



## UNIVERSITY OF CENTRAL FLORIDA

UCF Stands For Opportunity

# 2011-2012 Undergraduate Catalog

**University of Central Florida**  
4000 Central Florida Boulevard  
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<http://www.ucf.edu>  
407-823-2000

**UCF Rosen College of  
Hospitality Management**  
9907 Universal Boulevard  
Orlando, FL 32819  
<http://www.hospitality.ucf.edu>  
407-903-8000

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### UCF REGIONAL CAMPUSES

<http://regionalcampuses.ucf.edu>

#### **UCF Cocoa**

(In partnership with Brevard  
Community College)  
1519 Clearlake Road  
Building 3  
Cocoa, FL 32922  
321-433-7821

#### **UCF Daytona Beach**

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College)  
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Daytona Beach, FL 32114  
386-506-4021

#### **UCF Leesburg**

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Community College)  
9501 U.S. Highway 441  
Leesburg, FL 34788  
352-536-2113

#### **UCF Ocala**

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Florida)  
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Ocala, FL 34474  
352-854-2322, Ext. 1824

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#### **UCF Valencia Osceola**

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407-582-4190

#### **UCF Valencia West**

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### UNDERGRADUATE INFORMATION

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Orlando, FL, 32816-0111  
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# The UCF Creed

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

## **Integrity**

I will practice and defend academic and personal honesty.

## **Scholarship**

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

## **Community**

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

## **Creativity**

I will use my talents to enrich the human experience.

## **Excellence**

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



UNIVERSITY OF CENTRAL FLORIDA

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

## UCF Stands For Opportunity

# Mission Statement

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



Welcome to the University of Central Florida!

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

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

Take pride in your university. Our academic programs are setting the standard for the nation, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

Take pride in yourself. Make the UCF Creed an integral part of your value system. Conduct yourself on campus and in the community to bring distinction to you and to our university.

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

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

Cordially yours,

A handwritten signature in black ink that reads "John C. Hitt". The signature is written in a cursive style with a large, looping initial "J".

John C. Hitt  
President

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Vice Provost, Dean, College of Graduate Studies	Patricia J. Bishop
Vice Provost, Information Technologies and Resources	Joel L. Hartman
Interim Vice Provost, Dean, Office of Undergraduate Studies	Elliot Vittes
Interim Vice Provost, Regional Campuses	Joyce Dörner
Associate Provost, Associate General Counsel	Sheryl Andrews
Associate Vice Provost, Faculty Affairs	Lin Huff-Corzine
Associate Vice President, Budget and Personnel Administration	Lynn J. Gonzalez
Assistant Vice President, Internationalization	Consuelo E. Stebbins
Assistant Vice President and Director, Center for Distributed Learning	Thomas Cavanagh
Director, Course Development and Web Services	Barbara E. Truman

Interim Director, Instructional Resources	Donald Merritt
Director, Computer Services and Telecommunications	Robert Yancello
Director, Florida-Eastern European Linkage Institute and Florida-Canada Linkage Institute	Angel Cardec
Director, Research Initiative for Teaching Effectiveness	Charles D. Dziuban
Director, University Libraries	Barry B. Baker

### Office of the Vice President for Community Relations

Vice President for Community Relations	Helen Donegan
Associate Vice President, Metropolitan Center for Regional Studies	Diane Trees
Assistant Vice President, Presidential/Special Events	Glenna Oro
Assistant Vice President, Regional Outreach	Karen Jans
Assistant Vice President, Community Relations	Maritza Martinez
Director, Constituent Relations	Ana Petkov
Director, Diplomacy Program	Ambassador Harriet Elam-Thomas
Director, Global Perspectives	John Bersia

### Office of the Vice President for Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services	Maribeth Ehasz
Associate Vice President	Sharon L. Ekern
Associate Vice President	Patricia MacKown
Associate Vice President	DeLaine Priest
Associate Vice President	Kerry Welch
Assistant Vice President, Community Support	Belinda Boston
Assistant Vice President, Learning Support Services	Mark Gumble
Assistant Vice President, Advising and Career Services	Gloria Laureano
Assistant Vice President, Office of Budget & Personnel Support	David Pavlounis
Assistant Vice President, Regional Campuses Student Services	A. J. Range
Assistant Vice President, Off-Campus Student Services, Neighborhood Relations	Jimmy Watson
University Registrar	Brian Boyd
Executive Director, Career Services	Lynn Hansen
Executive Director, Housing and Residence Life	Christi Hartzler
Executive Director, Counseling Center and Behavioral Health	Stacey Pearson
Executive Director, First Year Experience	Joe Ritchie

### University of Central Florida Foundation, Incorporated

Vice President for Alumni Relations and Development and Chief Executive Officer	Robert J. Holmes, Jr.
Associate Vice President of Development and Chief Development Officer	Joyce Henckler
Associate Vice President and Chief Operations Officer	Ben McMahan
Associate Vice President for Administration and Legal Counsel	Margaret Jarrell-Cole
Associate Vice President for Alumni Relations and Executive Director of UCF Alumni Association	Thomas Messina
Associate Vice President for Finance and Chief Financial Officer	Rocky Yearwood
President Emeritus and Special Assistant to the UCF Foundation Chief Executive Officer	H. Trevor Colbourn

### Office of the Vice President for University Relations

Vice President for University Relations, Director of Governmental Relations, and Senior Counsel to the President	Daniel C. Holsenbeck
Associate Vice President for University Relations and Director of State and Local Governmental Affairs	Fred R. Kittinger, Jr.
Assistant Vice President and Director, Federal Relations	Gregory A. Schuckman
Director, Defense Transition Services	Alzo J. Reddick
Director, University Economic Development	Edward L. Schons

### Office of the Vice President for Strategy, Marketing, Communications and Admissions

Vice President for Strategy, Marketing, Communications and Admissions	Alfred G. Harms, Jr.
Associate Vice President, Strategic Planning	Doan T. Modianos
Associate Vice President, Undergraduate Admissions, Student Financial Assistance, and Student Outreach	Gordon D. Chavis, Jr.
Associate Vice President, University Marketing	Terrence K. Helms
Associate Vice President, Enrollment Services, Marketing & Outreach Regional Campuses	Ange Peterson
Assistant Vice President, News and Information	Grant J. Heston
Assistant Vice President, Administrative Services	Richard Payne
Assistant Vice President, Admissions, Regional Campuses	TBA
Executive Director, Student Financial Assistance	Mary H. McKinney
Assistant Vice President, Institutional Knowledge Management	Paige Borden
Director, Student Outreach Programs	Rhonda Hall
Director, Operational Excellence and Assessment Support	Patrice Lancey
Director, University Analysis and Planning Support	Sandra Archer



**Office of the Vice President for Administration and Finance**

Vice President for Administration and Finance and CFO... William F. Merck II  
 Associate Vice President, Facilities and Safety... Lee Kernek  
 Associate Vice President, Finance,  
 and Director, University Budget Office... Vanessa Fortier  
 Associate Vice President, University Support... Judith E. Monroe  
 Chief Human Resource Officer... Mark A. Roberts  
 Controller... Tracy Clark  
 Director, Business Services... Curt Sawyer  
 Interim Director, Environmental Health and Safety... John Jackson  
 Director, Facilities Planning... Barry Deemer  
 Director, Financial Services... John Pittman  
 Director, Landscape and Natural Resources... Patrick Bohlen  
 Director, Parking and Transportation Services... Kris Singh  
 Director, Physical Plant... Montel Watson  
 Director, Purchasing... Raymond Puskas  
 Director, Sustainability & Energy... David Norvell  
 Director, University Police... Richard Beary

**Office of the Vice President for Research & Commercialization**

Vice President for Research & Commercialization... M. J. Soileau  
 Associate Vice President for Research & Commercialization... Tom O'Neal  
 Assistant Vice President... Debra Reinhart  
 Assistant Vice President... Pallavoor N. Vaidyanathan  
 Director, Marketing/Communications... Barbara Abney

**Office of the Vice Provost and Dean of Graduate Studies**

Vice Provost and Dean, Graduate Studies... Patricia J. Bishop  
 Senior Associate Dean, Graduate Studies... Max Poole  
 Associate Dean, Financial Support... Michael Stern  
 Assistant Dean, Graduate Admissions/Registration,  
 Student Services... Tracy R. Jones  
 Director, Office of Graduate Financial Assistance  
 and Publications... Debra Winter

**Office of the Vice Provost for Regional Campuses Administration**

Interim Vice Provost, Regional Campuses Administration... Joyce Dornier  
 Associate Vice President, Administrative Affairs... David Laney  
 Associate Vice President, UCF Seminole... David J. Mealar  
 Associate Vice President, UCF Cocoa and Palm Bay... Denise Young  
 Assistant Vice President, UCF Daytona... Linda Bradley  
 Assistant Vice President, UCF South Lake, Ocala  
 and Leesburg... Cecelia H. Rivers  
 Interim Assistant Vice President, Academic Initiatives... Steve Holmes

**Office of the Vice Provost and Dean of Undergraduate Studies**

Vice Provost and Dean... TBA  
 Associate Dean, Academic Services... TBA  
 Director, Faculty Center for Teaching and Learning... Melody Bowdon  
 Director, McNair Scholars Program  
 and Research and Mentoring Program... Michael Aldarondo-Jeffries  
 Director, Office of Experiential Learning... Sheri Dressler  
 Director, Office of Interdisciplinary Studies... Michael Hampton  
 Director, Office of Pre-Professional Advising (OPPA)... Bernard Mackey  
 Director, Undergraduate Research... Kimberly Schneider

**Colleges, Schools, and Departments**

**Burnett Honors College**

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

**College of Arts and Humanities**

Dean... José B. Fernandez  
 Associate Dean... Lyman Brodie  
 Associate Dean... Lynn Hepner  
 Assistant Dean  
 and Interim Director, School of Visual Arts and Design... Paul Lartonoix  
 Assistant Dean... Nancy Stanlick  
 Director, CAH Student Advising (CAHSA)... Delia Garcia  
 Chair, English... Patrick Murphy  
 Interim Chair, Film... Steve Schlow  
 Chair, History... Rosalind Beiler  
 Chair, Modern Languages and Literatures... Paul Giordano  
 Chair, Music, School of Performing Arts... Jeffrey Moore  
 Chair, Philosophy... Bruce Janz  
 Chair, Theatre, School of Performing Arts... Christopher Niess  
 Chair, Writing and Rhetoric... David L. Wallace

**College of Business Administration**

Interim Dean... Foard F. Jones  
 Associate Dean... E. Taylor Ellis  
 Interim Associate Dean... TBA

Director, Kenneth G. Dixon School of Accounting... Sean Robb  
 Director, Undergraduate Student Services... Randall Brumfield  
 Chair, Economics... TBA  
 Chair, Finance... Anthony K. Byrd  
 Chair, Management... Steven Goodman  
 Chair, Marketing... Ronald E. Michaels

**College of Education**

Dean... Sandra L. Robinson  
 Executive Associate Dean... Jennifer C. Platt  
 Associate Dean... Rex Culp  
 Co-Director, School of Teaching, Learning and Leadership... Karen L. Biraimah  
 Co-Director, School of Teaching, Learning and Leadership... Michael Hynes  
 Director, Clinical Experiences... Bryan Zugelder  
 Director, Graduate Services... Andrea Withington  
 Director, Undergraduate Services  
 and Academic Advising Center... Sandra L. Bulger  
 Chair, Child, Family and Community Sciences... Anne M. Culp  
 Chair, Educational and Human Sciences... Grant Hayes

**College of Engineering and Computer Science**

Dean... Marwan Simaan  
 Associate Dean, Academic Affairs... Charles Reilly  
 Associate Dean, Research and Administration... Louis Chow  
 Assistant Dean, Distributed and Distance Learning... Alfred Ducharme  
 Director, Academic Affairs... Melissa A. Dagley  
 Director, College Honors Programs... Donald Malocha  
 Director, Educational Partnerships... Bruce Furino  
 Chair, Civil, Environmental and Construction Engineering... Lakshmi N. Reddi  
 Interim Chair, Electrical Engineering and Computer Science... Gary T. Leavens  
 Interim Chair, Electrical and Computer Engineering Division... Zhihua Qu  
 Chair, Industrial Engineering and Management Systems... Waldemar Karwowski  
 Chair, Mechanical, Materials, and Aerospace Engineering... Suhada Jayasuriya  
 Chair, Air Force ROTC (Aerospace Studies)... Col. Michael J. Chandler  
 Chair, Army ROTC (Military Science)... LTC Sean Morgan

**College of Health and Public Affairs**

Dean... Michael L. Frumkin  
 Associate Dean, Academic Affairs and Technology... Ronnie Korosec  
 Associate Dean, Research... Thomas Wan  
 Associate Dean, Student/Personnel Affairs... Melvin Rogers  
 Associate Dean... Pamela E. Kirby  
 Director, School of Social Work... John Ronnau  
 Chair, Communication Sciences and Disorders... Thomas Mullin  
 Chair, Criminal Justice... Robert Langworthy  
 Chair, Health Management and Informatics... TBA  
 Chair, Health Professions... Kristen Schellhase  
 Chair, Legal Studies... James Beckman  
 Chair, Public Administration... Mary Ann Feldheim

**College of Medicine**

Vice-President for Medical Affairs and Dean... Deborah C. German  
 Associate Dean, Faculty and Academic Affairs... Richard Pepler  
 Assistant Dean, Undergraduate Medical Education... Lori Boardman  
 Assistant Dean, Undergraduate Medical Education... Jonathan Kibble  
 Director, Burnett School of Biomedical Sciences... Pappachan Kolattukudy  
 Director, Pre-Health Professions Advisement Office... Genaro Lopez  
 Associate Director, Academic Affairs (Burnett School)... Roseann White  
 Chair, Clinical Sciences... Ralph Caruana  
 Chair, Medical Education... David Balkwill

**College of Nursing**

Dean... Jean Leuner  
 Associate Dean, Undergraduate Affairs... Linda Hennig  
 Associate Dean, Graduate Affairs... Susan Chase

**College of Optics and Photonics**

Dean and Director... Bahaa Saleh

**College of Sciences**

Dean... TBA  
 Associate Dean... Michael Johnson  
 Associate Dean... Jack M. McGuire  
 Associate Dean... Haven C. Sweet  
 Assistant Dean... Teresa Dorman  
 Assistant Dean... Cynthia Young  
 Director, Nicholson School of Communication... Robert C. Chandler  
 Director, Undergraduate Services (Academic Services)... Lee Anne Kirkpatrick  
 Chair, Anthropology... Arlen F. Chase  
 Chair, Biology... C. Ross Hinkle  
 Chair, Chemistry... Kevin D. Belfield  
 Chair, Mathematics... Piotr Mikusinski  
 Chair, Physics... Talat Rahman  
 Chair, Political Science... Kerstin Hamann  
 Chair, Psychology... TBA  
 Chair, Sociology... TBA  
 Chair, Statistics... David M. Nickerson

**Rosen College of Hospitality Management**

Dean... Abraham Pizam  
 Associate Dean... Tadayuki Hara  
 Associate Dean... Youcheng Wang

# SUMMER 2011 ACADEMIC CALENDAR

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

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.

<sup>1</sup> \$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.

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

<sup>3</sup> Incomplete grades **must** be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to "F".

### University Holidays and Special Events

Memorial Day Holiday . . . . .	May 30, 2011
Independence Day Holiday . . . . .	July 4, 2011



# 2011 - 2012 FALL/SPRING ACADEMIC CALENDAR

	Fall 2011	Spring 2012
Application Deadline for Undergraduate International students	March 1	September 1, 2011
Application Deadline for All New Undergraduate Freshmen Applicants	May 1	November 1, 2011
Application Deadline for New Undergraduate Transfers	July 1	November 1, 2011
Application Deadline for Readmission	July 1	November 1, 2011
Application Deadline for Graduate Programs Without Deadlines	July 15	December 1, 2011
Registration <sup>1,2,4</sup> on myUCF	March 21 - August 21	Mar. 21, 2011 - Jan. 8 and Oct. 24, 2011 - Jan. 8
Graduation Application (Online Intent to Graduate Form for Undergraduates) on myUCF	June 27 - August 5	October 17, 2011 - Dec. 3, 2011
Housing Payment Due	August 5	December 9, 2011
Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)	August 19	January 6
Registration for Senior Citizen Audits (begins 3:30 p.m.)	August 19	January 6
On-campus Housing opens	August 19	January 7
Classes Begin	August 22	January 9
Late Registration <sup>1,2</sup> on myUCF (ends at 11:59 p.m. on last day)	August 22-26	January 9-13
Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)	August 25	January 12
Last Day for Full Refund	August 25	January 12
Add Deadline on myUCF (ends at 11:59 p.m.)	August 26	January 13
Payment deadline <sup>2</sup>	September 2	January 20
Academic Advising Weeks	October 10-21	October 10-21, 2011
Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)	October 14	March 2
Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)	October 14	March 2
Withdrawal Deadline (ends at 11:59 p.m.)	October 14	March 2
VA Deferral Payment Deadline <sup>2</sup>	November 18	March 30
Classes End; Last Day to Remove Incomplete <sup>3</sup>	December 3	April 23
Final Examination Period	December 5-10	April 24-30
On-campus Housing closes (noon)	December 11	May 1
Grades Due on myUCF (noon)	December 14	May 3
Degree Conferral Date	December 15	May 4
Commencement	December 15-16	May 4-5
Grades Available on myUCF (begins 9:00 a.m.)	December 16	May 5

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

<sup>1</sup> \$100 Late Registration Fee applies to students who have not enrolled by the close of Registration.

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

<sup>3</sup> Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to "F".

<sup>4</sup> Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher (and junior/senior level students who have completed all sections of the CLAS) will receive their appointment dates and times for Summer 2011, Fall 2011 and Spring 2012 beginning February 28, 2011. Registration for these students will begin on or after March 21, 2011. All other eligible students will receive their registration times beginning October 10, 2011 and Spring registration for these students will begin on or after October 24, 2011.

## University Holidays and Special Events

Labor Day Holiday . . . . .	September 5, 2011
Homecoming Week (classes still held) . . . . .	October 22-30, 2011
Homecoming Game - vs. Memphis. . . . .	October 29, 2011
Veterans Day Holiday . . . . .	November 11, 2011
Thanksgiving Holidays . . . . .	November 24-26, 2011
Martin Luther King Jr. Holiday . . . . .	January 16, 2012
Spring Break (campus offices still open). . . . .	March 5-10, 2012
Founder's Day Honors Convocation (classes still held) . . . . .	April 4, 2012

# UNIVERSITY NOTICES

## Undergraduate Academic Policy Statement

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

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

## Non-Discrimination Policy (including sexual harassment)

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

Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; or,
3. Such conduct has the purpose or effect of substantially interfering with an individual's work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

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

## Drug-Free Workplace/Drug-Free Schools Policy Statement

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

## Campus Alcoholic Beverages Policy

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

## Guidelines

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

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

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

Student organizations may develop more stringent regulations regarding alcohol use.

## Locations

The sale of alcoholic beverages to individuals of legal age will be 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; date, beginning and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/underage; contained area where alcohol consumption is permitted; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

## Approval Procedures: Non-Student Groups

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

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

## Academic Behavior Standards

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

**Note:** A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of "F." Additionally, the instructor may request disciplinary action through the Office of Student Rights and Responsibilities as outlined in *The Golden Rule Student Handbook*.

## Student Use of Technology

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

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

The University of Central Florida has developed one of the nation's most advanced campus technology environments, and all UCF students are provided free Knight's E-mail accounts and Internet access.

Students wishing to acquire a personal computer are strongly advised to consider a laptop equipped with a wireless network adaptor. Recommended configurations can be found on the University's Website at <http://cstore.ucf.edu/graphics/ComputerRecommendations.pdf>.

## Undeclared Policy

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

## Student Responsibility for University Communication

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

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

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

## Complaint Policy

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

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

most cases. Specific procedures included are in specific sections of the Catalog and *The Golden Rule*.

## Accreditation

The University of Central Florida, a member institution of the State University System, formerly 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	Accrediting Body
<b>Arts and Humanities</b> Music, Music Education	National Association of Schools of Music (NASM)
<b>Business Administration</b> (all disciplines)	The Association to Advance Collegiate Schools of Business (AACSB International)
<b>Education</b> (all disciplines)	State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)
<b>Engineering and Computer Science</b> Aerospace, Civil, Computer, Electrical, Environmental, Industrial, Mechanical Eng	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, Telephone: (410) 347-7700
<b>Health and Public Affairs</b> Athletic Training	Commission on Accreditation of Athletic Training Education (CAATE)
Cardiopulmonary Science	Committee on Accreditation for Respiratory Care (CoARC)
Health Information Management	Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)
Radiologic Sciences	Joint Review Committee on Education in Radiologic Technology (JRCERT)
Social Work	Council on Social Work Education (CSWE)
<b>College of Medicine - Burnett School of Biomedical Sciences</b> Medical Laboratory Sciences	National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
<b>Nursing</b> Nursing	Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing
<b>Sciences</b> Chemistry	American Chemical Society (ACS) Committee On Professional Training

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

# UNIVERSITY OF CENTRAL FLORIDA/CAMPUSES

## The University

407-823-2000

<http://www.ucf.edu>

**UCF Stands For Opportunity:** The University of Central Florida is a major metropolitan research university located in one of the most popular cities in the world. A growing and dynamic university, UCF opened the College of Medicine in 2009, and it is the centerpiece of the burgeoning medical city at Lake Nona. In 2010, UCF opened the School of Performing Arts in the new on-campus Performing Arts Center, and in 2011, UCF became one of 40 public universities earning the Carnegie Foundation's highest designation in two categories: community engagement and research activity.

The University of Central Florida is comprised of twelve colleges supporting more than 56,000 students that attend classes on UCF's main Orlando campus and its 10 regional campuses.

UCF offers 216 degree programs and is an academic and research leader in numerous fields, such as optics, modeling and simulation, engineering and computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.

UCF annually ranks in the top 50 universities nationwide for the number of National Merit Scholars in its freshman class with the vast majority enrolled in the Burnett Honors College.

The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical laboratory and physical therapy services.

The Student Union has computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. Students also enjoy a 149,000-square-foot Recreation and Wellness Center complete with a three-story climbing wall, an indoor track and fitness equipment.

The main campus manages 800 acres of natural ecosystems resulting in habitats for more than 45 unique animal species.

Housing includes on-campus residence halls and affiliated apartments for almost 8,000 students. And the 10,000-seat UCF Arena and a 45,000-seat on-campus football stadium were opened in 2007.

UCF promotes a diverse and inclusive environment. Students come from all 50 states and over 140 countries. Study abroad programs allow students to study and conduct research with 98 institutions in 36 countries. Students at UCF have been recognized throughout the world and include recipients of Rhodes, Mellon and Goldwater scholarships.

In 2009-10, UCF professors received \$133 million in research funding and have accrued over \$1.0 billion in research-related funding since 2000. Distinctive programs extend learning beyond the classroom and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research positions.

## Center for Distributed Learning

*Assistant Vice President:* Thomas B. Cavanagh

UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910

<http://online.ucf.edu/>

The Center for Distributed Learning provides opportunities for students to enroll in credit courses and selected degree and certificate programs delivered over the Internet through Online@UCF. The instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.

Online courses are identified in the Class Schedule Search available at <https://my.ucf.edu/>. In the "Additional Search Criteria" section use the drop-down list next to "Mode of Instruction" to search for the values described below.

Online instruction modes are:

**WORLD WIDE WEB (W):** These are courses conducted via web-based instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.

**MIXED-MODE/REDUCED SEAT TIME (M):** These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some classroom meetings.

**VIDEO STREAMING (V):** These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.

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

Complete listings of all fully and partially web-based classes from the class schedule are also excerpted and available on the Learning Online website at <http://learn.ucf.edu>. Students who plan to enroll in any course with a web component must have access to the Internet, a Web browser such as Internet Explorer or Firefox, basic web-browsing knowledge, ability to use e-mail, and basic computer skills such as word processing. For additional information, refer to the Learning Online website (<http://learn.ucf.edu>).

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

## Regional Campuses

<http://www.regionalcampuses.ucf.edu>

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the multiple non-residential locations partner with six Florida community/state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs include 24 Bachelor's programs, 18 minors, 12 master's degrees, and 6 graduate certificates with each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disability services, veteran's affairs, "smart classrooms," libraries, computer labs, and more.

UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance and Advising professionals are located at the following campuses: UCF Cocoa, UCF Daytona Beach, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Osceola, and UCF Ocala. Times and dates for all courses are listed online prior to registration each term and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and Brevard Community College, Lake Sumter Community College, Seminole State College and Valencia Community College. This agreement provides entry for AA and AS graduates to UCF as an enhancement to the FL state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when AA or AS degrees are awarded.

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

## Administration

### UCF Regional Campuses Administration

12201 Research Parkway, Suite 101  
Orlando, 32826; 407-823-4547

*Interim Vice Provost, UCF Regional Campuses* . . . . . Joyce Dörner  
*Senior Administrative Assistant* . . . . . Dania Suarez  
*Associate Vice President, Executive Director,*  
*Academic Initiatives* . . . . . Stephen Holmes  
*Assistant Director, Academic Initiatives* . . . . . Cyndi Thomas  
*Facilities Scheduler* . . . . . Denise Devlin  
*Coordinator, Statistical Research* . . . . . Jeanne Walker  
*Assistant Vice President, Student Services* . . . . . A.J. Range  
*Office Assistant* . . . . . Kenya Cabrera  
*Associate Vice President, Regional Campus Transfer*  
*Admission & Enrollment/Marketing* . . . . . Angé Peterson

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

**Campuses**

**UCF Valencia West, UCF South Orlando, UCF Valencia Osceola**  
 Director, Academic Support Services . . . . . Edgar Martinez  
 Administrative Assistant . . . . . Jacqueline Diaz  
 Assistant Director, Enrollment Services . . . . . Chris Fletcher  
 Coordinator, Enrollment Services . . . . . Shellie Thomas-Small  
 Coordinator, Academic Advising Services I . . . . . Carol Black  
 Coordinator, Academic Advising Services I . . . . . Chris Miller  
 Coordinator, Academic Advising Services I . . . . . Celena Lue  
 Coordinator, Academic Advising Services II . . . . . Lisa Cruz  
 Coordinator, Academic Advising Services II . . . . . Melissa Hanbery  
 Coordinator, Academic Advising Services II . . . . . David Berland

**UCF Daytona**

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

**UCF Sanford/Lake Mary, UCF Altamonte**

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

**UCF Cocoa, UCF Palm Bay**

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

**UCF South Lake, UCF Ocala, UCF Leesburg**

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

**UCF Cocoa**

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

**Undergraduate Degree Programs**

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

**Undergraduate Minors**

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

**Graduate Degree Programs**

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

**UCF Daytona Beach**

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

**Undergraduate Degree Programs**

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

# University of Central Florida/Campuses

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

## Undergraduate Minors

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

## Graduate Degree Programs

Clinical Psychology (M.A.) *College of Sciences*  
Criminal Justice (M.S.) *College of Health and Public Affairs*  
Health Sciences: Health Services Administration (M.S.) *College of Health and Public Affairs*  
Social Work (M.S.W.) *College of Health and Public Affairs*

## UCF Leesburg

352-536-2113

(In partnership with Lake Sumter Community College)

### Undergraduate Degree Programs

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

### Undergraduate Minors

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

## UCF Ocala

352-854-2322, ext. 1818

(In partnership with Central Florida State College)

### Undergraduate Degree Programs

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

### Undergraduate Minors

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

## UCF Osceola

407-856-6585

(In partnership with Valencia State College)

### Undergraduate Degree Programs

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

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

### Undergraduate Minors

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

## UCF Palm Bay

321-433-7995

(In partnership with Brevard Community College)

### Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*  
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration  
Business Administration (B.A.) *College of Business Administration*  
Early Childhood Education (B.S.) *College of Education*  
Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies*  
Interpersonal/Organizational Communication (B.A.) *College of Sciences*  
Psychology (B.S.) *College of Sciences*  
Social Science Education (B.S.) *College of Education*

### Undergraduate Minors

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

## UCF Sanford/Lake Mary

407-328-2471

(In partnership with Seminole State College)

### Undergraduate Degree Programs

Applied Science (B.A.S.) *Office of Undergraduate Studies*  
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Information Technology, Legal Studies, Supervision and Administration  
Business Administration (B.A.) *College of Business Administration*  
Criminal Justice (B.A., B.S.) *College of Health & Public Affairs*  
Elementary Education (B.S.) *College of Education*  
Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies*  
Legal Studies (B.A., B.S.) *College of Health and Public Affairs*  
Nursing (R.N. to B.S.N.) *College of Nursing* (concurrent with SCC A.S.N.)  
Psychology (B.S.) *College of Sciences*  
Social Science Education (B.S.) *College of Education*  
Social Sciences (B.S.) *College of Sciences*

### Undergraduate Minors

Business (For non-business majors only)  
Criminal Justice  
English - Writing  
Health Services Administration  
History  
Interpersonal Communication  
Legal Studies  
Organizational Communication  
Political Science  
Psychology  
Social Sciences - Interdisciplinary  
Sociology



**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, Early Childhood Education, Health Services Administration, Information Technology, and Supervision and Administration

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

Early Childhood Education (B.S.) *College of Education*

Elementary Education (B.S.) *College of Education*

Interdisciplinary Studies (B.A.) *Office of Interdisciplinary Studies*

Psychology (B.S.) *College of Sciences*

Sports and Fitness (B.S.) *College of Education*

Social Science Education (B.S.) *College of Education*

**Undergraduate Minors**

Business (For non-business majors only)

Criminal Justice

Early Childhood Education

English - Writing

Health Services Administration

History

Legal Studies

Political Science

Psychology

Social Sciences - Interdisciplinary

Sociology

**UCF South Orlando**

407-856-6585

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 West**

407-582-5500

(In partnership with Valencia State College)

**Undergraduate Degree Programs**

Applied Science (B.A.S.) *Office of Undergraduate Studies*

Tracks: Criminal Justice, Health Services Administration, Information Technology, and Supervision and Administration

Architecture (B.D.) *College of Arts and Humanities*

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

Electrical Engineering (3rd/4th year) (B.S.E.E.) *College of Engineering and Computer Science*

Elementary Education (B.S.) *College of Education*

Interdisciplinary Studies (B.A., B.S.) *Office of Interdisciplinary Studies* (see an advisor)

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

Psychology (B.S.) *College of Sciences*

**Graduate Degree Programs**

Business Administration (Cohort, Professional M.B.A. track)

**Undergraduate Minors**

Business (for non-business majors)

Criminal Justice

English-Writing

Health Services Administration

History

Legal Studies

Political Science

Psychology

Social Sciences - Interdisciplinary

Sociology

General Regional Campus information:

Website: <http://www.regionalcampuses.ucf.edu>

Programs are offered via multiple delivery methods: web, video-streaming, face-to-face, and ITV. 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-oriented industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park residents.

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

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

**Endowed Chairs**

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

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

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

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

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

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

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

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

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

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

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

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

## University of Central Florida/Campuses

**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.

**Chatlos Foundation Endowed Chair in Nursing:** Created in 1996 to support a key faculty member of distinguished reputation who will engage in teaching, research, and scholarly activities relating to nursing. *Chair:* Karen Aroian.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## University Ombuds Office

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

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

## Office of Undergraduate Studies

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

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

### Academic Services

*Associate Dean:* TBA  
MH 210; 407-823-2691  
<http://www.academicsservices.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), a unit of the College of Graduate Studies, provides immigration advising and assistance to the international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing 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, Orlando 32826 (office 407-823-2425; 24/7 HOTLINE 407-823-1200) provides services for persons impacted by crime, violence or abuse on or off the UCF campus. Services include 1) advocacy, support, and practical assistance; 2) options, information, and referrals; and 3) prevention awareness educational programming. Additional information can be viewed at <http://www.victimservices.ucf.edu>.

The University Police Department publishes an annual brochure entitled "Annual Security and Fire Safety Guide." The Annual Security and Fire Safety Guide presents an overview of all police services and offers crime prevention and fire safety tips and campus crime and residential fire statistics in compliance with the Federal Crime Awareness and Security Act of 1990. A copy of the Annual Security and Fire Guide is available at the Undergraduate Admissions Office, Human Resources Office, John T. Washington Center, Welcome

Center, Housing Office and the University Police Department. For further information visit the University Police website at <http://www.police.ucf.edu>.

## Information Technologies and Resources

*Vice Provost and CIO:* Joel L. Hartman  
MH 338K; 407-823-6778  
<http://www.itr.ucf.edu>

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

### University Libraries

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

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

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

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

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

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.3 million volumes, 30,000 journal subscriptions, 3.1 million microforms and 50,000 media titles. The Libraries' rapidly growing electronic resources include 363 databases, 593,000 e-books, and 27,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the website: <http://library.ucf.edu> or by calling 407-823-2756. Over 320 computer workstations are available for public use. Forty wireless laptops can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries' electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

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

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

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

## University of Central Florida/Campuses

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 Web sites customized for Regional Campus needs are the Services for Distance Learners page <http://library.ucf.edu/Services/DistanceServices.asp> and the Regional Campus Libraries page <http://library.ucf.edu/BranchCampuses/Locations/>. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

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

### Office of Instructional Resources

*Interim Director:* Donald Merritt  
CL1 203; 407-823-2571, Fax 407-823-2109  
<http://www.oir.ucf.edu>

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

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

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

Although OIR installs and repairs classroom equipment, we do not schedule classroom spaces. If you need to reserve a room, please

contact Classroom Reservations in the Registrar's office. Faculty should speak with their College's Scheduler to reserve a classroom or to change a class's meeting space.

### Intercollegiate Athletics

*Director:* Keith Tribble  
WD2; 407-823-2261  
<http://www.UCFAthletics.com>

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

### Graduation Rate Disclosure

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

### UCF Arena at Knights Plaza

<http://www.ucfarena.com>

The UCF Arena is the largest live entertainment and sports facility in East Orlando. With seating for more than 10,000 fans, it is home to UCF athletic events, university graduation ceremonies and a diverse lineup of world famous entertainers, beloved family shows and festivities 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 in the John T. Washington Center, is the textbook and course material destination. It offers a complete line of UCF clothing, logo gift items, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit <http://www.ucf.bncollege.com> or call 407-823-2665.

#### Knights Plaza Location

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

### Parking and Transportation Services

*Director:* Kris Singh  
Visitor and Parking Center; 407-823-1371  
E-mail: [Krishna.singh@mail.ucf.edu](mailto:Krishna.singh@mail.ucf.edu)  
<http://www.Parking.ucf.edu>

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

UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.

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

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

## Orlando Shakespeare Theater in Partnership with UCF

*Artistic Director:* Jim Helsing  
812 E. Rollins St., Suite 100, Orlando FL 32803  
E-mail: [jimh@orlandoshakes.org](mailto:jimh@orlandoshakes.org)  
<http://www.orlandoshakes.org>

The Orlando Shakespeare Theater in Partnership with UCF, is Central Florida's professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriett Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, and the K-12 "Shakespeare Alive" and Shakesperience" programs. Performances are presented in Margeson, Goldman and Mandell Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured in national publications such as The Wall Street Journal, Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. The third year of UCF's Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. \$10 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700. For internship information and other questions, contact Artistic Director Jim Helsing at [jimh@orlandoshakes.org](mailto:jimh@orlandoshakes.org).

## UCF Alumni Association

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

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

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

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

## UCF Foundation, Inc.

*Associate Director of Donor Relations:* Sean Helton  
PVL 250; 407-882-1220  
E-mail: [donorrelations@ucf.edu](mailto: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.



# SPECIAL ACADEMIC PROGRAMS AND RESEARCH INSTITUTES

## International Studies

Director: Angel Cardec  
MH 150, P.O. Box 163105, Orlando, FL 32816-3105;  
407-882-2300, Fax: 407-882-0240  
<http://www.international.ucf.edu/OIS>

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

### Study Abroad Programs

<http://www.studyabroad.ucf.edu>

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

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

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

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

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

## Experiential Learning (Office of), Undergraduate Studies

Director: Sheri Dressler  
CSEL 300; 407-823-2667  
E-mail: [OEL@ucf.edu](mailto:OEL@ucf.edu)  
<http://www.explearning.ucf.edu>

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

OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep

curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and outcome data to colleges for grant proposals and assessment. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

Through OEL, both undergraduate and graduate students in all colleges have access to a diversity of experiences through meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally. Experiential Learning faculty members advise students, instruct co-op and internship courses and support

college faculty in the development and instruction of internship and service-learning courses. The department also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need, supervises the ArtsBridge Program in which Art, Music and Theatre majors teach course content through the arts in local schools, facilitates curricular practical training (CPT) for international students, and supports local, national and international internship programs and service-learning projects. All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of their entering graduate school or obtaining major-related employment upon graduation.

- Internships are available to students on all campuses in all colleges. They are courses that provide one-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur during summers or toward the end of a student's program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments. Contact information for department internship coordinators is on the OEL web site.
- Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple terms. They are either part-time around class schedules (parallel) or full-time alternating terms (alternating), structured for learning with reflection, supervi-



sion and evaluation, and available for non-credit or credit when it will count in a student's academic program. The Co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

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

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

### National Consortium for Academics and Sports (NCAS)

*Director:* Suzi Katz-Slowinski  
BA2 223; 407-823-3555  
<http://www.ncasports.org>

The mission of the Southeast Regional Office of the National Consortium for Academics and Sports (NCAS) at the University of Central Florida is to help create a better society by focusing on educational attainment and using the power and appeal of sport to positively affect social change.

The NCAS reaches this goal in the Central Florida community by partnering with the DeVos Sport Business Graduate Program to provide ongoing outreach 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; 407-882-0260, Fax: 407-882-0244  
<http://www.ce.ucf.edu>

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

### Off-Campus College Credit Programs

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

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

## Institutes and Centers for Research

### Center for Economic Education

*Director:* Robert L. Pennington  
BA2 303E; 407-823-2640  
E-mail: [rpennington@bus.ucf.edu](mailto:rpennington@bus.ucf.edu)

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

### Dick Pope, Sr. Institute for Tourism Studies

*Director:* Abraham Pizam  
9907 Universal Blvd., Suite 231-A Orlando, FL 32819;  
407-903-8010  
*Associate Director:* Robertico Croes  
9907 Universal Blvd., Suite 219-C, Orlando, FL 32819;  
407-903-8028  
E-mail: [DPI@mail.ucf.edu](mailto:DPI@mail.ucf.edu)  
[http://www.hospitality.ucf.edu/dick\\_pope.html](http://www.hospitality.ucf.edu/dick_pope.html)

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

### Executive Development Center

*Academic Director:* Ron Michaels  
*Senior Associate Director:* Jaime Patterson  
407-235-3901  
E-mail: [edc@bus.ucf.edu](mailto:edc@bus.ucf.edu)

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

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

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

- Executive MBA Program
- Professional MBA Program
- Professional Masters in Management
- Professional Masters in Real Estate
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

The UCF Executive Development Center has a strong commitment to the business community. Both small and large organizations find the programs to be contemporary, challenging, and effective.

## Special Academic Programs and Research Institutes

### Florida-Canada Linkage Institute

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

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and 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  
407-8-23-3647, Fax: 407-882-0240  
E-mail: eeli@mail.ucf.edu

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

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

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located both at the Space Center and on the UCF campus. FSI's programs

are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station I. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

### Institute for Simulation and Training (IST)

Director: Randall Shumaker  
Partnership II, 3100 Technology Pkwy, Orlando, FL 32826-0544;  
407-882-1300  
E-mail: shumaker@ist.ucf.edu  
<http://www.ist.ucf.edu>

The Institute for Simulation and Training (IST) was established to conduct research and develop technology that advances the state of the art in 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 model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training.

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

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

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

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

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



## Special Academic Programs and Research Institutes

enroll in modeling and simulation graduate programs to continue their advanced education and hone their research skills.

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

### Institute of Statistics and Data Mining

*Director:* David M. Nickerson  
CC2 206; 407-823-5528  
E-mail: nickersn@mail.ucf.edu

The Institute of Statistics and Data Mining provides statistical consulting support to graduate students, staff, and faculty members in all stages of their research projects. The Institute's services include, but are not limited to, design of experiments and surveys, determination of sample sizes, formulation of hypotheses, selection of appropriate analysis using a variety of software packages, interpretation and evaluation of statistical results, preparation of statistical reports, and writing statistical methods and data analyses sections of research grant proposals as well as data management through the data mining lab. The Institute's faculty members are available to work as co-investigators or statistical consultants on clients' grant proposals. The Institute also provides statistical support to various government agencies and private organizations. For a brief description of consulting activities of the Institute and research expertise of faculty members, please visit <http://statistics.cos.ucf.edu/>. The consulting service is available to faculty members working on funded projects for a modest fee. Professor David M. Nickerson is the Director of the Institute. However, other faculty members from the Department of Statistics are available for 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 specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at <http://see.orau.org>, or by calling either of the contacts above.

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

### Small Business Development Center (SBDC)

*Regional Director:* Eunice Choi  
Disney Entrepreneur Center, 315 E. Robinson St., Suite 100,  
Orlando FL 32801; 407-420-4850  
E-mail: echoi@bus.ucf.edu  
<http://www.bus.ucf.edu/sbdc>

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

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

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



# DIVISION OF STRATEGY, MARKETING, COMMUNICATIONS, AND ADMISSIONS

## Office of the Vice President for Strategy, Marketing, Communications, and Admissions (SMCA)

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

### Overview

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

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

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

### Enterprise Decision Support (EDS)

*Director:* Linda Sullivan  
Research Pavilion, 12424  
Research Parkway, Suite 215,  
Orlando 32826; 407-823-5061  
E-mail: [lindas@mail.ucf.edu](mailto:lindas@mail.ucf.edu)  
<http://www.iroffice.ucf.edu>

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

### Institutional Knowledge Management (IKM)

*Assistant Vice President and University Data Administrator:* M. Paige Borden  
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando  
32826; 407-823-5061  
<http://www.iroffice.ucf.edu>

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

### Institutional Research (IR)

*Associate Director:* Patricia Ramsey  
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando  
32826; 407-823-5061  
E-mail: [iroffice@mail.ucf.edu](mailto:iroffice@mail.ucf.edu)  
<http://www.iroffice.ucf.edu>

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

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

### Operational Excellence and Assessment Support (OEAS)

*Director:* Patrice Lancey  
Research Pavilion, 12424 Research  
Parkway, Suite 225, Orlando 32826;  
407-882-0275  
<http://www.oeas.ucf.edu>

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

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

### News and Information

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

<http://www.news.ucf.edu> and <http://www.twitter.com/ucfnewsroom>

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

### Regional Campuses Enrollment Services, Marketing and Outreach

*Associate Vice President:* Angé Peterson  
University Towers, 12201 Research Parkway, Orlando 32826;  
407-823-4547  
<http://regionalcampuses.ucf.edu>

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



## Division of Strategy, Marketing, Communications, and Admissions

### Student Financial Assistance

*Executive Director:* Mary H. McKinney  
MH 120; 407-823-2827  
<http://finaid.ucf.edu>

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

### Student Outreach Programs

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

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

1. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the skills and likelihood of college success of participating students in grades 6-12
2. The UCF Achievers Program, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for participating students in grades 6-12.

### Television Services – UCF TV

*Assistant Vice President:* Grant J. Heston  
Orlando Tech Center, 12443 Research Parkway, Suite 301, Orlando 32826; 407-823-5988  
<http://www.ucf.tv>

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

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

### Undergraduate Admissions

*Associate Vice President:* Gordon D. Chavis, Jr.  
Progress Energy University Welcome Center; 407-823-3000  
E-mail: [admission@mail.ucf.edu](mailto:admission@mail.ucf.edu)  
<http://www.admissions.ucf.edu/>

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

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

### University Analysis and Planning Support

*Director:* Sandra Archer  
Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-882-0285  
<http://www.uaps.ucf.edu>

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

### University Marketing

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

UCF Marketing helps UCF clients reach their goals. UCF Marketing works alongside colleges and university-wide units to build important, brand-building marketing collateral. UCF Marketing also increases the university's visibility and brand by distributing key UCF messages across multiple platforms to ensure the UCF story is told in a professional, engaging and relevant way to targeted audiences.



# UNDERGRADUATE ADMISSIONS



## Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.  
Progress Energy University Welcome Center; 407-823-3000  
E-mail: [admission@ucf.edu](mailto:admission@ucf.edu)  
<http://www.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 SUS transient students to the Orlando campus and all regional campus sites. The office's primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

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

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

## Campus Visit Experience

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

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

## Application for Admission

All interested applicants should complete the University of Central Florida "Undergraduate Admissions Application" online at <http://www.admissions.ucf.edu> and submit the \$30 (in U.S. Currency), non-refundable application fee. Students should apply **several** months in advance of an anticipated start date. Questions concerning admission requirements and applications can be forwarded to [admission@ucf.edu](mailto:admission@ucf.edu).

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority application deadlines are May 1 for the Fall semester (July 1 for Transfer students),

November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at <http://www.housing.ucf.edu>. Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed by date of the receipt of the housing application. **The University encourages applications from qualified persons of both sexes, all ages, and from all cultural, 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 exceptions policy.

Applicants must submit official transcripts from each educational institution attended to the Office of Undergraduate Admissions. Applicants must likewise submit official score reports for credit earned from each appropriate testing agency (e.g. AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting 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.

**Reactivation**

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

**Limited Access Programs**

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

**Orientation**

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

**Admission Categories**

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

- A. Freshman (First-Time-In-College: FTIC)
- B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)

- C. Transfer\*
- D. Second Bachelor's Degree
- E. Transient (one term enrollment only, not from a Florida public university)\*\*
- F. Non-Degree Seeking (not including students who have already earned a bachelor degree)\*\*\*
- G. Limited Non-Degree Seeking\*\*\*\*
- H. Special Non-Degree Seeking (includes students participating in specific non-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 university should follow the procedure for SUS Transient located online at [http://www.registrar.ucf.edu/forms/transient\\_sus/](http://www.registrar.ucf.edu/forms/transient_sus/).

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

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

**Freshman Applicants**

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

**High School Diploma**

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

**Entrance Examination Scores**

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

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

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

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
<b>Total Units</b>	<b>18</b>

# Undergraduate Admissions

## Applicant Eligibility

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

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

\*No minimum score required.

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

- 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 applications to the University. Students should apply online at <http://www.admissions.ucf.edu> and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA)

for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades effective Fall 2001, but only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public community college or Florida public state college. Applicants must have a current minimum GPA of 2.0, and must have a cumulative minimum GPA of 2.0 and be in good standing as a degree seeking student at the last institution attended to be considered for admission to UCF. **Meeting these minimum requirements does not guarantee admission.**

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

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

## Transfer Applicants with Fewer Than 60 Credit Hours

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

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

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

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

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

1. Admission to one of the eleven state universities, except to "limited access" programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);

5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and
7. Equal opportunity with native university students to enter limited programs.

Should any guarantee be denied, students have the right of appeal through the Office of Undergraduate Admissions and the Admissions and Standards Committee.

#### **Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution**

Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:

- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

#### **Second Bachelor's Degree Applicants**

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

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

#### **Credits from a Previous Baccalaureate Degree**

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

#### **Transient Student Applicants**

A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not pre-suppose regular admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student's last school of attendance is a Florida public university, please refer to the "SUS Transient Students" section of this *Undergraduate Catalog*. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

#### **Non-Degree Seeking Applicants**

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

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

## **International Applicants**

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at <http://www.admissions.ucf.edu>. Because of 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**.

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

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

- Submit the completed UCF admissions application form with the required \$30.00 non-refundable application fee (check or money order in U.S. currency). An online application is available on our website at <http://www.admissions.ucf.edu>.
- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.
- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.
- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) **may** be required of students whose first language is not English. Information can be obtained from TOEFL at <http://www.toefl.org> or IELTS, <http://www.ielts.org>.
- Results of the SAT or ACT will be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT) at <http://www.collegeboard.org> or from ACT at <http://www.act.org>. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

Applicants must file a "Certification of Finances" form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file **prior** to the issuance of the I-20 or DS-2019 forms by the University.

#### **Educational Translations and Evaluations**

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

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

## Undergraduate Admissions

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

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

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

The University reserves the right to refuse registration to any international student on F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-3707 or go to their website noted above.

### Non-Academic Admission Clearances

Florida Department of Education Rule 6C-6.001(2) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires

the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.



### Transfer Credit: All Applicants

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

### Accredited Institutions

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

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

- Northwest Association of Secondary and Higher Schools, Commission on Higher Schools;
- Southern Association of Colleges and Schools; and
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

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

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

### General Education Transfer Credits

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

### Credits from Private and Out-of-State Institutions

Transfer credit from private junior and senior colleges and out-of-state institutions will be evaluated on a course-by-course basis. Each student must submit the necessary petition(s) to the appropriate office(s) to determine which courses will transfer with regard to degree progress at UCF. Transfer courses that meet the requirements of the General Education Program and the Gordon Rule are determined through the process described in the "Undergraduate Degree Requirements" chapter of

this *Undergraduate Catalog*. Petition procedures vary by college. Generally the petitioning of transfer courses for satisfaction of college and major requirements should be done during the second full term of the student's residency at UCF, so that the accepted transfer courses are understood clearly by the student and the faculty advisor early in the student's tenure at UCF.

### Credits from Military Service School Courses

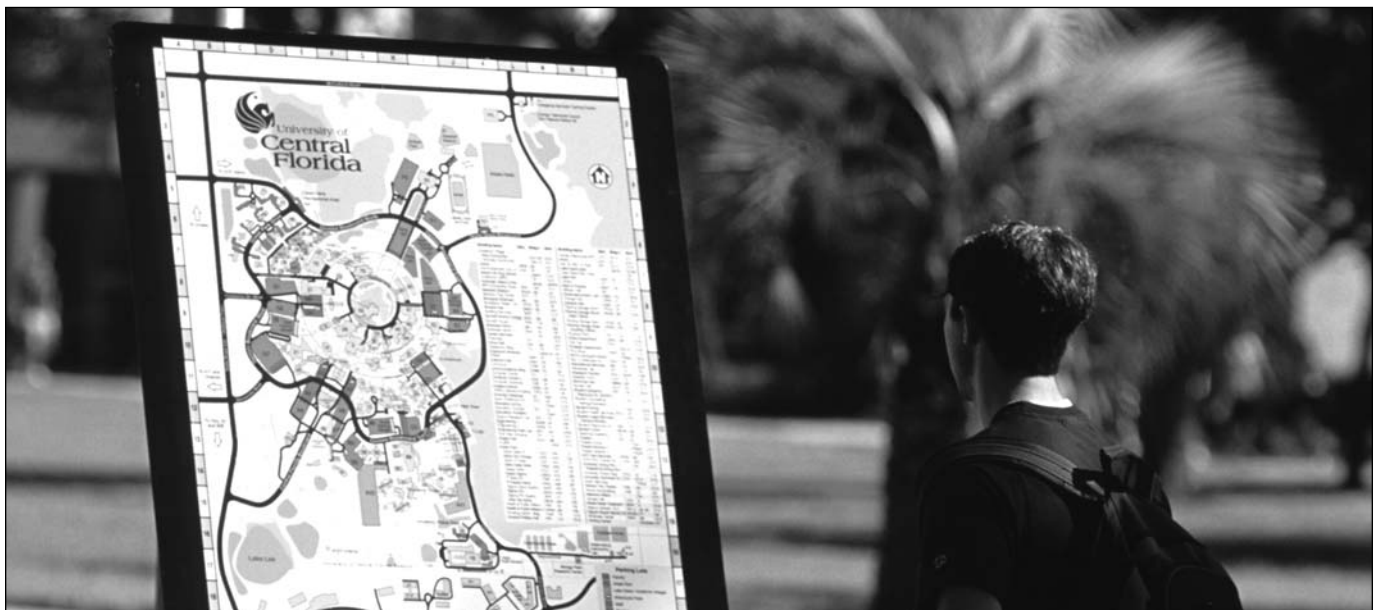
Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations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

### Baccalaureate Honors

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



# STUDENT FINANCIAL ASSISTANCE



## Office of Student Financial Assistance

*Executive Director:* Mary H. McKinney

MH 120; Switchboard: 407-823-2827, Appointment: 407-823-5285,

Fax: 407-823-5241

E-mail: [finaid@ucf.edu](mailto:finaid@ucf.edu)

<http://finaid.ucf.edu>

### Office Hours:

Monday: 9:00 a.m. - 5:30 p.m.

Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.

Thursday: 1:00 p.m. - 5:30 p.m.

(Hours subject to change during holidays and semester breaks.)

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

### Student Rights and Responsibilities

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

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

### Student Eligibility

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

### Application Priority Date

All students must apply or reapply yearly for financial aid.

To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid

(FAFSA)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority date.

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

### Application Procedures

- The FAFSA can be filed electronically at <http://www.fafsa.ed.gov>. A link is provided on the website and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, and follow through promptly. Delays can be costly as well as frustrating;
- Federal Regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until Verification is complete and all necessary corrections have been made.

### Specific Eligibility Requirements and Conditions for Receiving Financial Aid

- Students must be accepted and classified as degree-seeking at UCF in an eligible program;
- Students must maintain UCF's Standards for Satisfactory Academic Progress;
- Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may necessitate a revision of the financial aid award/s. This includes, but is not limited to, any private scholarships or third party tuition payment/waivers;

## Student Financial Assistance

- Students may not receive aid in excess of their Cost of Attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, Verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must accept, reduce or decline offered loan/s on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Interview and Master Promissory Note (MPN) for a Federal Stafford Loan at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-688 cardholders as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs, students must show a financial need as determined by the FAFSA;
- Male applicants must be registered with Selective Service, if applicable.

### Program Eligibility Charts

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

### Helpful Hints

- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority date;
- Make a copy of tax return forms before submission to IRS;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student's name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights E-mail account and check it regularly to avoid missing important and critical information from Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn't seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the website: <http://finaid.ucf.edu>.

### School Costs

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

<b>Estimated Cost of Attendance for 2011-2012</b>				
<b>Undergraduate Students</b>				
Fall/Spring based on 14 hours per term				
	<b>Florida Residents</b>		<b>Non-Florida Residents</b>	
	On/Off Campus	Parent/Relative	On/Off Campus	Parent/Relative
Living Arrangement				
Tuition and Fees	\$4,518	\$4,518	\$19,832	\$19,832
Books	924	924	924	924
Room & Board	8,574	4,450	8,574	4,450
Transportation	1,800	1,800	1,800	1,800
Personal Expenses	<u>2,276</u>	<u>2,276</u>	<u>2,276</u>	<u>2,276</u>
<b>Total Costs</b>	<b>\$18,092</b>	<b>\$13,968</b>	<b>\$33,406</b>	<b>\$29,282</b>

### Financial Aid Programs Available at UCF

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

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

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

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

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

### Award Notification

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

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

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

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

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

### Deferrals of Tuition and Fees

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

**Disbursements**

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

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

**Satisfactory Academic Progress (SAP)**

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

To meet the standards adopted by the University of Central Florida, a student must:

- Complete a minimum of 70% of the attempted hours taken during the course of the year. Compliance of this requirement is checked at the end of each spring term. If students fail to meet this requirement or were not enrolled during the last monitoring period (fall/spring), a review of total hours taken at UCF will occur to determine if a 70% completion rate was attained for all attempted UCF course work. If students fail to pass both of these reviews, they will be placed on Satisfactory Academic Progress cancellation status.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of UCF attempted hours, based on their academic level at the time of admission to UCF (see chart below).
- For detailed SAP policy information, please refer to the Office of Student Financial Assistance website at: <http://finaid.ucf.edu>.

Classification	Maximum UCF Hours Allowed For Completing Degree
<b>Undergraduate</b> All Freshman Transfer Sophomores Transfer Juniors Transfer Seniors	<b>Undergraduate</b> 180 Attempted UCF Hours 135 Attempted UCF Hours 90 Attempted UCF Hours 45 Attempted UCF Hours
<b>Second Degree</b>	60 Attempted Hours
<b>Masters</b>	70 Attempted Hours
<b>Specialist Degree-Seeking</b>	100 Attempted Hours (Including all Graduate Hours)
<b>Doctoral</b>	120 Attempted Hours (Including all Graduate Hours)

**Re-establishing Eligibility after Cancellation**

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

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

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available on the Office of Student Financial Assistance website at: <http://finaid.ucf.edu>, under Forms).
- Attach documentation that supports specific circumstance(s) to the appeal form; and,
- Submit the appeal and the supporting documentation to the Office of Student Financial Assistance. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by e-mail communication or the student may view the updated status on myUCF, under View Financial Aid Status.
- Students reinstated on financial aid probation will be required to have an academic plan that must be monitored.

**Transfer Students**

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

**Independent Students**

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

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

## Student Financial Assistance

### Dual Enrollment

Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

1. Dual Enrollment/Transient Form;
2. Advisor Certification Form with all required signatures;
3. A copy of the fee invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

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

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

### Over Awards

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

### Refunds and Return of Title IV Funds

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

### Professional Judgment

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





## Student Tuition and Fees

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

### Payment Procedures

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

#### Acceptable forms of payment:

Checks  
Credit Cards

E-Pay - <https://my.ucf.edu> –E-Check or Credit Card

- A nonrefundable \$10.00 convenience fee will apply per 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 Fee Invoice. Select the current term (i.e. Sum 2011, Fall 2011, or Spring 2012). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Write down the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click the link to Due Charges/E-Pay. **Enter Payment Amount** in the empty box next to the actual charge.
- Click on **Continue** and then follow the Payment Gateway instructions for the method of payment.

Mailed payments: (Please do not send cash)

- Include student's name and PID# on checks or money orders (make check payable to University of Central Florida)
- Address payments to:  
University of Central Florida  
Student Accounts Services  
P.O. Box 160115  
Orlando, FL 32816-0115

Payment Drop – 24-Hour Depository at main Campus

#### Payment Locations (Call respective campus for office hours and options):

Main Campus - provides various payment stations on the campus for on-line payments – (407) 823-2433; 24-Hour night depository – Millican Hall at Reflection Pond Entrance (No Cash)

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

#### Other Forms of Payment

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

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

#### Florida Prepaid College Plan

For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition covered under the plan. All fees not covered by the plan are due by the fee payment deadline. If the student does not wish to utilize the Florida Prepaid Tuition Plan, the student must notify the Student Accounts Services by submitting a Florida Prepaid Tuition Plan Procedures form 41-905 request not to bill FPP on or before the first day of the Drop/Swap and Late Add period. Submit written request as a scanned attachment in an e-mail or by fax.

The standard plan will cover \$105.21 per credit hour (graduate or undergraduate level) for the 2010-2011 academic year. The plan does not cover the local fees of \$41.48 per credit hour, material/supply fees, equipment fees, Distance Learning course fee, Technology fee or the UCF ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover an additional \$33.93 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our website <http://www.fa.ucf.edu> and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

**Note: The 2011-2012 tuition rates had not been established at the time of publication.**

#### Tuition Waivers

##### State of Florida Employees Tuition Waiver

Full-time state employees may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. State Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar

<http://www.registrar.sdes.ucf.edu/calendar/academic/> for each term. Should the employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the employee will be liable for all applicable fees. The tuition waiver cannot be used for courses that have increased costs. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any state employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed tuition waiver form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail. Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term's fee payment deadline may incur a \$100.00 Late Payment fee. See the Academic Calendar

<http://www.registrar.sdes.ucf.edu/calendar/academic/> each term for the fee payment deadlines. Employees may obtain the "State Employee Tuition Waiver" form, policy and instructions from the Registrar's Office website at [http://www.registrar.ucf.edu/State\\_UCF.html](http://www.registrar.ucf.edu/State_UCF.html). Students may list alternate courses on their waiver form to substitute for preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived.

##### UCF Employees Tuition Waiver

All full-time general faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the date fees are due and who meet academic requirements, including those employees on sabbatical, professional development, grants-in-aid, and educational leave, may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar

<http://www.registrar.sdes.ucf.edu/calendar/academic/> for each term. Should the UCF employees register for the courses to which the waiver will apply prior to the prescribed date and time, the fee waiver will become invalid and the UCF employee will be liable for all applicable fees. These courses include, but are not limited to, continuing education courses, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, practicum courses, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail. Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term's fee payment deadline may incur a \$100.00 Late Payment fee. See the Academic Calendar

<http://www.registrar.sdes.ucf.edu/calendar/academic/> each term for the fee payment deadlines. UCF employees may obtain the "Employee Tuition Waiver Program" form, policy and instructions from either the Human Resources web site at <http://www.hr.ucf.edu/web/forms/benefits/tuitionwaiver.pdf> or the Registrar's Office website at [http://registrar.ucf.edu/forms/employee\\_waiver/](http://registrar.ucf.edu/forms/employee_waiver/). Students are encouraged to list alternate courses on their waiver form to substitute for

preferred courses that are completely filled. Courses that are not listed on the waiver form cannot be waived

#### Tuition and Fees for Senior Citizens

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

#### Refund of Fees

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

#### Full Refund Eligibility

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

#### Partial Refund (25%)

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

#### Exceptional Circumstances

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

#### Direct Deposit

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

#### Past Due Accounts

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

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

#### Late Fees

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

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

#### Fee Appeals

Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at <http://fa.ucf.edu>. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts Services and may appear before the Committee (not mandatory). Send forms and back-up documentation as a scanned attachment in an e-mail or faxed to Student Accounts Services. Address faxed petitions to: Attn: Fee Appeals Coordinator, 407-823-6476.

#### Holds

Holds due to unpaid tuition and fees that prevent registration and the receipt of transcripts will automatically be removed overnight once fees are paid. Holds paid on-line may take up to two (2) business days to clear.

#### Florida Residency for Tuition Purposes

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

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

#### And

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

#### And

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

- Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
  - Declaration of Domicile (**Note:** the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
  - Proof of purchase of a home in Florida in which the student resides;
  - Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).
- Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
  - Declaration of Domicile;
  - Florida voter registration;
  - Florida vehicle registration;
  - Florida driver license or Florida identification;
  - Proof of real property ownership in Florida (e.g., deed, tax receipts);
  - Verification of permanent employment in Florida by the employer, employment records, or other employ-

## Student Tuition and Fees

- ment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
- g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
  - h. Proof of continuous presence in Florida during periods when not enrolled as a student;
  - i. Proof of former domicile in Florida and maintenance of significant connections while absent;
  - j. Proof of reliance upon Florida sources of support;
  - k. Proof of domicile in Florida of family;
  - l. Proof of admission to a licensed practicing profession in Florida;
  - m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
  - n. Proof of graduation from a high school located in Florida.
3. No contrary evidence establishing residence elsewhere;
4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)
- Or
- Be married to a person who has been a legal resident of the State of Florida for the required 12-month period and relinquish legal ties to any other state,
- Or
- Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent,
- Or
- Be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, a spouse or dependent, and active drilling members of the Florida National Guard,
- Or
- Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,
- Or
- Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida,
- Or
- Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,
- Or
- Be a full-time Latin American or Caribbean student who receives scholarships from the federal or state government,
- Or
- Be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,
- Or
- Be a graduate student of the Southern Regional Education Board's Academic Common Market attending Florida's state universities,
- Or
- Be a full-time employee of a state agency or political subdivision of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,
- Or
- Be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,
- Or
- Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(7)(a),
- Or
- Be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent,

## And

Submit a statement as to the length of residence in Florida and their residency qualifications under the above criteria. Students requesting Florida residency for tuition purposes shall apply to the appropriate admissions office if they have not yet enrolled, or to the Registrar's Office if they already are enrolled.

## 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 documents to the Registrar's Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar's Office or online at <http://registrar.ucf.edu>. This form must be accompanied by all documents that support the student's Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, 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.

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



# DIVISION OF STUDENT DEVELOPMENT AND ENROLLMENT SERVICES



## Division of Student Development and Enrollment Services (SDES)

*Vice President for Student Development and Enrollment Services:*

Maribeth Ehasz

MH 282; 407-823-4372

<http://www.sdes.ucf.edu>

### Introduction

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

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

Goals of the division are to:

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

The division is comprised of the following areas:

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

*Director:* TBA

WD 1; 407-823-5896

E-mail: [Vanessa.Hernandez@ucf.edu](mailto:Vanessa.Hernandez@ucf.edu)

<http://www.assa.sdes.ucf.edu>

The Office of Academic Services for Student-Athletes, which is housed within the Division of Student Development and Enrollment Services works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, academ-

ic, NCAA Division I academic-athletic eligibility, and career planning goals. ASSA services include:

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

### Activity and Service Fee Business Office

*Director:* Joseph Sciarrino

SU 215; 407-823-5548

E-mail: [asf@ucf.edu](mailto:asf@ucf.edu)

<http://www.asf.ucf.edu>

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

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 14 computer stations available and provides limited free printing to currently enrolled students. Our office also manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized *TicketMaster* Retail Outlet.

## Division of Student Development And Enrollment Services

### **Alcohol and Other Drug Education, Prevention, and Wellness**

Director: Tom Hall  
COUN; 407-823-0879/407-823-5841  
<http://www.aod.sdes.ucf.edu>

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

### **Campus Faith & Ministries United**

Director: Brad Crawford  
SU 305; 407-823-5336  
<http://www.ucfministries.com>

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

### **Career Services**

Executive Director: Lynn Hansen  
E-mail: [career.ucf.edu](mailto:career.ucf.edu)  
CSEL; 407-823-2361  
<http://www.career.sdes.ucf.edu>

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

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

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

### **Counseling Center**

Executive Director: Stacey Pearson  
COUN; 407-823-2811  
E-mail: [councntr@ucf.edu](mailto:councntr@ucf.edu)  
<http://www.counseling.sdes.ucf.edu>

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

The Counseling Center offers:

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff

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

### **Creative School for Children**

Director: Rhonda Moore  
CSC; 407-823-2726  
E-mail: [csc@ucf.edu](mailto:csc@ucf.edu)  
<http://www.csc.sdes.ucf.edu>

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

### **First Year Advising and Exploration (FYAE)**

Director: Stephen O'Connell  
PH 116; 407-823-3789  
E-mail: [fy@ucf.edu](mailto:fy@ucf.edu)  
<http://firstyear.sdes.ucf.edu>

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

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

### **Major Exploration Program (MEP)**

PH 116; 407-823-3789  
<http://aep.sdes.ucf.edu>

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

### **First Year Experience (FYE)**

Executive Director: Joe Ritchie  
PH 218; 407-823-5105  
E-mail: [fye@ucf.edu](mailto:fye@ucf.edu)  
<http://www.fye.sdes.ucf.edu>

The First Year Experience Office combines orientation with extended first year transition programs including Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central

## Division of Student Development And Enrollment Services

Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year web site at <http://www.fye.sdes.ucf.edu>. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course.

### Fraternity and Sorority Life

*Assistant Vice President, Student Development and Enrollment Services, and Director:* Belinda Boston  
SU 154 (Greek Council Office); 407-823-2072  
<http://www.greek.ucf.edu>

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

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

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

### Health Services (HS)

*Director:* J. Robert Wirag  
HC 309; 407-823-2094  
<http://www.hs.ucf.edu>

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

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

The UCF Health Center is staffed by Board-certified physicians, advanced 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. Students at the Rosen College of Hospitality Management have the option of health care services at the Rosen Medical Clinic

close to campus or at UCF HS on the Orlando campus. Medical conditions that require specialty care services are referred to specialists in the greater Orlando area according to the patient's preference.

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

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

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

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

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

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

### Housing and Residence Life

*Executive Director:* Christi Hartzler  
HAB; 407-823-4663  
<http://www.housing.ucf.edu>

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credit hours housing on the Orlando main campus and the Rosen College of Hospitality Management campus. Orlando main campus housing is reserved for mostly incoming first-year students. A limited amount of space is available for upper-class students. Married and family student housing is not available. All classes of students are all welcome at the Rosen College of Hospitality Management Student Apartments.

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

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

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

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

### **Multicultural Academic and Support Services (MASS)**

*Director:* Wayne Jackson  
PH 102; 407-823-2716  
<http://www.mass.sdes.ucf.edu>

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

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

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

Off-Campus Student Services and Student Neighborhood Relations assist students in their search for off-campus housing accommodations. The OCSS-SNR provides listings of off-campus apartments and/or resources for students needing to find roommates, storage, sublease, transportation, and furniture rental information.

OCSS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, "on the spot" or through campus referrals, and exploring other available resources for students. Students are encouraged to utilize the services offered by the Off-Campus Student Services Office, and to become acquainted with the many benefits the campus has to offer.

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

### **Office of Student Involvement (OSI)**

*Director:* Michael Preston  
SU 208; 407-823-6471  
E-mail: [Michael.Preston@ucf.edu](mailto:Michael.Preston@ucf.edu)  
<http://www.GetInvolvedUCF.com>

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

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

### **Office of Student Rights and Responsibilities (OSRR)**

*Assistant Vice President, Student Development and Enrollment Services and Director:* Patricia A. MacKown  
FC 142; 407-823-6960  
<http://www.osrr.sdes.ucf.edu>

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student's knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining

and referring within the judicial knowledge base that exists within these three services. OSRR also publishes the Student Handbook, the Golden Rule, which contains more detailed information on student life. Copies of the Golden Rule can be obtained at OSRR, or can be viewed on the internet at <http://www.goldenrule.sdes.ucf.edu>. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

### **Dispute Resolution Services**

*Director:* Jennifer Wright  
FC 142; 407-823-3477  
<http://www.drs.sdes.ucf.edu>

Dispute Resolution Services enhances the university community by offering mediation training and services directed at resolving interpersonal disputes while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. Mediation services are provided to UCF students, faculty, and staff at no charge. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community. The UCF community would also consider this office as a place of support, encouragement, and guidance in handling college level issues associated with academic integrity, ethics, civility, and the UCF Creed.

### **Office of Student Conduct**

*Director:* Dana Juntunen  
FC 142; 407-823-4638  
<http://www.osc.sdes.ucf.edu>

The Office of Student Conduct addresses alleged violations of the "Rules of Conduct" contained within the Golden Rule student handbook. Our goal is to educate students, faculty and staff on the issues related to the student conduct, community responsibilities, and behavioral expectations in the Rules of Conduct in the Golden Rule Student Handbook. This office is also responsible for admission clearances, dean's certification, and student eligibility checks. The rules of conduct can be found in the Golden Rule student handbook and copies may be obtained at the Office of Student Conduct, or can be viewed on the internet at <http://www.goldenrule.sdes.ucf.edu>.

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

### **Student Legal Services**

*Associate General Counsel:* Patricia Dullaghan  
FC 142; 407-823-2538  
<http://www.sls.sdes.ucf.edu>

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

### **PRIME STEM Student Support Services Program**

*Director:* Rebekah McCloud  
PH 208; 407-823-4165  
E-mail: [rebekah.mccloud@ucf.edu](mailto:rebekah.mccloud@ucf.edu)  
<http://www.prime.sdes.ucf.edu>

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

## Division of Student Development And Enrollment Services

### Recreation and Wellness Center (RWC)

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

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

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

### Regional Campuses Student Services

Assistant Vice President: A.J. Range  
University Tower, Suite 101, 12201 Research Parkway, Orlando, FL  
32826; 407-823-4547  
E-mail: [A.J.Range@ucf.edu](mailto:A.J.Range@ucf.edu)

Student Services, UCF Daytona Campus  
Director: Diana Weidman  
386-506-4024  
E-mail: [erss@ucf.edu](mailto:erss@ucf.edu)

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

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

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

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

The UCF Regional Campuses Student Services offices at the Daytona, Cocoa/Palm Bay, South Lake, Ocala, Leesburg, Sanford/Lake Mary, Valencia West, Valencia Osceola and South Orlando campuses provide student services at each regional campus, including transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.



## Division of Student Development And Enrollment Services

### Registrar's Office

*University Registrar:* Brian C. Boyd  
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533  
E-mail: registrar@ucf.edu  
<http://www.registrar.sdes.ucf.edu>

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

### Rosen College of Hospitality Management Student Life

*Assistant Director:* Tiffany Greenis  
9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150

Student's campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life office. Staffing and services provided through this office include: registered student organization support, on-campus student housing information, student activities programming guidance and support, and the Golden Rule interpretation.

### Sophomore and Second Year Center (SSYC)

*Director:* Robert Snow  
PH 215; 407-823-3375  
E-mail: sophomore@ucf.edu  
<http://www.sophomore.sdes.ucf.edu>

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

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

### Student Academic Resource Center (SARC)

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

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

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

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

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

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

A learning skills specialist is also available for students who need study skills advice or those who wish to enhance their educational experience.

### Student Disability Services (SDS)

*Director:* Pamela Rea  
FC 185; 407-823-2371  
<http://www.sds.sdes.ucf.edu>

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

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

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

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

### Student Government Association (SGA)

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

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

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

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

### **Student Leadership Development (SLD)**

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

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

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

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

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

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

### **Student Union**

*Director:* Suzanne Halpin  
SU 312; 407-823-2117  
<http://www.ucfsu.com>

The Student Union is the meeting place on campus and provides the campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey's Coffee and Greens salad bar, Balagan Kosher Café, Smoothie King, Subway, Sbarro, Mrs. Field's, Pretzel Time, Wackadoo's Grub and Brew, Crepe Royale, Qdoba Mexican Grill, Burger King, Pollo Pollo, Asian Chao and Corner Cafe. Retail stores include Greek Unique, KnightStop Convenience Store and Sushi, College Optical, and the UCF Computer Store. Other services located in the Union are the SGA Ticket Office, SGA Computer and Express Print Labs, Kaplan Test Services, ATMs from SunTrust, Bank of America and the UCF Credit Union as well as a self-service Postal Kiosk. Located at the Ferrell Commons is Brooklyn Pizza and the Knights Helping Knights Pantry. The Student Union also operates the All Knight Study Lounge located at the UCF arena. For information, call 407-823-0001.

### **Transfer and Transition Services**

*Director:* Charlene A. Stinard  
PH 221; 407-823-2231  
<http://transfer.sdes.ucf.edu>

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

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

### **University Testing Center (UTC)**

*Director:* Rebecca Piety  
PH 106; 407-823-5109  
E-mail: [utc@ucf.edu](mailto:utc@ucf.edu)  
<http://www.testing.sdes.ucf.edu>

The University Testing Center administers the Academic College Test - Residual (ACT); Accuplacer; Critical Thinking Test, Distance Learning/Correspondence Exams; Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); 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  
E-mail: [rebekah.mccloud@ucf.edu](mailto: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  
E-mail: [varc@ucf.edu](mailto:varc@ucf.edu)  
<http://varc.sdes.ucf.edu/>

The Veterans Academic Resource Center (VARC) recognizes and supports student veterans as they the 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 a

## Division of Student Development And Enrollment Services

new home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success and is partially funded by a grant from the U.S. Department of Education Fund for the Improvement of Postsecondary Education (FIPSE).

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

### **Veteran Services**

*Assistant University Registrar:* James Middlekauff  
Veterans Academic Resource Center, ARNA; 407-823-2707  
E-mail: [varc@mail.ucf.edu](mailto:varc@mail.ucf.edu)  
<http://www.va.ucf.edu>

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

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

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

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

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

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct.

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

Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.





# TRANSFER AND TRANSITION SERVICES



## Transfer and Transition Services

Director: Charlene A. Stinard  
PH 221; 407-823-5959, Fax: 407-823-3955  
E-mail: [tsservices@mail.ucf.edu](mailto:tsservices@mail.ucf.edu)  
<http://transfer.sdes.ucf.edu>

The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF's general education program and how their transfer credits apply to their degree requirements.

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

## Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning;
- General advising for transfer students before and after they enroll at UCF
- Pre-admission academic advising for students applying to UCF
- Advising for students who are undeclared, undecided, or changing majors
- Peer Mentors provide advising and transition assistance by telephone, e-mail, and office appointments
- Student information and advising HOTLINE 407-823-5959
- Website for transfer students (<http://transfer.sdes.ucf.edu>)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

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

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

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

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

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

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

If you do not complete an A.A. at a Florida public community college or university, you must complete UCF's general education requirements, which may be considerably different from your previous institution's requirements. In addition, no grade forgiveness will be honored. All attempted credits will be averaged into your GPA for admission purposes. If you have met all the A.A. requirements except the CLAS, you should have "General Education Requirements Met" placed on

## Transfer and Transition Services

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

### What If I Have Not Taken the CLAS?

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

You must satisfy the CLAS by the time you have completed 36 hours of upper-division course work, or you will be placed on hold, and unable to take any more upper division classes until the requirement is met. UCF accepts the CLAS alternatives and waivers awarded by Florida public community colleges and universities.

Admission requirements have changed for students entering the College of Education. The General Knowledge Test (GKT) of the Florida Teacher Certification Examination (FTCE) may now be used as both an admission and graduation requirement for state-approved teacher preparation programs. The CLAS will continue to be an admission option for students, but does not satisfy graduation requirements. For additional information concerning the CLAS, contact the University Testing Center, 407-823-5109.

### What Are the Foreign Language Requirements?

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

**Graduation Requirement: Some baccalaureate degrees** require students to demonstrate foreign language proficiency as a graduation requirement; this requirement may be satisfied by college-level course work or testing equivalent to two semesters of college instruction. Some majors require additional proficiency; some departments accept American Sign Language to meet the proficiency. Consult the UCF *Undergraduate Catalog* for graduation requirements for spe-



cific majors. High school courses will not satisfy graduation foreign language requirements. International students required to provide TOEFL scores for admission are considered to have satisfied the graduation requirement.

### How Will My Credits Transfer?

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

## Transfer Checklist

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

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

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

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

### When Do I Pay My Bill?

For students taking courses at UCF for the first time, tuition and fee payments are due by the published deadline. Students can print a copy of their Fee Invoice online from myUCF (<https://my.ucf.edu>). A late payment fee of \$100 will be assessed on all accounts not paid or deferred by each term's payment deadline. Please note that you will not be sent a bill. It is up to you to view your Fee Invoice through myUCF. If you decide not to attend, but have registered for classes, be sure to drop all classes, or you will be 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 with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 p.m.
- Transfer students accepted to UCF who are undeclared majors or are undecided about their major should contact Transfer and Transition Services prior to Orientation for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

#### Students should:

- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted "contingent upon completion of the A.A." if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
  - Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
  - Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
  - Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
  - Complete the "Student Health Form." Registration is not allowed without the completion and approval of this form.
  - Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: "General Education Requirements Met." Without this statement, you **must** satisfy UCF's general education requirements (including Gordon Rule courses).
- Complete the "Free Application for Federal Student Aid" (FAFSA). To be considered for all aid available, your financial aid file should be complete by **March 1**.

# ACADEMIC ADVISING

## Responsibilities

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

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

## Freshman (First Time in College - FTIC)

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

### New FTIC Students can expect to:

- Attend a mandatory UCF Orientation that will provide:
  - Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
  - An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
  - An awareness of expectations for success at UCF; and,
  - Information about key academic policies and important deadlines.
- Connect with their first year advising office according to the following designated priority order:
  - First Year Advising and Exploration (FYAE)** - for first year students in the EXCEL, LEARN Living Learning Community, STEP, and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 116)
  - Academic Services for Student-Athletes (ASSA)** - for student athletes (WDSC 110)
  - Student Academic Resource Center (SARC)** - for Participants in the College Achievement Program (CAP) and Pegasus Success Program (PH 113)
  - Multicultural Academic and Support Services (MASS)** - for all students in the SOAR program (PH 102)
  - 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*.

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

- 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;
- Meet with their advisor in the department of their major prior to registration;
- 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;
- Continue to register for classes online;
- Check their "Fee Invoices/Schedule" to ensure accuracy of class schedule; and,
- Attend any mandatory Honors advising appointments.

## College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other issues. CAHSA is located in Colbourn Hall (CNH) room 202 and advisors can be reached by phone at 407-823-3312 or via e-mail at [cahsa@mail.ucf.edu](mailto:cahsa@mail.ucf.edu). Students can also access CAHSA's website at: <http://www.cahsa.ucf.edu>

### New students will:

- Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures;
- Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule;
- Register for classes at a central location; and,
- Check their "Fee Invoices" to ensure accuracy of their class schedule.
- Create and regularly check their Knights E-Mail account.

### Continuing students will:

- 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;
- Access their Degree Audit at least every term and understand all degree requirements;
- 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,
- Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an e-mail from CAHSA indicating how to file their "Intent to Graduate" forms and in order to conduct a graduation review. Please refer to the academic calendar for the deadline to file your Intent to Graduate.
- Regularly check their Knights E-Mail account.

### Graduating students will:

- 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.
- Meet with a CAHSA advisor after filing the online intent to graduate and prior to the deadline for filing the intent.
- Maintain current contact information and regularly check their Knights E-Mail account.

## College of Business Administration

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

### New students will:

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

### Continuing students will:

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

## College of Education

### New students will:

1. Meet college advising representatives in a **group** setting during Orientation to:
  - a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
  - b. Review degree program requirements
  - c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Academic Advising Center (ED 115 if their major is Elementary Education or Education Pending Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor's name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

### Continuing students will:

1. Set up an appointment with an academic advisor **if accepted in a major** or the Academic Advising Center, **if in a "pending major,"** to review academic progress and to develop an academic plan. Students are expected to review their plan of study each term with an advisor prior to registration;
2. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add period; and,
3. File an "Intent to Graduate" on-line by the end of the term prior to the term in which graduation is intended.

## College of Engineering and Computer Science

### New students will:

1. Meet with the Engineering and Computer Science Academic Affairs representative in a **group** setting during Orientation to:
  - a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures
  - b. Plan an appropriate first term schedule;

2. Meet with a faculty advisor in the department of their major to:
  - a. Understand the career options of the major
  - b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENGR 107) if Engineering Pending majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

### Continuing students will:

1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 439;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at <https://my.ucf.edu>;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering or computer science advisement hold. This plan must be submitted online to the CECS Academic Affairs Office each time a student uses the registration process; and,
7. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

## College of Health and Public Affairs

### New students will:

- Meet college advising representatives in a **group** setting during Orientation to:
1. Discuss degree program requirements;
  2. Understand career options of the major program of study;
  3. Plan an appropriate first semester class schedule; and,
  4. Meet with an advisor in COHPA Undergraduate Student Services during the first few months of the first term to be advised toward the major.

### Continuing students will:

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

## College of Medicine Burnett School of Biomedical Sciences

### New students will:

Meet with the Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

### Continuing students will:

1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;

## Academic Advising

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 includes many courses required for admission to most professional schools.

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

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

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

### Curricula Guidelines

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

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

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

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

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

### Dates of Importance

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

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

## College of Nursing

### New students will:

Meet college advising representatives in **group** settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and,
3. Plan an appropriate first term class schedule.

### Continuing students will:

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

## College of Sciences

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

### New students will:

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

### Continuing students will:

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

**Graduating students will:**

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

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

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

**New students will:**

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

**Continuing students will:**

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

**Rosen College of Hospitality Management****New students will:**

Meet college advising representatives in **group** settings during orientation to:

1. Discuss degree program requirements;
2. Understand career options and major programs of study;
3. Plan an appropriate first semester class schedule; and,
4. Review and learn how to interpret a Degree Audit through myUCF.

**Continuing students should:**

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

**Regional Campus System**

<http://regionalcampuses.ucf.edu>

New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss programs and requirements. Students are asked to meet in a pre-advising session prior to Orientation to determine if the student is a Regional Campus or Orlando Campus student. Orlando Campus students are asked to attend Orientation on the Orlando Campus with the College of their choice. Regional Campus students are required to attend Orientation on the Regional Campuses they plan to attend. The student will receive:

1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

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

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



# 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 web page at <http://www.registrar.ucf.edu/weg/>.

## Terms and Credit Hours

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

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

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

## Undergraduate Enrollment Status

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

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

## Credit Hour Limits

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

## Excess Hours

Effective Fall 2009, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, will be subject to the state statute on excess hours which could result in a surcharge on tuition. This charge will be applied for each credit hour in excess of 120% of the number required to complete the baccalaureate degree program. For instance, if the degree program requires 120 credit hours, an excess hours charge will begin if a student goes beyond 144 credit hours. Students should regularly review their degree audits and consult with an academic advisor to make sure they are not enrolling in excess courses. More detailed explanation of the excess hours rule can be found on the University Registrar's Office web site at <http://registrar.sdes.ucf.edu>.

## Holds

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

## Drop/Swap and Add Policy

Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the "Academic Calendar"). Drop/Swap or Add may be done using the myUCF system (<https://my.ucf.edu>) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/

Swap or Add period may be dropped the next business day in the Registrar's Office, MH 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 assessed for Audit registration. See the "Fee Schedule" in the "Financial Information" section of the *Undergraduate Catalog*. Audit registration is on a space-available basis at the prescribed time of Registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar's website (<http://www.registrar.ucf.edu>) and in the Registrar's and college advising offices, must be signed by the instructor and presented to the Registrar's Office at the time of registration.

## Senior Citizen Audit

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

## State of Florida Employee & UCF Employee Registration

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

## Limited Non-Degree Seeking Applicants

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

Programs using the Limited Non-Degree Seeking status include:

- High school Dual Enrollment
- Soldiers-to-Scholars
- Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification;
2. Students who have been previously denied admission or disqualified for enrollment are not eligible;
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students;
4. Registration is permitted on a space-available basis;
5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student;
6. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from enrolling without admission to a degree or certificate program;
7. Limited Non-degree students are not eligible to receive financial aid 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 receive a waiver of 50% of tuition and material and supply fees.

### State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and desires to take courses with UCF. Students must complete the "SUS Transient Application Form" which is available online at <http://www.facts.org>. No application fee is required. The "SUS Transient Application Form" must be completed each term and should be completed online or delivered/mailed to the Registrar's Office (MH 161), by the application 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 for registration information at 407-823-3100.

### UCF Students Attending Another Florida Public Institution

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

### UCF Students Attending a Non-SUS Institution

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

### Enrollment and Degree Verifications

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

### Withdrawal Policy

Withdrawal for each term begins after the drop deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of "W" until the deadline noted in the "Academic Calendar" online at <http://www.registrar.ucf.edu/calendar/academic>. A student may withdraw from courses using myUCF at <https://my.ucf.edu>, or by visiting the Registrar's Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student's identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar's Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student's identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or be fee liable and receive a grade.

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

No withdrawal is permitted after the withdrawal deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should view the Academic Services website at [http://www.academicsservices.ucf.edu/academic\\_record/](http://www.academicsservices.ucf.edu/academic_record/) and consult Academic Services (MH 210). Students who are granted a late withdrawal will be given a passing or failing grade from the instructor of the course. If the student was passing, a "WVP" will be recorded on the student's permanent record; if failing, a "WFP" will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term.

Students who seek a withdrawal because they are ill must apply for a medical withdrawal following the medical withdrawal procedure. All requested forms must be submitted to initiate the review process. The student's physician provides the University with the appropriate medical information, using the forms available in the Office of Academic Services (MH 210). A medical withdrawal must be for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

If a medical withdrawal is approved, a "WM" will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student's responsibility to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of "WVP" or "WFP" will be recorded. A grade of "WFP" will affect the calculation of the student's grade point average. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Following the close of the Late Registration and Drop/Swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptional and beyond their control may apply for a cancellation of enrollment and an elimination of fee liability. Exceptional circumstances include, but are not limited to documented sickness, death, involuntary call to military service, or administrative errors created by the University. Students must submit a petition and all supporting documentation for a Late Drop of all courses to Academic Services (MH 210) within six months of the end of the term for which the Late Drop is sought.

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

# Academic Regulations and Procedures

## Withdrawal and Academic Behavior Violations

Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the 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:

Grades	Grade Points Per Semester Hour of Credit
A	4.00
A-	3.75
B+	3.25
B	3.00
B-	2.75
C+	2.25
C	2.00
C-	1.75
D+	1.25
D	1.00
D-	0.75
F	0.00
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 Point
I	Incomplete	-
N	No grade reported by instructor (followed by grade)	-
R	Repeated course (Grade Forgiveness)	-
S	Satisfactory (w/credit)/Satisfactory Progress (Research, Thesis, or Dissertation)	-
T	(followed by grade) Subsequently repeated (no credit)	-
U	Unsatisfactory (no credit)	-
W	Withdrawn	-
WF	Withdrawn Failing	0.00
WH	Health Form Withdrawal	-
WM	Medical Withdrawal	-
WP	Withdrawn Passing	-
X	Audit (no credit)	-

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

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

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. **GPA is computed by dividing the total number of grade points assigned by the total number of credit hours attempted, less hours resulting from NC, W, WP, and I grades.** GPA is recalculated after each term; for Summer GPA 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 e-mail about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The Incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

## Grade Change

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

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

## Grade Reports

Grades are available from myUCF at <https://my.ucf.edu> or from the UCF kiosks where a hard copy of grades per term may be printed via the "Print" browser function.

## Attendance, Absences, or Unsatisfactory Work

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

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s)

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

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

## Classroom Responsibility

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

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

## Student Conduct

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

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

## Religious Observances

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

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

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

## Student Classifications

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

**Freshman:** 0-29 credit hours

**Sophomore:** 30-59 credit hours

**Junior:** 60-89 credit hours

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

### Post-Baccalaureate:

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

### Graduate:

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

### Other Student Classifications:

#### Auditor:

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

#### Co-op Student:

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

#### Special Student:

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

#### Temporary:

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

#### Transient:

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

#### Limited Non-Degree Seeking:

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

#### Provisional:

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

## Academic Honors

### President's Honor Roll Certificate (Full-Time Award)

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

### President's Honor Roll Certificate (Part-Time Award)

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

### Dean's List

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

### Baccalaureate Honors and Diplomas

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

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be:
  - Summa Cum Laude** for those students in the upper 2.5 percent
  - Magna Cum Laude** for those students in the upper five percent, but not in the upper 2.5 percent
  - Cum Laude** for those students in the upper 10 percent, but not in the upper five percent

## Academic Regulations and Procedures

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

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

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

### Honors in the Major

Please see "Honors in the Major" in the The Burnett Honors College portion of the *Undergraduate Catalog*.

### Grade Forgiveness

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

1. Grade Forgiveness is limited to **two** courses;
2. Grade Forgiveness **may not** be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student's official transcript. The original course grade will be marked with a "T" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade **will** appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an "I" grade or "NC" grade in the course, the attempt **will** count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF **does not** honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor's degree from a Florida State System institution is not honored at UCF. UCF's Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida Public Community College or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree **will not** be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean's office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar's Office (MH 161).

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

### Academic Standing

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

### Good Standing

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

### Academic Probation

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

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional counseling. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

### Disqualified (First Suspension)

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

### Exclusion (Second Suspension or more)

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

### Earning Credit While Disqualified

A student disqualified while a freshman or sophomore who subsequently receive an 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 and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

## Appeal

There is no appeal of the University's decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): "Applicants denied admission shall

## Academic Regulations and Procedures

be given notice of the denial within a reasonable period of time following the decision. Upon the applicant's written request, the University shall provide the reasons for the rejection in writing."

### Admissions and Standards Committee

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

### Right of Appeal

A student who is ineligible for readmission or has been denied readmission has thirty (30) days from the date of the denial to appeal for an exception to University policy to the Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar's Office will forward the appeal to the Committee:

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

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

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

## Academic Amnesty Program

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

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

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

Obtain the Academic Amnesty form at <http://www.registrar.ucf.edu>.

## Athletic Eligibility and Retention Committee

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

## Name Changes

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

## Address and E-mail Changes

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

## Transcript Requests

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

**A \$10 per transcript charge is assessed for each transcript request.** Payment for official transcripts is required **at the time of request** and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier's Office during that office's regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Registrar's Office (MH 161). Mail written requests for transcripts to: Registrar's Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed 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. The "Undergraduate Major Change Form" is available at the college and school advising offices of from the Registrar's Office website at <http://www.registrar.ucf.edu>. Forms may be submitted in person to the college/school advising offices, by mail, or in person to the Registrar's Office (MH 161). Requests must include the student's identification number and signature.

### Minors

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

### Undergraduate Certificates

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

## Student Records

Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored 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.

## Academic Regulations and Procedures

### Family Educational Rights and Privacy Act (FERPA)

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

1. The right to inspect and review the student's education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the

requirements of FERPA. The name and address of the office that administers FERPA is:

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

#### Directory Information

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

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

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

#### Other Disclosures:

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

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

#### Higher Education Act

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





**Accelerated Educational Opportunities**

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

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

**Advanced Placement Program (AP) (see table below)**

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

**Advanced Placement Language (all modern languages)**

A score of 3 earns a minimum of one semester (min. 3 credits - 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)**

Exam	Score of 3	GEP Usage	Score of 4	Score of 5	GEP Usage
Art History	ARH 1000		ARH 2050 and 2051	Same as 4	CUL & HIS Found 2
Biology	BSC 1005/1005L	SCI Found 2	BSC 2010C	BSC 2010C and BSC 2011C	SCI Found 2
Calculus AB	MAC 2311	MAT Found 1	Same as 3	Same as 3	MAT Found 1
Calculus BC	MAC 2311	MAT Found 1	MAC 2311 and 2312	Same as 4	MAT Found 1
Chemistry	CHM 1020 & 1020L	SCI Found 1	CHM 2045C or CHM 2045 and 2045L	CHM 2045C and CHM 2046 & 2046L	SCI Found 1
Chinese Language & Culture	CHI 2200		CHI 2200 and 2201	Same as 4	
Computer Science A	CGS 1075	MAT Found 2	Same as 3	Same as 3	MAT Found 2
Computer Science AB	CGS 1076	MAT Found 2	Same as 3	Same as 3	MAT Found 2
Economics: Macro	ECO 2013	SOC Found 1	Same as 3	Same as 3	SOC Found 1
Economics: Micro	ECO 2023	SOC Found 1	Same as 3	Same as 3	SOC Found 1
English Language and Composition	ENC 1101	COM Found 1	ENC 1101 and 1102	Same as 4	COM Found 1 and 2
English Literature and Composition	ENC 1101	COM Found 1	ENC 1101 and LIT 1005#	Same as 4	COM Found 1 and 2 or COM Found 1 and CUL and HIST Found 2
Environmental Science	ISC 1051	SCI Found 2	Same as 3	Same as 3	SCI Found 2
European History	EUH 1009		EUH 2000 and 2001	Same as 4	CUL and HIS Found 1 and 3
French Language	FRE 2200		FRE 2200 and 2201	Same as 4	
French Literature	FRW 3100		FRW 3100 and 3101	Same as 4	
German Language	GER 2200		GER 2200 and 2201	Same as 4	
Government and Politics: Comparative	CPO 1002		Same as 3	Same as 3	
Government and Politics: United States	POS 2041	SOC Found 1	Same as 3	Same as 3	SOC Found 1
Human Geography	GEO 2400		Same as 3	Same as 3	
Italian Language & Culture	ITA 2200		ITA 2200 and 2201		
Japanese Language & Culture	JPN 2200		JPN 2200 and 2201		
Latin: Literature	LNW 3700		Same as 3	Same as 3	
Latin: Vergil	LNW 2321		Same as 3	Same as 3	
Music Theory	MUT 1001 if composite score is 3 or higher MUT 1111 and MUT 1241 if both aural and non-aural subscores are 3 or higher		Same as 3	Same as 3	
Physics B	PHY 2053C	SCI Found 1	PHY 2053C and 2054C	Same as 4	SCI Found 1
Physics C: Electricity/Magnetism	PHY 2054C	SCI Found 1	PHY 2049C	Same as 4	SCI Found 1
Physics C: Mechanics	PHY 2053C	SCI Found 1	PHY 2048C	Same as 4	SCI Found 1
Psychology	PSY 2012	SOC Found 2	Same as 3	Same as 3	SOC Found 2
Russian Language & Culture	RUS 2230		RUS 2230 and 2231	Same as 4	
Spanish Language	SPN 2230		SPN 2230 and 2231	Same as 4	
Spanish Literature	SPW 3100		SPW 3100 and 3201	Same as 3	
Statistics	STA 2023	MAT Found 2	Same as 3	Same as 3	MAT Found 2
Studio Art: Drawing Portfolio	ART 2300C		Same as 3	Same as 3	
Studio Art: 2-D Design Portfolio	ART 2201C		Same as 3	Same as 3	
Studio Art: 3-D Design Portfolio	ART 2203C		Same as 3	Same as 3	
United States History	AMH 1000		AMH 2010 and 2020	Same as 4	CUL & HIS Found 1 & 3
World History	WOH 2022	CUL & HIS Found 1	Same as 3	Same as 3	CUL & HIS Found 1 & 3

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

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## 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 examina-

tions. 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

Exam	Score of 4	GEP Usage	Score 5-7	GEP Usage
Biology	BSC 1005/1005L	SCI Found 2	BSC 1005/1005L and BSC 2010C	SCI Found 2
Business Management	GEB 2011		GEB 2011 and 2905	
Chemistry	CHM 1020 and 1020L	SCI Found 1	CHM 1020/1020L and CHM 2045C	SCI Found 1
Computer Science	CGS 1078	MAT Found 2	CGS 1078 and 1906	MAT Found 2
Design Technology	ETI 1410		ETI 1410 and 1906	
Economics	ECO 1000		ECO 2013 and 2023	SOC Found 1
Ecosystems and Societies	EVR 1017		EVR 1017 and 1906	
English A1	ENC 1101	COM Found 1	ENC 1101 and 1102	COM Found 1 and 2
Environmental Systems	ISC 1050	SCI Found 2	ISC 1050 and 1906	SCI Found 2
Film Studies	FIL 1001	CUL and HIS Found 2	FIL 1001 and 1002	CUL and HIS Found 2
French	FRE 1121		FRE 1121C and 2200	
Further Mathematics (Advanced Mathematics)	MHF 1202	MAT Found 1	MHF 1202 and 1209	MAT Found 1
Geography	GEA 1000		GEO 1200 and 1400	SCI Found 2
German	GER 1121		GER 1121C and 2200	SCI Found 2
History	WOH 1030	CUL & HIS Found 1	WOH 1030 and WOH 1999	CUL & HIS Found 1
Information & Information Technology for a Global Society	IDS 1906 (3 credits)		IDS 1906 (6 credits)	
Islamic History	ASH 1906 (3 credits)		ASH 1906 (6 credits)	
Latin	LAT 2230		LAT 2230 and 1906	
Math Methods	MAC 1105	MAT Found 1	MAC 1105 and 1140	MAT Found 1
Math Studies	MAT 1033		MAT 1033 and MGF 1106	MAT Found 1
Mathematics	MAC 1147	MAT Found 1	MAC 1147 and 2233	MAT Found 1
Music	MUL 2010	CUL & HIS Found 2	MUL 2010 and HUM 1906	CUL & HIS Found 2
Philosophy	PHI 2010	CUL & HIS Found 2	PHI 2010 and 1906	CUL & HIS Found 2
Physics	PHY 1020C	SCI Found 1	PHY 2053C and 2054C	SCI Found 1
Psychology	PSY 2012	SOC Found 2	PSY 2012 and 1906	SOC Found 2
Social Anthropology*	ANT 2410	SOC Found 2	ANT 2410 and 1906	SOC Found 2
Spanish	SPN 1121		SPN 1121 and 2230	
Theatre Arts	THE 2000	CUL & HIS Found 2	THE 2000 and 1906	CUL & HIS Found 2
Visual Arts	ART 1012		ART 1012 and 1906	

\*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

	Scale Score of 50 for passing	GEP Usage	Comments
Accounting, Financial	ACG 1001		
Accounting, Principles of	ACG 1001		
Algebra, College	MAC 1105	MAT Found 1	
Algebra-Trigonometry, College	MAC 2147	MAT Found 1	
American Government	POS 2041	SOC Found 1	
American Literature	AML 1000	CUL & HIS Found 2	
Biology, General	BSC 1005	SCI Found 2	
Business Law, Introduction to	BUL 1241		
Calculus	MAC 2233	MAT Found 1	
Chemistry, General	CHM 1020	SCI Found 1	
College Composition	ENC 1101 and ENC 1102		
Educational Psychology, Introduction to	EDP 1002		
English Composition with Essay	ENC 1101	COM Found 1	
English Literature	ENL 1000	CUL & HIS Found 2	
French Language	FRE 1120C		Score of 59 or higher earns FRE 1120C and 1121C
German Language	GER 1120C		Score of 60 or higher earns GER 1120C and 1121C
History of the United States I: Early Colonizations to 1877	AMH 2010	CUL & HIS Found 1 or 3	
History of the United States II: 1865 to Present	AMH 2020	CUL & HIS Found 1 or 3	
Human Growth and Development	DEP 2004		
Humanities	HUM 2250		
Information Systems and Computer Applications	CGS 1077	MAT Found 2	
Macroeconomics, Principles of	ECO 2013	SOC Found 1	
Management, Principles of	MAN 2021		
Marketing, Principles of	MAR 2011		
Mathematics, College	MGF 1106	MAT Found 1	
Microeconomics, Principles of	ECO 2023	SOC Found 1	
Precalculus	MAC 1140	MAT Found 1	
Psychology, Introductory	PSY 2012	SOC Found 2	
Sociology, Introductory	SYG 2000	SOC Found 2	
Spanish Language	SPN 1120C		Score of 63 or higher earns SPN 1120C and 1121C
Trigonometry	MAC 1114	MAT Found 1	
Western Civilization I: Ancient Near East to 1648	EUH 2000	CUL & HIS Found 1 or 3	
Western Civilization II: 1648 to Present	EUH 2001	CUL & HIS Found 1 or 3	

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

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

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

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

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

**IB Latin**

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

**College Level Examination Program (CLEP)  
(see table on previous page)**

Credit is awarded for scaled scores of 50 or higher on computer-based

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

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

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

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

### CAMBRIDGE AICE EXAMS

Exams	Passing score of "A", "B", "C", "D" or "E"	GEP Usage
Accounting (AS-Level)	ACG 1001	
Accounting (A-Level)	ACG 1001 and ACG 1906	
Art and Design (AS-Level)	ART 1906	
Art and Design (A-Level)	ART 1906 and ART 1907	
Biology (AS-Level)	BSC 1005/1005L	SCI Found 2
Biology (A-Level)	BSC 2010C and BSC 1906	SCI Found 2
Business Studies (AS-Level)	GEB 2011	
Business Studies (A-Level)	GEB 2011 and GEB 2905	
Chemistry (AS-Level)	CHM 1020/1020L	SCI Found 1
Classical Studies (AS-Level)	CLA 1010	
Chemistry (A-Level)	CHM 1020C and CHM 2045C	SCI Found 1
Computing (AS-Level)	CGS 1073	MAT Found 2
Computing (A-Level)	CGS 1073 and CGS 1074	MAT Found 2
Design & Technology (AS-Level)	ETI 1482C	
Design & Technology (A-Level)	ETI 1482C and ETI 1906	
Economics (AS-Level)	ECO 1000	
Economics (A-Level)	ECO 2013 and ECO 2023	SOC Found 1
English (AS-Level) *	ENC 1101	Found 1
English - Literature in English (A-Level) #	ENC 1101 or ENC 1102	COM Found 1 or COM Found 2
Environmental Management (AS-Level)	EVR 1001C	SCI Found 2
French Language (AS-Level)	FRE 1121	
French (A-Level)	FRE 1121 and FRE 2200	
French Literature (AS-Level)	FRW 3100	
Further Mathematics (A-Level)	MAC 2311 and MAC 2312	MAT Found 1
General Paper	IDS 1110	
Geography (AS-Level)	GEA 1000	
Geography (A-Level)	GEO 1200 and GEO 1400	SCI Found 2
German Language (AS-Level)	GER 1121	
German (A-Level)	GER 1121 and GER 2200	
History (AS-Level)	HIS 1906 (3 credits)	Subject to review by History Dept
History (A-Level)	HIS 1906 (6 credits)	Subject to review by History Dept
Latin (AS-Level)	LAT 1121C	
Marine Science (AS-Level)	OCE 1001	
Marine Science (A-Level)	OCE 1001 and OCB 1000	
Mathematics (AS-Level)	MAC 1147	MAT Found 1
Mathematics (A-Level)	MAC 2311 and MAC 1906	MAT Found 1
Music (AS-Level)	MUH 1001	
Music (A-Level)	MUH 1001 and 2011	
Physics (AS-Level)	PHY 1020C	SCI Found 1
Physics (A-Level)	PHY 2053C and 2054C	SCI Found 1
Psychology (AS-Level)	PSY 2012	SOC Found 2
Psychology (A-Level)	PSY 2012 and PSY 1906	SOC Found 2
Sociology (A-Level)	SYG 2000	SOC Found 2
Spanish Language (AS-Level)	SPN 1121	
Spanish (A-Level)	SPN 2230 and SPN 2231	
Spanish Literature (AS-Level)	SPW 3100	
Thinking Skills (AS-Level)	PHI 1103	
Thinking Skills (A-Level)	PHI 1103 and 1906	
Travel and Tourism (AS-Level)	HFT 1000	
Travel and Tourism (A-Level)	HFT 1000 and 1906	

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

## Academic Regulations and Procedures

### CLEP Language Examinations

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

### Credit by Examination

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

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

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

### DANTES Examination Credit (see table below)

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

### Excelsior College Examinations (see table below)

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

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

Exam	Course Number	GEP Usage	Passing Grade Credit
Art of the Western World	ARH 2000		48
Astronomy	AST 2002		48
Business Law II	BUL 2242		44
Business Math	QMB 1001		48
Criminal Justice	CCJ 1000		49
Environment and Humanity	EVR 1017		46
Ethics in America	PHI1630		46
Fundamentals of College Algebra	MAT 1033		47
Foundations of Education	EDF 1002		46
Fundamentals of Counseling	PCO 1202		45
General Anthropology	ANT 2000	SOC Found 2	47
Here's to Your Health	HSC 1100		48
History of the Vietnam War	AMH 2059		44
Human Resources Management	MAN 1300		46
Human/Cultural Geography	GEO 1400		48
Intro to Computing	CGS 1060	MAT Found 2	45
Intro to the Modern Middle East	ASH 2044		47
Intro to World Religions	REL 2300	CUL and HIST Found 2	48
Introduction to Business	GEA 2011		46
Introduction to Law Enforcement	CCJ 1100		45
Lifespan Developmental Psychology	DEP 2004		46
Management Information Systems	ISM 1000		46
Money and Banking	BAN 1501		48
Organizational Behavior	INP 1002		48
Personal Finance	FIN 1100		46
Physical Geology	GLY 1000	SCI Found 2	46
Principles of Finance	FIN 1000		46
Principles of Financial Accounting	ACG 1001		47
Principles of Physical Science I	PSC 1121	SCI Found 1	47
Principles of Public Speaking	SPC 1600	COM Found 3	47
Principles of Statistics	STA 2014	MAT Found 2	48
Principles of Supervision	MNA 1345		46
Rise and Fall of the Soviet Union	EUH 1066		45
Technical Writing	ENC 2210		46
The Civil War and Reconstruction	AMH 1056		47

### EXCELSIOR COLLEGE EXAMINATIONS TABLE

Exam Title	Course Number (3 credits per course )	GEP Usage	Passing Grade Credit
Abnormal Psychology	CLP 1140		45
English Composition	ENC 1101	COM Found 1	40
Ethics: Theory and Practice	PHI 1630		46
Foundations of Gerontology	GEY 1000		46
Human Resources Management	MAN 1300		44
Life Span Developmental Psychology	DEP 2004		45
Microbiology	MCB 1000		45
Psychology of Adulthood and Aging	DEP 1401		45

# UNDERGRADUATE DEGREE REQUIREMENTS

## 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;
- Fulfill the CLAS requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

## Degrees Awarded Posthumously

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

## Choice of Catalog (Catalog Year) and Continuous Enrollment

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

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

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

## General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP

curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as "Alternate Courses: General Education Program." Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate "General Education Requirements Met" upon written request, if they have completed UCF's GEP requirements 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

<b>A. Communication Foundation</b> ..... 9 hours	
1. ENC 1101	Composition I <sup>1, 2</sup> ..... 3(3.0)
2. ENC 1102	Composition II PR: ENC 1101 <sup>1, 2</sup> ..... 3(3.0)
3. SPC 1608	Fundamentals of Oral Communication..... 3(3.0)
SPC 1603	Fundamentals of Technical Presentation..... 3(3.0)
COM 1000	Introduction to Communication..... 3(3.0)
<b>B. Cultural and Historical Foundation</b> ..... 9 hours	
1. EUH 2000	Western Civilization I <sup>2</sup> ..... 3(3.0)
EUH 2001	Western Civilization II <sup>2</sup> ..... 3(3.0)
HUM 2210	Humanistic Tradition I <sup>2</sup> ..... 3(3.0)
HUM 2230	Humanistic Tradition II <sup>2</sup> ..... 3(3.0)
AMH 2010	U.S. History: 1492-1877 <sup>2</sup> ..... 3(3.0)
AMH 2020	U.S. History: 1877-present <sup>2</sup> ..... 3(3.0)
WOH 2012	World Civilization I <sup>2</sup> ..... 3(3.0)
WOH 2022	World Civilization II <sup>2</sup> ..... 3(3.0)
2. ARH 2050	History of Western Art I..... 3(3.0)
ARH 2051	History of Western Art II..... 3(3.0)
MUL 2010	Enjoyment of Music..... 3(3.0)
THE 2000	Theatre Survey..... 3(3.0)
FIL 1000	Cinema Survey..... 3(3.0)
REL 2300	World Religions..... 3(3.0)
PHI 2010	Introduction to Philosophy..... 3(3.0)
LIT 2110	World Literature I PR: ENC 1102 <sup>2</sup> ..... 3(3.0)
LIT 2120	World Literature II PR: ENC 1102 <sup>2</sup> ..... 3(3.0)
3.	Take one additional course from either B1 or B2.
<b>C. Mathematical Foundation</b> ..... 6 hours	
1. MAC 1105	College Algebra <sup>2</sup> ..... 3(3.0)
MGF 1106	Finite Mathematics <sup>2</sup> ..... 3(3.0)
2. CGS 1060C	Introduction to Computer Science <sup>2</sup> ..... 3(3.0)
STA 1060C	Basic Statistics using Microsoft Excel <sup>2</sup> ..... 3(3.0)
STA 2014C	Principles of Statistics <sup>2</sup> ..... 3(3.0)
<b>D. Social Foundation</b> ..... 6 hours	
1. ECO 2013	Principles of Macroeconomics..... 3(3.0)
ECO 2023	Principles of Microeconomics..... 3(3.0)
POS 2041	American National Government..... 3(3.0)
2. PSY 2012	Introduction to Psychological Science..... 3(3.0)
SYG 2000	Introduction to Sociology..... 3(3.0)
ANT 2000	General Anthropology..... 3(3.0)
<b>E. Science Foundation</b> ..... 6 hours	
1. AST 2002	Astronomy..... 3(3.0)
PSC 1121*	Physical Science PR: MAC 1105 or MGF 1106..... 3(3.0)
PHY 2053C	College Physics I: MAC 1105 and MAC 1114..... 4(3.3)
CHM 1020	Concepts in Chemistry PR: High School Algebra..... 3(3.0)
2. BSC 1005*	Biological Principles..... 3(3.0)
BSC 1050*	Biology and Environment..... 3(3.0)
GLY 1030	Geology & Its Applications..... 3(3.0)
GEO 1200*	Physical Geography..... 3(3.0)
ANT 2511	The Human Species..... 3(3.0)
MCB 1310	Intro to Biotechnology and Genetic Engineering..... 3(3.0)

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

<sup>1</sup>A grade of "C-" (1.75) or better is required in this course.

<sup>2</sup>A grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

- Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

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

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University's General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a suffi-

cient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conducted is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University's computer network and for the student online access through myUCF at <https://my.ucf.edu>. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

### Alternate Courses: General Education Program

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

GEP Requirement	Acceptable Substitutions
MAC 1105 (College Algebra) <sup>1</sup>	MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313
MGF 1106 (Finite Mathematics)	MGF 1107
PHY 2053C (Physics)	PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015C
CHM 1020 (Chemistry)	CHM 2045C, CHM 1032, CHS 1440, CHM 2040C & CHM 2041C
BSC 1005 or BSC 1050 (Biology)	BSC 2010C
GEO 1200 (Geography)	GEO 2370
CGS 1060C (Intro to Computer) <sup>1</sup>	CGS 2100C, COP 2500C, COP 3502C, COT 3100C
STA 2014C (Statistics)	STA 2023, STA 3032
THE 2000 (Theatre)	THE 2020
FIL 1000 (Cinema Survey)	FIL 2030, FIL 3036, FIL 3037
MUL 2010 (Enjoyment of Music)	MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720

<sup>1</sup>For all of the acceptable substitutions in this GEP requirement, a grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

### Diversity Requirement

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

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

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

### Education Courses:

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

### Other Courses:

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

# Undergraduate Degree Requirements

AML 3283	Contemporary American Women's Fiction
AML 3615	Harlem, Haiti, and Havana
ANT 3245	Native American Religions
ASH 4304	Women China
CCJ 4129	Cultural Diversity in Criminal Justice
CCJ 4670	Women and Crime
CJE 4174	Comparative Justice Systems
COM 4014	Gender Issues in Communication
COM 4461	Intercultural Communication
CPO 3034	Politics of Developing Areas
EDG 2085	Teaching Diverse Populations
GEO 3471	World Political Geography
JST 3401	History of the Jewish People I
JST 3402	History of the Jewish People II
LIN 4643	Cross Cultural Communication
LIN 4615	African-American Styles of Communication
AML 3682	Ethnic Literature in America
LIT 3192	Caribbean Literature
MMC 4300	International Media
MUL 2720	Music of the World
NUR 3805	Transitional Concepts in Nursing I
PAD 4446	Multiculturalism in Public Administration
PLA 4020	Law and Society
PLA 4830	World Legal Systems
PLA 4472	Employment Discrimination Law
POS 3627	Cultural Pluralism and Law
PUP 3325	Women and Politics
POS4622	Politics and Civil Rights
PUP 3314	Minority Politics
PUP 4204	Sustainability
SOW 3620	Social Work with Minorities
SPW 4772	Black Presence in Contemporary Latin America
SYD 3800	Sex Roles in Modern Society
SYP 4732	Minority Aging
THE 3230	Commonality within Cultural Diversity Experienced through Theater
WST 3561	Third Wave Feminism
WST 3015	Introduction to Women's Studies

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

## Exit Exams

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

## Foreign Language Proficiency Requirement (Bachelor of Arts Degree)

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

### Placement in Language Courses

- Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.
- Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Several departments, colleges, and schools have additional requirements. See "Special College and/or Departmental Requirements" within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout

each term. Students must register in advance with that office to take the examination (PH 106).

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

## American Sign Language

Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 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:

<b>Gordon Rule Requirement:</b>	<b>GEP Courses Which Satisfy:</b>
1. Six hours of mathematics at the level of college algebra or higher	(1) College algebra or finite math (2) Statistics or computer science

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

2. Six hours of English coursework and six hours of additional college level writing	(1) Six hours of English Composition (2) Specifically identified courses and those from the following list:
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### 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 US History: 1492 - 1877
AMH 3402	History of the South to 1865
AMH 3403	History of the South Since 1865
AMH 3441	History of the Frontier: Eastern America
AMH 3442	History of the Frontier: Western America
AMH 3541	U. S. Military History To 1900
AMH 3561	Women in American History I
AMH 3571	Black American History I
AMH 3800	Canadian History
AMH 4110	Colonial America, 1607-1763
AMH 4130	The Age of the American Revolution, 1763-1789
AMH 4160	Jacksonian America
AMH 4201	The Gilded Age and Progressivism
AMH 4270	United States History: 1939-1960
AML 3031	American Literature I
AML 3041	American Literature II
AML 3283	Contemporary American Women's Fiction
AML 3286	Early American Women's Words
AML 3614	Topics in African-American Literature

# Undergraduate Degree Requirements

AML 3615	Harlem, Haiti, and Havana	LIT 3082	Continental European Fiction Since 1900
AML 3643	Contemporary American Prose and Poetry	LIT 3192	Caribbean Literature
AML 3682	Ethnic Literature in America	LIT 3192H	Honors Caribbean Literature
AML 3682H	Honors Ethnic Literature in America	LIT 3313	Science Fiction Literature
AML 4101	American Novel	LIT 3313H	Honors Science Fiction Literature
AML 4153	American Poetry at Mid-Century	LIT 3381	Women Writers of Color
AML 4155	Modern American Poetry	LIT 3383	Women in Literature
AML 4261	Literature of the South	LIT 3383H	Honors Women in Literature
AML 4265	Florida Writers	LIT 3394	Literature of AIDS
AML 4300	Major American Authors	LIT 3394H	Honors Literature of AIDS
AML 4304	Whitman and His Heirs	LIT 3482	Literature and Popular Culture
AML 4321	Modern American Literature	LIT 3823	Hispanic Women Writers
AML 4630	Latino/Latina Literature	LIT 4043	Modern Drama as Literature
ANT 3163	Mesoamerican Archaeology	LIT 4244	World Authors
ARH 4450	20th Century Art	LIT 4303	Post-World War II Fiction
ARH 4800	Theory and Criticism of the Visual Arts	LIT 4374	Literature of the Bible
EAS 4700C	Aerospace Design I	LIT 4374H	Honors Literature of the Bible
EGN 4412C	Interdisciplinary Design I	LIT 4433	Literature of Science and Technology
EML 4501C	Engineering Design I	LIT 4554	Advanced Feminist Theories
ENC 1101H	Honors Freshman Composition I	PAD 3733	Professional Administrative Writing in the Public Sector
ENC 1102H	Honors Freshman Composition II	PAD 4034	The Administration of Public Policy
ENC 3241	Writing for the Technical Professional	PHH 3100	Ancient Philosophy
ENC 3241H	Honors Writing for the Technical Professional	PHH 3200	Medieval Philosophy
ENC 3250	Professional Writing	PHH 3460	Modern Western Philosophy
ENC 3310	Magazine Writing I	PHH 3700	American Philosophy
ENC 3311	Advanced Expository Writing	PHI 3083	Research Methods in Philosophy
ENC 4215	Technical Publication and Project Management	PHI 3323	Minds and Machines: Philosophy of Cognitive Science
ENC 4218	The Visual in Technical Documentation	PHI 3451	Philosophy of Psychology
ENC 4262	International Technical Communication	PHI 3670	Ethical Theory
ENC 4265	Writing for the Computer Industry	PHI 3800	Aesthetics
ENC 4280	Technical Writing Style	PHI 3805	Contemporary Aesthetics
ENC 4290	Usability Testing for Technical Communication	PHI 4221	Philosophy of Language
ENC 4293	Documentation and the Collaborative Process	PHI 4321	Philosophies of Embodiment: Mind/Body/Self
ENC 4294	Documentation and Client-Based Collaboration	PHI 4500	Metaphysics
ENC 4313	Research Writing	PHI 4804	Critical Theory
ENC 4360	Nature Writing	PHI 4931	Philosophy in the News
ENC 4414	Writing and Hypertext	PHM 3401	Philosophy of Law
ENG 3010	Practical Criticism	PHP 4782	Phenomenology
ENG 3014	Theories and Techniques of Literature Study	PLA 3155	Legal Writing
ENG 3073	Cultural Studies Literature	PLA 4935	Capstone: Legal Issues
ENG 4114	Literature and Film	REL 3131	Religion in America
ENG 4614	Discourse of Global Culture Studies	REL 3432	Roots of Western Mysticism
ENL 2012	English Literature I	RTV 4403	Electronic Media, Technology, and Society
ENL 2022	English Literature II	THE 2081C	Introduction to UCF Theatre
ENL 4101	English Novel	THE 2304	Script Analysis
ENL 4220	English Renaissance Poetry and Prose	TPP 3310C	Directing for Theatre I
ENL 4230	18th Century Studies	TPP 4940L	Theatre Internship
ENL 4240	English Romantic Writers	WOH 2012H	Honors World Civilization I
ENL 4253	The Victorian Age: Poetry		
ENL 4262	Nineteenth Century British Prose		
ENL 4303	British Authors		
ENL 4311	Chaucer		
ENL 4333	Shakespeare Studies		
EUH 2000H	Honors Western Civilization I		
EUH 3122	Medieval Society and Civilization		
EUH 3142	Renaissance and Reformation		
EUH 3242	Modern Europe and the First World War		
EUH 3281	Second World War and Rebirth of Europe		
EUH 3451	History of Modern France		
EUH 4284	Fascism and the Totalitarian Dictatorships		
EUH 4465	Hitler's Third Reich		
EUH 4500	English History to 1485		
EUH 4501	English History: 1485-1815		
EUH 4502	British History: 1815-Present		
EUH 4571	History of Russia to 1801		
EUH 4574	History of Russia: 1801-1917		
EUH 4576	History of Russia in the 20th Century		
EUH 4620	European Great Powers: 1815-1914		
HIS 4150	History and Historians		
HUM 2210H	Honors Humanistic Tradition I		
HUM 3320	Contemporary Multicultural Studies		
HUM 3394	Representations of Place and Space		
HUM 3401	Asian Humanities		
HUM 3431	Ancient Humanities		
HUM 3460	Latin American Humanities		
HUM 3553	Moses, Jesus and Muhammad		
JOU 2100C	News Reporting		
JOU 3101	Advanced Reporting		
JOU 4181	Public Affairs Reporting		
JOU 4300	Feature Writing		
JOU 4306C	Critical Writing		
JOU 4308	Freelance Writing		
LAH 3200	Latin American History II		
LAH 3400	History of Mexico and Central America		
LAH 3470	History of the Caribbean		

## College Level Academic Skills (CLAS) Requirement

The College Level Academic Skills (CLAS) requirement is part of Florida's system of educational accountability that measures a student's attainment of the college-level communication and mathematics skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

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

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

- Achieving a score that meets or exceeds a minimum required score on the CLAST exam prior to July 1, 2009
- Achieving a score that meets or exceeds a minimum score on a nationally standardized exam (SAT and ACT)
- Achieving a 2.5 GPA in applicable coursework

**SAT Scores:** A student who scores 500 or above on the quantitative section of the SAT is exempt from the Math section. A student who scores 500 or above on the verbal section of the SAT is exempt from the Essay, English Language Skills, and Reading sections.

**ACT Scores:** A student who earns a score of 21 or above on the Math section of the ACT is exempt from the Math section. A student



who earns a score of 22 or above on the Reading section of the ACT is exempt from the Reading section of the CLAS requirement. A student who earns a score of 21 or above on the English section is exempt from the English Language Skills and Essay sections.

#### Coursework

- Students must earn a **2.5 GPA** in a minimum of **6 credit hours** in a combination of at least one (1) course with the ENC prefix and any other course, except those with the SPC prefix, that is designated as a "Gordon Rule" writing course in order to be exempt from the Essay, English Language Skills, and Reading sections of the CLAS requirement. (Refer to the Undergraduate Catalog for a complete list of Gordon Rule courses.)
- Students must have a **2.5 GPA** in a minimum of **6 credit hours** in any combination of two (2) applicable math courses, including any Gordon Rule Statistics course in order to be exempt from the Math section of the CLAS requirement. (Refer to the UTC website at <http://www.testing.sdes.ucf.edu/clasoptions.php> for a complete list of applicable math courses. Refer to the *Undergraduate Catalog* for a complete list of Gordon Rule courses.)

**Students must complete the CLAS requirement prior to the end of their sophomore year in college.** An appeal to temporarily remove the CLAS hold and continue enrollment in upper division courses may be submitted to the CLAS Requirement Petition Committee (PH 106). In order to be eligible to apply for the petition you must meet one or more conditions. Academic advising offices can answer questions students may have regarding the CLAS Requirement. **There are several methods by which students may meet this requirement, but applicants for teacher certification must check with the College of Education in order to determine what requirement you need to meet.** Additional information regarding the CLAS requirement may be obtained from the University Testing Center (PH 106) or online at <http://www.testing.sdes.ucf.edu>.

**Students with 60 or more credit hours** who have not met the CLAS requirement may experience **delayed course registration**. Students who have not met the CLAS requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be **prohibited from registering** until the requirement is met.

**Transfer Students** with 60 or more credit hours who have not met the CLAS requirement may be admitted, but must take the ACT or SAT during their first semester at UCF. Transfer students with 60 or more credit hours may experience **delayed course registration**. Transfer students who have not met the CLAS Requirement by the time they have reached 36 hours or more of upper division credit including earned, in progress, or registered for in future terms will be **prohibited from registering** until the requirement is met.

#### CLAS Waiver

The State Board of Education and the Florida Statutes permit an institution president, under certain conditions, to grant a waiver for one or more sections of the CLAS requirement. Those who are unable to satisfy the CLAS requirement due to disability can request that a section be waived. The student must be registered with Student Disability Services (FC 132) and have on file documentation of his/her disability. The CLAS Waiver Committee reviews all requests for waivers on a case-by-case basis. For disability registration information, contact Student Disability Services at 407-823-2371. To obtain information about the CLAS requirement Waiver, please visit the Student Development and Enrollment Services CLAS Waiver website at <http://www.claswaiver.sdes.ucf.edu>. UTC is not responsible for the CLAS requirement Waiver process.

### Summer Attendance Requirement

A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Credit earned by acceleration mechanisms also applies toward satisfaction of the Summer Attendance Requirement. Petition forms for exemption are available from Academic Services (MH 210).

### Admission to the Upper Division

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

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

### Graduation Application Deadline

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

Successful completion of the degree requirements stated in the *Undergraduate Catalog* under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at 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 e-mail). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

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

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext 200; E-mail: [learn@nervm.nerdc.ufl.edu](mailto: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. One diploma will be awarded with both majors indicated. Students earning a double major must use the same Catalog year for both majors.

### Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

## Undergraduate Degree Requirements

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

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

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree

from regionally accredited U.S. institutions are considered to have completed CLAST, Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Catalog.

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



# ACADEMIC DEGREES, MAJORS AND MINORS

## Associate of Arts Degree

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

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

## Baccalaureate Degrees

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

### College of Arts and Humanities

Bachelor of Arts (B.A.)

*Majors:* Art, Digital Media, English, Film, French, History, Humanities, Latin American Studies, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre Studies

Bachelor of Design (B.Des.)

*Major:* Architecture

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

*Majors:* Art, Film, Theatre

Bachelor of Music (B.M.)

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

Bachelor of Science (B.S.)

*Majors:* Photography

### College of Business Administration

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

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

Bachelor of Arts (B.A.)

*Major:* Economics

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

### College of Education

Bachelor of Science (B.S.)

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

### College of Engineering and Computer Science

Bachelor of Science (B.S.)

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

### College of Health and Public Affairs

Bachelor of Arts (B.A.)

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

Bachelor of Science (B.S.)

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

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

*Major:* Social Work

### College of Medicine

#### Burnett School of Biomedical Sciences

Bachelor of Science (B.S.)

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

### College of Nursing

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

*Major:* Nursing

### College of Sciences

Bachelor of Arts (B.A.)

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

Bachelor of Science (B.S.)

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

### Rosen College of Hospitality Management

Bachelor of Science (B.S.)

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

### Office of Undergraduate Studies

Bachelor of Applied Science (B.A.S.)

(Regional campuses only)

Bachelor of Arts (B.A.)

*Major:* Interdisciplinary Studies

Bachelor of Science (B.S.)

*Major:* Interdisciplinary Studies

## Academic Degrees, Majors and Minors

### Academic Minors by College

College Awarding Minor	Name of Minor	College Awarding Minor	Name of Minor
College of Arts and Humanities	African American Studies, American Studies, Art - Studio, Art History, Asian Studies, Cognitive Sciences, Community Arts - PAVE, Dance, Digital Media, English - Creative Writing, English - Linguistics, English - Literature, English - Technical Communication, Film - Cinema Studies, French, German, History, Humanities, Italian, Judaic Studies, Latin American Area Studies, Medieval and Renaissance Studies, Middle Eastern Studies, Music, Performing Arts Administration, Philosophy, Philosophy, Religion and Popular Culture, Religious Studies, Spanish, Theatre, Women's Studies, Writing and Rhetoric	College of Sciences	Actural Science, Anthropology, Anthropology in Multicultural Studies, Astronomy, Biology, Chemistry, Crime, Law, and Deviance, Diversity and Social Inequality, European Studies, International and Global Studies, Interpersonal/Organizational Communication, Journalism Studies, Magazine Journalism, Mass Communication, Mass Culture and Collective Behavior, Mathematics, Medical Anthropology, Medical Sociology, North American Indian Studies, Physics, Political Science, Political Science/Prelaw, Psychology, Sociology, Statistics
College of Business Administration	Accounting, Business, Economic Policy, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship	Rosen College of Hospitality Management	Hospitality Management
College of Education	Coaching, Early Childhood Development and Education, Education, English Language Arts Education, Exceptional Education, Fitness Training, Foreign Language Education, Mathematics Education, Recreation, Science Education, Social Science Education, Technical Education and Industry Training	Office of Undergraduate Studies	Environmental Studies, Leadership Studies, World Comparative Studies
College of Engineering and Computer Science	Aerospace Studies, Bioengineering, Computer Science, Energy and Sustainability, Engineering Leadership, Information Technology, Intelligent Robotic Systems - Interdisciplinary, Interdisciplinary Informatics Technology, International Engineering, Military Science, Secure Computing and Networks	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.	
College of Health and Public Affairs	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/American Humanics National Certification Program, Public Administration, Urban and Regional Planning	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.	
College of Medicine Burnett School of Biomedical Sciences	Biomedical Sciences	<b>Graduate Programs</b> 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 <i>Graduate Catalog</i> , <a href="http://www.graduate.ucf.edu/catalog/">http://www.graduate.ucf.edu/catalog/</a> .	

# THE BURNETT HONORS COLLEGE



## **The Burnett Honors College**

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

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

Committed to diversity in both the composition of its student body and the programs that it supports, The Burnett Honors College (TBHC) at UCF provides a challenging and exciting educational experience to academically talented students. TBHC combines the atmosphere of

a small liberal arts college with the intellectual stimulation of a large metropolitan research university. Honors students receive an education that prepares them to enter the best graduate and professional schools as well as pursue distinguished careers.

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

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

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

## University Honors

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

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

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

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 Lower-division Upper-division Major

IDH 1920H 4 courses See requirements by College<sup>3</sup>

The current upper-division<sup>3</sup> 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<sup>3</sup>
2. Complete two Honors upper-division courses or Interdisciplinary Seminars<sup>3</sup>

#### ■ University Honors Upper-Division Program Requirements: College of Business Administration (excluding Economics (B.A.))

1. Complete one Honors Interdisciplinary Seminar<sup>3</sup>
2. Complete two Honors upper-division Business courses
  - BUL 3130H Legal and Ethical Envir't of Business
  - GEB 3356H Introduction to International Business
  - MAR 3023H Marketing
  - FIN 3403H Business Finance
  - MAN 3025H Management of Organizations
  - MAR 3391H Professional Selling

Note: Please refer to the "UCF Courses and Descriptions" section of this Undergraduate Catalog for information on direct prerequisites for the above courses.

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

#### ■ University Honors Upper-Division Program Requirements: College of Engineering and Computer Science (Excluding Computer Science and Information Technology majors)

1. Complete one Honors Interdisciplinary Seminar<sup>3</sup>
2. Complete two Honors upper-division Engineering courses
  - STA 3032H Probability and Statistics for Engineers
  - EGN 3310H Engineering Analysis-Statics
  - EGN 3321H Engineering Analysis-Dynamics
  - EGN 3373H Principles of Electrical Engineering
  - EEL 4818H Machine Learning I
  - EEL 4817H Machine Learning II

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

#### ■ University Honors Upper-Division Program Requirements: Computer Science majors

1. Complete one Honors Interdisciplinary Seminar<sup>3</sup>
2. 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 an Honors advisor to find out when these courses are being offered.

#### ■ University Honors Upper-Division Program Requirements: College of Medicine (excluding Medical Laboratory Sciences majors)

1. Complete one Honors Interdisciplinary Seminar<sup>3</sup>
2. Complete two of the following Honors upper-division courses
  - BSC 3403H Quantitative Biological Methods
  - MCB 3020H Microbiology
  - ZOO 3733H Human Anatomy
  - PCB 3703H Human Physiology
  - PCB 3733H Molecular Biology II
  - ZOO 4704H Clinical Neuroanatomy

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

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

<sup>2</sup> Honors 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. Freshman Honors Symposium also includes a Service Learning component.

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

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

#### Acceptable Waivers

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

#### Notes

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

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

## Honors in the Major

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

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

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

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

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

### Student-Mentor Academic Research Teams

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

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

### Office of Prestigious Awards

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

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



# COLLEGE OF ARTS AND HUMANITIES



## College of Arts and Humanities

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

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

The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, Theatre, and Writing & Rhetoric. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women's Studies, and Middle Eastern Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in art, architecture, and digital media.

In keeping with the aims of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the online *Graduate Catalog*.

In addition to providing academically strong degree programs in the

areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University's General Education program.

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

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



## Preprofessional Programs

### Prelaw Program

*Prelaw Advisor:* Jennifer Mundale  
CNH 411L; 407-823-5076

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

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

## Advisement

### CAH Student Advising (CAHSA)

*Director:* Delia Garcia  
CNH 201; 407-823-3312  
E-mail: [cahsa@mail.ucf.edu](mailto:cahsa@mail.ucf.edu)  
<http://www.cah.ucf.edu/students/advising.php>

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

### Program Planning

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

## Area Studies Programs

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

**African American Studies** - Contact: TBA; 407-823-0026

**American Studies** - Contact: Lyman Brodie; 407-823-2251

**Asian Studies** - Contact: Paul Giordano; 407-823-2472

**Judaic Studies** - Contact: Moshe Pelli; 407-823-5039

**Latin American, Caribbean and Latino/a Studies** -

Contact: José Maunez-Cuadra; 407-823-1173

**Middle Eastern Studies** - Contact: Hakan Ozoglu; 407-823-2225

## International Study Centers

### Undergraduate Inter-institutional Transient Program

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

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

## Programs, Tracks, and Degrees

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

## Departments and Programs

### African-American Studies: Program

*Program Director:* JoAnne Stephenson  
CNH 411; 407-823-0026  
<http://www.aas.cah.ucf.edu>

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

**Degrees:** None

**Tracks:** None

**Minors:** African-American Studies

## American Studies: Program

Contact: Lyman Brodie  
CAH 190; 407-823-2292

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from literature, humanities, social sciences and history.

**Degrees:** None  
**Tracks:** None  
**Minors:** American Studies

## Asian Studies: Program

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

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, english, foreign languages, history, humanities, philosophy, political science).

**Degrees:** None  
**Tracks:** None  
**Minors:** Asian Studies

## Community Arts—PAVE: Program

Program Director: Janki Maraj  
VAB 117; 407-823-3145

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

**Degrees:** None  
**Tracks:** None  
**Minors:** Community Arts

## Department of English

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

**Faculty:** Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Grajeda, Hasanat, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Oliver, Pugh, Rodriguez-Milanes, Roney, Rushin, Saper, Schell, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, 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),  
Texts & Technology (Ph.D.)  
**Tracks:** Literature, Creative Writing, Technical Communication  
**Minors:** Creative Writing, Literature, Linguistics, Medieval/  
Renaissance, Technical Communication

## Department of Film

Interim Chair: Steve Schlow  
COM 121; 407-823-0694  
E-mail: film@ucf.edu  
<http://www.film.cah.ucf.edu>

**Faculty:** Cook, Finch, Gerstein, Harris, Ingle, Jones, Major, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe

Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student's creative voice, appreciation and understanding of the medium. There are two programs: The BFA in

production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies BA is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.

Students are selected for the limited access BFA by submitting an application form and creative portfolio by December 15. Complete information on faculty, curriculum, and admission requirements is available on the department website. Because this is a limited access program, students should pay close attention to the program admission requirements and check with the Department or website frequently.

**Degrees:** Film (BFA, MFA) Cinema Studies (BA)  
**Minors:** Film-Cinema Studies (BA)

## Department of History

Chair: Rosalind Beiler  
CNH 505A; 407-823-5450  
E-mail: history@ucf.edu  
<http://www.history.cah.ucf.edu>

**Faculty:** Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, Gannon, Gordon, Graham, Head, Herlihy, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O'Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner

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

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

The Department participates in the programs in Women's Studies, American Studies, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.

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

## Judaic Studies: Program

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

**Faculty:** Hanson, Pelli

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

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or

Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

**Degrees:** None

**Tracks:** None

**Minors:** Judaic Studies, Certificate

## Latin American, Caribbean, and Latino Studies

*Program Director:* José Maunez-Cuadra

CNH 201; 407-823-1173

E-mail: [jmaunez@pegasus.cc.ucf.edu](mailto:jmaunez@pegasus.cc.ucf.edu)

<http://www.lacls.cah.ucf.edu>

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

**Degrees:** Latin American Studies (BA)

**Tracks:** None

**Minors:** Latin American Studies

## Middle Eastern Studies: Program

*Program Director:* Husain Kassim

CNH 411J; 407-823-2803

E-mail: [kassim@mail.ucf.edu](mailto:kassim@mail.ucf.edu)

*Advisory Board Co-Chairs:* John C. Bersia; Janan Smither

<http://www.middleeasternstudies.cah.ucf.edu>

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (modern languages, history, humanities, Judaic studies, philosophy and political science).

**Degrees:** None

**Tracks:** None

**Minors:** Middle Eastern Studies

## Department of Modern Languages and Literatures

*Chair:* Paul Giordano

CNH 523; 407-823-2472

E-mail: [foreignlanguages@ucf.edu](mailto:foreignlanguages@ucf.edu)

<http://www.mll.cah.ucf.edu>

*Faculty:* Barone, Bougeois-Serrano, Cordeiro-Rosa, Fabery, Farcam, Fernandez, Folse, Garcia, Giordano, Gonzalez, Joo, Korosy, Leticce, Lopez, Ludwig, Mazzuchelli, Mihai, Montalvo, Nalbore, Negy, Pomerleau, Prucha, Purmensky, Redmon, Spina, Stebbins, Tartt, Thompson, Trinquet, Velez-Soto, Villanueva-Ghelfa, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

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

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

**Degrees:** French (BA), Spanish (BA, MA),  
Modern Language Combination (BA), TESOL (MA)

**Tracks:** None

**Minors:** French, German, Italian, Spanish, TEFL (certificate)

## Department of Music

*Chair:* Jeffrey Moore

CNH 205; 407-823-2879; Fax: 407-823-3378

E-mail: [music@ucf.edu](mailto:music@ucf.edu)

<http://www.music.cah.ucf.edu>

*Faculty:* Allen, Almeida, Anderson, Boukobza, Brodie, Brunner, Danielson, Garcia, Gay, Holcomb, Hunt, Koons, Marosi, Moore, Pherigo, Pickering, Potter, Rupert, Scharron, Stephenson, Thornton, Warfield, Weremchuk, Yonetani; *Part-Time Faculty:* Bagley, Hawkins, Hill, Hsu, Randall, Robertson, Titus; Faculty Emeriti: Whisler, Wolf

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

**Degrees:** Music (BA, MA),  
Music Education (BME),  
Music Performance (BM)

**Tracks:** Music Performance, Composition

**Minors:** Music, Performing Arts Administration

## Department of Philosophy

*Chair:* Bruce Janz

PSY 220; 407-823-4416

E-mail: [philosophy@ucf.edu](mailto:philosophy@ucf.edu)

<http://www.philosophy.cah.ucf.edu>

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

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

**Degrees:** Philosophy (BA), Religious Studies (BA), Humanities (BA),  
Humanities - Philosophy, Religion and Popular Culture (BA)

**Tracks:** Regular and Honors

**Minors:** Cognitive Sciences; Humanities; Philosophy;  
Philosophy, Religion & Popular Culture; Religious Studies

## Department of Theatre

*Chair:* Christopher Niess

UTC 111; 407-823-2862

E-mail: [theatre@ucf.edu](mailto:theatre@ucf.edu)

<http://www.theatre.cah.ucf.edu>

*Faculty:* Alrutz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaixiang, Ingram, Lartonoix, Lee, Listengarten, McDonald, Niess, Perry, Rusnock, Scott, Seay, Shafer, Siegfried, Smith, St. Claire, Tollefson, Weaver, Wood, Wootton; Professor Emeritus: Smith

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts

## College of Arts and Humanities

and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

**Degrees:** Theatre (BA, BFA, MA, MFA)

**Tracks:** Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies

**Minors:** Dance, Theatre

### Department of Writing and Rhetoric

*Chair:* David L. Wallace  
CNH 3071; 407-823-0576  
E-mail: [writingandrhetoric@mail.ucf.edu](mailto:writingandrhetoric@mail.ucf.edu)  
<http://writingandrhetoric.cah.ucf.edu>

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

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

**Degrees:** Rhetoric and Composition (MA)

**Tracks:** None

**Minors:** Writing and Rhetoric, Public and Professional Writing (certificate), Professional Writing (Graduate certificate)

## School of Visual Arts and Design

*Interim Director:* Paul Lartonoix  
VAB 117; 407-823-2676  
E-mail: [svad@mail.ucf.edu](mailto:svad@mail.ucf.edu)  
<http://www.svad.ucf.edu>

*Faculty:* Adams, Abbas, Abraham, Ahearn, Burrell, Cabrera, Cabrera, Chavda, Colon-Mendoza, Cooper, Croft, Dombrowski, Francis, Frederick, Friskics, Gaudnek, Hadrika, Hall, Haran, Haxton, Hughes, Isenhour, Jeronimo, Kenny, Kim, Kim, S.J., Kovach, Lenz, Lindgren, Lotz, Martin, Maunez-Cuadra, McDaniel, McPeck, Moshell, Novatnak, Peters, Poindexter, Price, Ramundo-Ortiz, Reedy, Rivers, Robinson, Santana, Smith, Spencer, Sung, Theen, Underberg, Wyatt, Zaho, Zhu



The School of Visual Arts and Design combines traditional studio arts, design, and art history with emerging media concepts that are the foundation of animation, game and interactive design. The traditional art forms of painting, drawing, photography, ceramics and sculpture continue to supply core skills necessary to pursue professional careers in both new and traditional media occupations. When these skills are integrated with interactive design principles and programming, students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

**Degrees:** Architecture (BD), Art (BA, BFA, MFA), Digital Media (BA, MA)

**Tracks:** Art History, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

**Minors:** Art History, Digital Media, Studio Art

### Women's Studies: Program

*Program Director:* M.C. Santana  
CNH 411; 407-823-6502  
E-mail: [womenst@ucf.edu](mailto:womenst@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.oas.ucf.edu/alc/alc\\_students\\_cahum.htm](http://www.oas.ucf.edu/alc/alc_students_cahum.htm)

# COLLEGE OF BUSINESS ADMINISTRATION



## College of Business Administration

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

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

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

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

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

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

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

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

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

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

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of "C" (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

**BE 2020**

**UCF Business. . . the Best Undergraduate Business Education in Florida.** In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity. Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

- GEB 3031 Cornerstone
- GEB 3356 Introduction to International Business
- BUL 3130 Legal and Ethical Environments of Business
- ECO 3411 Quantitative Business Tools II
- FIN 3403 Business Finance
- MAN 3025 Management of Organizations
- MAR 3203 Supply Chain Management
- MAR 3023 Marketing
- MAN 4720 Strategic Management

**Grade Point Average Requirements**

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

**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 waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Business program. Only grades of "C" (2.0) or higher transfer into the program.
3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
  - a. The general education requirements, including Gordon Rule and CLAS requirements;
  - b. All of the common program prerequisite courses.
4. Courses taken at community colleges do not substitute for upper division courses.
5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.
7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

**Advisement**

**Undergraduate Student Services**

*Director:* Randall Brumfield  
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 BA11 101 or by calling 407-823-2184. Visit USS's home page at: <http://www.bus.ucf.edu/uss/>.

**Programs and Degrees**

<b>Title</b>	<b>Degree</b>
Accounting	BSBA, MSA, MST
Business Administration	MBA, Ph.D.
Economics	BA, BSBA, MS, Ph.D.
Finance	BSBA
General Business	BSBA
Management	BSBA, MS HR
Marketing	BSBA
Business (Regional campuses only)	BABA
Real Estate	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, Benfors, Bobek, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Veit, Welch

**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 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:* TBA  
BA2 305-D; 407-823-3266;  
E-mail: [economics@bus.ucf.edu](mailto:economics@bus.ucf.edu)

*Faculty:* Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Harrison, Hofler, Martin, McHone, Milon, Moore, Pennington, Potter, Rutstrom, Scrogin, Soskin, Underwood, White, Yang

*Faculty Advisors:*  
Michael Caputo  
BA2 302Q, 407-823-1405  
E-mail: [mcaputo@bus.ucf.edu](mailto:mcaputo@bus.ucf.edu);  
D. Scrogin  
BA2 302U, 407-823-4129  
N. Underwood  
BA2 302N; 407-823-1403

Economic issues dominate today's news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a

few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

The Department also offers an accelerated undergraduate/graduate program for highly qualified majors in Economics. The Economics BA/MS program provides a broad liberal arts education and leads to a graduate degree in 5 years.

**Distinctive Benefits**

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

**Degrees:** Business Economics (BSBA, MS, Ph.D.)  
Economics (BA)

**Minors:** Economics, Economic Policy

**Department of Finance**

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

*Faculty:* Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Park, Ramanlal, Schnitzlein, Singer, Smith, Sweo, Sturm, Weaver, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking and real estate.

**Distinctive Benefits**

- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

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

**Minors:** International Business, Real Estate, Finance

**Certificates:** Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

**General Business**

*Faculty Advisor:* S. Goodman  
BA 335; 407-823-2679

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

**Degrees:** General Business (BSBA, MBA, Ph.D)

**Minors:** For non-Business majors

**Department of Management**

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

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

Tomorrow's managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the 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

industries, and from among a multitude of career paths.

**Department of Marketing**

*Chair:* R. Michaels  
BA2 307; 407-823-2108  
<http://www.bus.ucf.edu/marketing/>

*Faculty:* Allen, Davis, Desiraju, Ganesh, Gundy, He, Howatt, Joshi, Krishnamoorthy, Mao, Massiah, Mayfield-Garcia, Michaels, Sooder, Stock

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

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

## College of Business Administration

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

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

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

### Distinctive Benefits

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

**Degrees:** Marketing (BSBA)

**Tracks:** Generalist, Professional Selling Program

**Minor:** Marketing

**Certificates:** Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

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

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: [http://www.oas.ucf.edu/alc/alc\\_students\\_cba.htm](http://www.oas.ucf.edu/alc/alc_students_cba.htm)





# COLLEGE OF EDUCATION



## College of Education

Dean: Sandra L. Robinson  
ED 308; 407-823-5529  
<http://education.ucf.edu>

Executive Associate Dean: Jennifer C. Platt  
407-823-2046  
Associate Dean: Rex Culp  
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, exceptional education, technical education and industry training, and sport and exercise science professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF's College of Education is the leading source of education baccalaureate degrees in the State of Florida.

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

## Success to Significance

- America's 100 Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State and National Accreditation
- Proven and promising practices
- Partnerships with twelve Central Florida school districts
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Academy for Teaching, Learning and Leadership
- Toni Jennings Exceptional Education Institute
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Consortium for Social Responsibility and Character in Education
- Early and continuous field experiences
- Internships with highly effective teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- Majors in Early Childhood, Elementary, Exceptional and English Language Arts Education graduate with an ESOL Endorsement
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)

### Admission to the College of Education

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

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

#### Transfer Notes:

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

#### New students will:

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

#### Continuing students will:

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

### Office of Student Affairs

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

#### Mission Statement

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

### Clinical Experiences

Director: Bryan Zugelder

ED 110, 407-823-2518

<http://www.education.ucf.edu/clinicalexp/>

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

**Students must be aware:** that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences.

Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and co-requisite (if applicable).

#### Application deadlines for all Internships are:

February 15 for Fall semester

September 15 for Spring semester

#### Internship I

Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

#### Admission to Internship I

Admission to Internship I will be granted to students who have been admitted to the College of Education and who meet the following additional requirements at the time of application.

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a "C-" (1.75)\* or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student's major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

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

#### Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student's last semester.

#### Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5\*

- Possess minimum specialization GPA of 2.5\*
- Achieve a "C-" (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student's major
- Meet any special departmental or program requirements

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

\*Some programs may specify a different GPA requirement for admission

### Minority Teacher Recruitment and Retention Program (MTRRP)

Caroline Marrett  
 ED 110; 407-823-4409  
<http://education.ucf.edu/mtrrp/>

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

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

#### Application deadlines:

July 1 for Fall semester  
 November 15 for Spring semester

### Student Services

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

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

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



#### Program Objectives

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

#### Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee

#### Graduation Requirements

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

#### Alternative Certification for Non-Degree Students

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

## College of Education

### Academic Advising Center

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

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment and advising sessions.

Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education website.

### Department of Child, Family, and Community Sciences

*Chair:* Anne McDonald Culp  
ED 209-E; 407-823-1272  
*Academic Administrator:* Roanne G. Brice  
ED 206-H; 407-823-0664

*Faculty:* Albers-Biddle, Batchelder, Berry, Biddle, Brasel, Burden, Cross, Culp, Dieker, Duke, Englehart, Ezell, Fisher, Hines, Hoffman, Jennings, Kian, Kuminka, Lanier, Levin, Little, Marrett, Martin, Platt, Reyes, Lue-Stewart, Szente, Valdes, Vasquez, Wienke

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

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

Students in the Early Childhood Development Track are interested in working with young children and parents. These students are not seeking 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.

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

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

Several graduate level programs are available in the department:

Early Childhood Development and Education, M.S.,  
[http://education.ucf.edu/prog\\_page.cfm?ProgDeptID=41&ProgID=117](http://education.ucf.edu/prog_page.cfm?ProgDeptID=41&ProgID=117)

Exceptional Student Education M.A. or M.Ed.  
<http://education.ucf.edu/exed/>

Sport and Exercise Science, M.S.  
<http://education.ucf.edu/sportexscience/>

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

### Department of Educational and Human Sciences

*Chair:* Grant Hayes  
ED 209-H; 407-823-6106  
*Academic Administrator:* Brenda Thompson  
ED 206-E; 407-823-6579  
[http://education.ucf.edu/academics\\_departments.cfm#Department of Educational and Human Sciences](http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences)

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

The Department of Educational and Human Sciences (EHS) is primarily a graduate department that offers 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 re-search, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college.

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

### School of Teaching, Learning and Leadership

*Co-Director:* Karen L. Biraimah  
ED 209-B; 407-823-2426

*Co-Director:* Michael Hynes  
ED 209-D; 407-823-2005

[http://education.ucf.edu/academics\\_departments.cfm#School of Teaching, Learning, and Leadership](http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership)

*Faculty Administrators and Coordinators:*

Janet Zajac  
ED 206-C, 407-823-0523

Maria Cox  
ED 206-D; 407-823-1763

Melissa Feyer  
ED 209-C; 407-823-0303

Lindsay Archambault  
ED 206-F; 407-823-2881

*Faculty:* Allen, Andreasen, Becker, Bryan-Bethea, Blair, Blessing, Boote, Brewer, Brooks, Buchoff, Cardullo, Clements, Cohn, Crevecoeur-Bryant, Diaz, Dixon, Doherty, Ergle, Eriksson, Everett, Frazee, Gill, Goodman, Gresham, Gunter, Haciomeroglu, Hewitt, Hoffman, Hoffman, Holt, Hopkins, Hopp, Hutchinson, Hynes, Jeanpierre, Johnson, Kaplan, Kelley, Kerness, Kochan, Koger, Lehman, McGee, McLaughlin, Mione, Murray, Murray, Nutta, Ortiz, Owens, Pantoja, Roberts, Romjue, Russell, Scharlach, Seeley, Snider, Spalding, Stanley, Starzynski, Stewart, Sweeney, Taylor, Tinsley, Van Der Mark, Verkler, Walters, Waring, Wegmann, Whiteman, Wienke, Williams, Wilson, Wise, Zajac, Zygoris-Coe

#### Elementary Education

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

#### Secondary Education

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

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Education are located at: [http://oeas.ucf.edu/alc/alc\\_students\\_coe.htm](http://oeas.ucf.edu/alc/alc_students_coe.htm)

# COLLEGE OF ENGINEERING AND COMPUTER SCIENCE



## College of Engineering and Computer Science

Dean: Marwan Simaan  
HEC 114; 407-823-2156  
<http://www.cecs.ucf.edu>

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

Associate Dean for Research and Administration: Louis Chow  
ENG2 202; 407-823-2156

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

Director, Academic Affairs: Melissa A. Dagley  
ENGR 107; 407-823-2455

Director, College Honors Programs: Donald Malocha  
ENGR 114; 407-823-2414

Director, Educational Partnerships: Bruce Furino  
ENGR 281; 407-823-4927

## Undergraduate Majors and Degrees

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

BSAE  
BSCE  
BSPE  
BS  
BSCoE  
BSEE  
BSVE  
BSIE  
BS  
BSME

## Accelerated BS/MS Degree Program

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

## College Vision

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

## College Mission Statement

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

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

## College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of four engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

### The Honors Program in the College of Engineering and Computer Science

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

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

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

### The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:

1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Donald Malocha, Engineering Building 1, Room 114. For more information about The Burnett Honors College programs, please visit their homepage at <http://www.honors.ucf.edu>.

### The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

### Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at <http://www.cecs.ucf.edu>, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

### Department of Civil, Environmental, and Construction Engineering

*Chair:* Lakshmi N. Reddi  
ENG2 211; 407-823-2841  
<http://www.cece.ucf.edu>

*Faculty:* Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Mackie, Madani, Nnadi, Oloufa, Radwan, Randall, Reddi, Reinhart, Wang, Yun, Zhang

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

### The Civil Engineering Program

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

#### Mission

The 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 civil engineering design project incorporating the use of design and regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.
10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

### The Environmental Engineering Program

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

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

#### Mission

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

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

#### Educational Objectives

Within the first several years following graduation, graduates should:

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

#### Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will solve problems involving topics from chemistry such as stoichiometry, kinetics, equilibrium and gases.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
7. Graduates will demonstrate the ability to work in teams to solve engineering problems.
8. Graduates will understand the need to continuously update their knowledge through licensure, continuing education, and participation in professional societies.
9. Graduates will be able to complete a comprehensive environmental engineering design project incorporating the use of design and

regulatory standards, and realistic constraints that could include contemporary issues such as economics, globalization, societal impact and safety.

10. Graduates will be able to synthesize skills learned in their program to solve real-world problems and to generate and evaluate viable solutions.

### The Construction Engineering Program

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

#### Mission

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

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

#### Educational Objectives

Within the first several years following graduation, graduates should:

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

#### Program Outcomes

1. Graduates will solve problems that involve differential and integral calculus, differential equations, analytical and numerical solutions, and statistics.
2. Graduates will solve problems that address engineering economics issues such as life-cycle analysis and the selection of alternatives.
3. Graduates will demonstrate knowledge of estimating, scheduling, project control, resource allocation, risk management, and legal issues.
4. Graduates will demonstrate knowledge of the role of an engineer involving ethics, professionalism, engineering practice and licensure.
5. Graduates will demonstrate the ability to conduct experiments, collect information, and analyze and interpret data.
6. Graduates will demonstrate 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>.

# College of Engineering and Computer Science

## Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double degree shall meet the following requirements:

- The student shall meet all individual requirements for each degree.
- The coursework must include two different design courses, one from each program, plus the capstone design course.
- Completion of requirements for both degrees must be in the same semester.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

### Additional notes:

- The extra hours represent at least one additional semester of full time enrollment.
- All majors completed will be indicated on the student's transcript.

### Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

### Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), ACG 2071 (3hrs).

### Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3501C (3hrs), CE Measurements (4hrs), Highway Engineering (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), and a Civil Design course (3hrs).

## Department of Electrical Engineering and Computer Science

### Computer Science Division

*Interim Chair:* Gary T. Leavens  
HEC 437; 407-823-3957

*Faculty:* Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Deo, Dechey, Foroosh, Gomez, Gonzalez, Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Marinescu, Orooji, Pattanaik, Shah, Stanley, Sukthankar, Tappen, Turgut, Wocjan, A. Wu, Zhang, Zou

### The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online *Graduate Catalog*), and Doctor of Philosophy (see online *Graduate Catalog*) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including computational biotechnology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis

of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, software engineering and VLSI design tools and hardware algorithms.

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

### Mission

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

### Educational Objectives

1. To give CS graduates the knowledge and skills necessary to participate as effective team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications.
2. Prepare CS graduates for professional careers in roles including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. To prepare CS graduates with the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. To equip CS graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in computer and software systems development, maintenance and administration.

### Program Outcomes

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



ity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

11. All graduating CS majors, by the time of their graduation, shall be able to apply design and development principles in the construction of software systems of varying complexity.
12. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
13. All graduating CS majors, by the time of their graduation, shall be able to demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

## The Information Technology Program

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

### Mission

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

### Educational Objectives

1. To prepare IT graduates with the knowledge and skills necessary to be effective professional contributors or leaders in the design, administration and management of information technology systems, databases and networks commonly used by industry, government, education, research and non-profit organizations.
2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administration, IT project lead, IT quality assurance.
3. To equip IT graduates with the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical users of information technology systems and applications.
4. To prepare IT graduates with the knowledge and skills to conduct advanced studies and research in disciplines for web-based applications, networking, information storage and retrieval, IT security, electronic commerce.

### Program Outcomes

1. Demonstrate expertise in the main content knowledge of information technology.
2. Effectively use information science and technology frameworks (concepts, principles, methods, languages and theories) to design, analyze, and construct solution in a network-based environment.
3. Effectively apply scientific and mathematical principles, methods and techniques to the research and development of emerging technologies in the computing field.
4. Critically analyze and apply a range of information science and systems concepts, principles, and practices in the context of solving problems across a range of information technology problem domains.
5. Develop computer-based applications using the information technology body of knowledge.

6. Employ terminology for information technology accurately and effectively
7. Use technical writing effectively and professionally for varied audiences.
8. Convey technical material through oral presentations of information technology related topics.
9. Effectively work on teams and critically analyze impact of IT on individuals, organizations, and society.
10. Understand roles and responsibilities of IT on issues related to profession, security, legal, ethics, society, and professional development.

## Electrical and Computer Engineering Division

*Interim Chair:* Zhihua Qu

HEC 439C; 407-823-2787

*Faculty:* Batarseh, Behal, DeMara, Georgiopoulos, Gong, Haralambous, Jones, Kasparis, Lee, Lin, Liou, Lotfifard, Malocha, Mikhael, Qu, Richie, Shen, Simaan, Sundaram, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

The Electrical and Computer Engineering division offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BSCpE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.) are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

## The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

### Mission

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

### Educational Objectives

The objectives of the CpE Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

### Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering,
2. An ability to design and conduct experiments, as well as to analyze and interpret data,
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability,
4. An ability to function on multidisciplinary teams,
5. An ability to identify, formulate, and solve engineering problems,

6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively,
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues,
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,
12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and
13. A knowledge of discrete mathematics.

### The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

#### Mission

The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering

#### Educational Objectives

The objectives of the EE Program at UCF are that:

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

#### Program Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering
2. An ability to design and conduct experiments, as well as to analyze and interpret data
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
4. An ability to function on multidisciplinary teams
5. An ability to identify, formulate, and solve engineering problems
6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
12. Knowledge of probability and statistics necessary for use in electrical engineering practice
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

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

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

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

### Department of Industrial Engineering and Management Systems

*Chair:* Waldemar Karwowski

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

*Faculty:* Calabrese, Crumpton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

#### Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

#### Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To 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 produce 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.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations..
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.

The mission statement and objectives for the Industrial Engineering programs are electronically posted and continuously updated. More information on the Industrial Engineering program can be found on the Industrial Engineering Department home page at <http://www.iems.ucf.edu>.

**Department of Mechanical, Materials, and Aerospace Engineering**

*Chair:* Suhada Jayasuriya  
ENGR 307; 407-823-2416; Fax: 407-823-0208

*Faculty:* An, Bai, Bishop, Q. Chen, R. Chen, Chew, Cho, Chow, Coffey, Deng, Fang, Fenton, Gordon, Gou, Illebusi, Ilie, Jayasuriya, Kapat, Kassab, Kumar, Lin, Minardi, Moslehy, Nicholson, Orlovskaya, Raghavan, Seal, Sohn, Suryanarayana, Vaidyanathan, C. Xu, Y. Xu

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

**Mission: Aerospace Engineering**

In support of the University and College missions, the Aerospace Engineering program at UCF is committed to 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 an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

**Educational Objectives**

1. **Career Preparation:** The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
2. **Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. **Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. **Life-long Learning:** To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

**Program Outcomes**

1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

## Mission: Mechanical Engineering

In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

## Educational Objectives

- 1. Career Preparation:** The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from zipper to space shuttle.
- 2. Skills:** To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
- 3. Professionalism:** To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
- 4. Life-long Learning:** To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

## Program Outcomes

1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

## Reserve Officer Training Corps

### Air Force ROTC (Aerospace Studies)

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

Faculty/Staff: Captain Gray, Captain Lehmann, Captain Johnson, MSgt Fields, SSgt Sutton, and Mrs. Fioramanti, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned

officers in the active duty Air Force. The department offers four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at <http://airforce.ucf.edu> and the Air Force ROTC home page at <http://www.afrotc.com>.

## Curriculum

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

- 1. General Military Course (GMC)**  
The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.
- 2. Professional Officer Course (POC)**  
The Professional Officer Course is designed to develop and hone managerial and officer skills during a student's junior and senior years. All students who 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 web site at <http://airforce.ucf.edu> or e-mail us at [AFROTC@mail.ucf.edu](mailto:AFROTC@mail.ucf.edu). This information is subject to change.

## Summer Training

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. A five-week summer course, which includes a modified version of the General Military Course, is required for

students entering the two and a half-year AFROTC program. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students need to contact the department early in the Fall prior to the Summer Field Training.

## Officer Commissioning

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

## Army ROTC (Military Science)

*Chair:* LTC Sean Morgan  
Trailer 501, Room 110

*Faculty/Staff:* LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Martin, Office Manager; 407-823-2430, Fax: 407-823-5324  
<http://army.ucf.edu>

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every semester. The two-year option allows students with at least two academic years remaining to complete their degrees to meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army's Simultaneous Membership Program (SMP) which combines Reserve Forces Duty with Army ROTC officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: <http://army.ucf.edu>.

## Curriculum

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

### 1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two 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 hours leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to

contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

### B. Requisites for Admission to the Advanced Course:

- Successful completion of Basic Course, or placement credit
- Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
- Successful completion of an Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
- US Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

### 3. Monetary Allowance

All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of \$300 during the freshman year, \$350 during the sophomore year, \$450.00 during the Junior year and \$500.00 during the Senior school year.

### 4. Scholarships

Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed \$10,000 and \$1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

### 5. Placement Credit

Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

### 6. Daytona Beach Campus Students

These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

## Summer Training Courses

### 1. Basic Course Summer Training (Leader Training Course)

Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately \$800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

### 2. Specialized Summer Training Courses

Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

### 3. Leadership Development and Assessment Course (LDAC)

All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student's leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately \$800 pay for the training.

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:

[http://oeas.ucf.edu/alc/alc\\_students\\_coecs.htm](http://oeas.ucf.edu/alc/alc_students_coecs.htm)

# COLLEGE OF HEALTH AND PUBLIC AFFAIRS



## College of Health and Public Affairs

*Dean:* Michael L. Frumkin  
HPA 365, 407-823-0171  
<http://www.cohpa.ucf.edu>

*Associate Dean, Graduate Studies and Technology:*  
Ronnie Korosec, HPA 365; 407-823-0171  
*Associate Dean, Research:* Thomas Wan  
BNT 108; 407-823-0170  
*Associate Dean, Student/Personnel Affairs:* Melvin Rogers  
HPA 365; 407-823-0171  
*Associate Dean, Undergraduate Studies:* Pamela E. Kirby  
HPA 365, 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary PhD program in Public Affairs.

## General Requirements for the Bachelor's Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training and Health Informatics and Information Management. Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College website.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.

## Academic Advisement

### Undergraduate Student Services

*Director:* Mariangelly Rente  
HPA2 115, 407-823-0010  
E-mail: [hpainfo@mail.ucf.edu](mailto:hpainfo@mail.ucf.edu)

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

## Programs and Degrees

<b>Major</b>	<b>Degree</b>
Athletic Training	BS
Communication Sciences and Disorders	BA, BS, MA
Criminal Justice	BA, BS, MS
Health Informatics and Information Management	BS
Healthcare Informatics	MS
Health Sciences - Pre-Clinical Track	BS
Health Services Administration	BS, MS
Legal Studies	BA, BS
Public Administration	BA, BS, MPA, MNM
Public Affairs	PhD
Physical Therapy	DPT
Social Work	BSW, MSW

## Department of Communication Sciences and Disorders

*Chair:* TBA

HPA2 101, 407-823-4798

<http://www.cohpa.ucf.edu/comdis>

*Clinic Director:* Janet Whiteside

Research Pavilion Suite 155,

407-249-4770

*Faculty:* Barrett, Carson, DiNapoli, Dreilinger, 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 pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician's offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

**Degrees:** Communication Sciences and Disorders (BA, BS, MA)  
PhD in Education, Communication Sciences and Disorders Track

**Tracks:** None

**Minors:** Communication Sciences and Disorders

**Certificates:** Language Development and Disorders

## Department of Criminal Justice

*Chair:* Robert Langworthy

HPA 311 407-823-2603

*Faculty:* Adams, Bohm, Craig, Eastep, Fabianic, Flint, Ford, Gau, Henderson, Humiston, Jordan, Lucken, Mahan, Malendevych, Paoline, Potter, Randall, Reynolds, Rhyne, Rosky, Ross, Sanborn, Surette, Watkins, Winton, Wolf.

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society. Criminal Justice is a problem-based field of study which focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

**Degrees:** Criminal Justice (BA, BS, MS)

**Tracks:** None

**Minors:** Criminal Justice

**Certificates:** Crime Analysis and Crime Mapping, Criminal Profiling, Security Management, Victim Advocacy and Crime Scene Investigation

## Department of Health Management and Informatics

*Chair:* TBA

HPA2 210; 407-823-2359

*Faculty:* Cortelyou-Ward, Douglass, Falen, Fottler, Liberman, Lytle, Malvey, Masri, Noblin, D. Oetjen, R. Oetjen, Ramirez, Rotarius, Sumner, Unruh, Wan, West, Zhang.

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

### Program in Health Services Administration

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient; 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics; 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information; and 4) assistance in collection and analysis of data for public health services planning.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

### Program in Health Informatics and Information Management

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

## Department of Health Professions

*Interim Chair:* Kristen Schellhase

HPA2 118/119; 407-823-2214

*Faculty:* Angelopoulos, Hanney, Lytle, Pabian, Plant, Rothschild, 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 for those planning to go on to a graduate clinical professional program.

### Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required. Admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of "C" (2.0) is required for all prerequisite courses and a minimum grade of "C" (2.0) is required for all required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification. The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the edu-

## College of Health and Public Affairs

ational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to take the National Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

**Degrees:** Athletic Training (BS)

**Tracks:** None

**Minors:** None

### Program in Health Sciences-Pre-Clinical Track

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

**Degrees:** Health Sciences (BS)

**Tracks:** Pre-Clinical

**Minors:** Health Sciences

## Department of Legal Studies

*Chair:* James Beckman  
HPA 343; 407-823-1670

*Faculty:* Bast, Brown, Cook, Flagg, Kirby, Koblasz, Milon, Pons, Scott, Slaughter, Wood.

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences with a major in Legal Studies. The department houses Phi Alpha Delta, the Legal Studies professional society.

**Degrees:** Legal Studies (BA, BS)

**Minor:** Legal Studies

## Department of Public Administration

*Chair:* Mary Ann Feldheim  
HPA2 238; 407-823-2604

*Faculty:* Abels, Blessett, Bryer, Colby, Feldheim, Hawkins, Jurie, Kapucu, Knox, Korosec, Krick, Lawther, Littleton, Liou, Martin, Rogers, Smith, Wang.

The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a

variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to "make a difference" in their communities on a national, state or local level.

**Degrees:** Public Administration (BA, BS, MPA, MNM)

**Tracks:** None

**Minors:** Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanics National Certification Program

**Certificates:** Nonprofit Management

## School of Social Work

*Director:* John Ronna  
HPA 204; 407-823-2114

*Faculty:* Abel, Buckey, Burg, Gammonley, Hall, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Walsh, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

The curriculum, nationally accredited by the Council on Social Work Education, aims to graduate social work generalists who can teach people how to create their own path and enhance their quality of life. Graduates will assist people in changing patterns of behavior, poverty, abuse, and oppression and help them to develop effective coping skills for life's challenges. The Social Work Program is a limited access program that requires a separate application to the School of Social Work.

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master's in Social Work.

**Degrees:** Social Work (BSW, MSW)

**Tracks:** None

**Minors:** Aging Studies

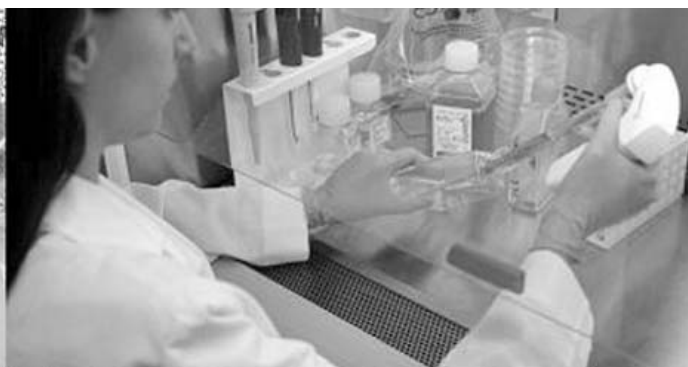
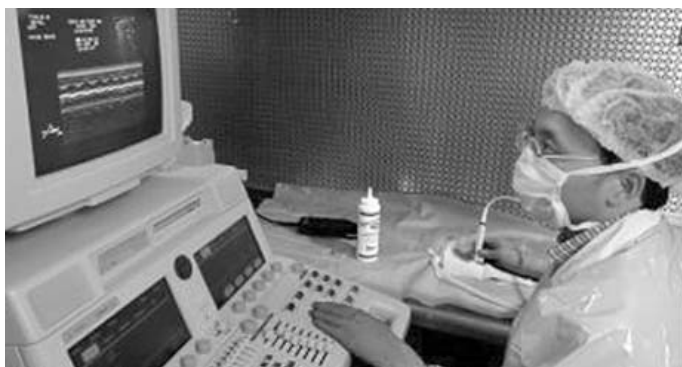
**Certificates:** Aging Studies, Children's Services

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:

[http://oeas.ucf.edu/alc/alc\\_students\\_cohpa.htm](http://oeas.ucf.edu/alc/alc_students_cohpa.htm)



# COLLEGE OF MEDICINE



## College of Medicine

*Vice-President for Medical Affairs and Dean:* Deborah C. German  
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408  
407-266-1000  
<http://www.med.ucf.edu>

*Associate Dean for Faculty and Academic Affairs:* Richard Pepler  
COM 313J; 407-266-1101

*Director, Burnett School of Biomedical Sciences:* Pappachan Kolattukudy

BL 136; 407-823-1312; Fax: 407-823-0956

*Assistant Dean, Undergraduate Medical Education:* Jonathan Kibble

*Assistant Dean, Undergraduate Medical Education:* Lori Boardman

*Associate Director of Academic Affairs (Burnett School of Biomedical Sciences):* Roseann White

HPA2 335J; 407-823-5932; Fax 407-823-3095

UCF College of Medicine offers the second largest undergraduate program in the university through its Burnett School of Biomedical Sciences. The college currently includes an M.D. program and undergraduate and advanced degree programs in biomedical sciences. The Burnett School of Biomedical Sciences is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. The school is home to quality programs in the biomedical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college's medical and biomedical programs capitalize on UCF's existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

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

The Burnett School is educating over 2,350 undergraduate majors in the biomedical sciences including Biotechnology, Medical Laboratory

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

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

## Programs and Degrees

### Program

Biomedical Sciences  
Biotechnology

Medical Laboratory Sciences  
Biomedical Sciences  
Medicine

### Degree

B.S., M.S., Minor  
B.S., M.S.,  
M.S./M.B.A.  
B.S.  
Ph.D.  
M.D.

## College of Medicine Mission, Vision and Goals

### Mission

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

### Vision

The University of Central Florida College of Medicine will be the nation's premier 21st century college of medicine — a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education and health care.

### Goals

- Achieve excellence in medical and biomedical education
- Excel in research and discovery in biomedical science, medical education, and health care
- Provide outstanding individualized patient care while transforming health care delivery
- Be America's leading partnership college of medicine
- Establish a diversified self-sustaining infrastructure to support future operations

### Burnett School of Biomedical Sciences

*Director:* P.E. Kolattukudy

BL 136; 407-823-1312; Fax: 407-823-0956

*Associate Director of Academic Affairs:* Roseann White

HPA2 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (formerly Molecular Biology and Microbiology) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has approximately 2,350 undergraduate students and 110 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

### Program in Biomedical Sciences (Formerly Molecular Biology and Microbiology)

*Undergraduate Coordinator:* Dorilyn Hitchcock

HPA2 335A; 407-823-5932

*Graduate Coordinator:* Saleh Naser

BL 221; 407-823-0956

The Core Curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the mechanism of directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

**Degrees:** Biomedical Sciences (B.S., M.S.)  
Biomedical Sciences Preprofessional Concentration (B.S.)

**Tracks:** None

**Minors:** Biomedical Sciences

### Program in Biotechnology

*Director and Graduate Coordinator:* Henry Daniell

BL 336; 407-823-5932

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more "hands on" laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

**Degrees:** Biotechnology (B.S., M.S., M.S./M.B.A.)

**Tracks:** None

**Minors:** None

### Program in Medical Laboratory Sciences

*Director:* Dorilyn Hitchcock

HPA2 335A; 407-823-5932

Medical technologists may be involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. Also, it prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

**Degrees:** Medical Laboratory Sciences (B.S.)

**Tracks:** None

**Minors:** None

### Office of Student Services and Advisement (OSSA)

*Assistant Director:* Amanda Colee

HPA2 335A; 407-823-4812;

*Academic Advisor:* Cynthia Contreras

HPA2 336; 407-823-5787;

*Academic Advisor:* Ana Maria Schwindt

HPA2 337; 407-823-1259

E-mail: [bcbsinfo@ucf.edu](mailto:bcbsinfo@ucf.edu)

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

### Pre-Health Professions Advisement Office

*Director:* Genaro Lopez

HPA 124; 407-823-2670

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

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

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Medicine are located at: [http://oeas.ucf.edu/alc/alc\\_students\\_bcbs.htm](http://oeas.ucf.edu/alc/alc_students_bcbs.htm)

# COLLEGE OF NURSING

## College of Nursing

Dean: Jean Leuner  
UTWR 3RD floor; 407-823-5496

Associate Dean Undergraduate Affairs: Linda Hennig  
UTWR 3rd floor; 407-823-4941

Associate Dean Graduate Affairs Susan Chase  
UTWR 3rd floor; 407-823-3079

E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)  
<http://www.nursing.ucf.edu>

**Faculty:** Allred, Amidei, Andrews, Aroian, Blackwell, Bushy, Byers, Chase, Conner, Covelli, D'Amato-Kubiet, Decker, Dennis, Desmarais, Dever, DiChiara, Draves, Gross, Guimond, Heglund, Hennig, Hoyt, Hunt, Ladores, Lafferty, LaManna, Landreville, Leli, Leuner, Loezzel, Lopp, Mayer, Morse, Neubauer, Norris, Ricci, Robinson, Ritten, Walrand, Sole, Talbert, Waldrop, Weinstein, Wink.

The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master's and doctoral levels.

Today's challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of

graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor's degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN and PhD programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

**Degrees:** Nursing (BSN) (MSN) (PhD) (DNP)

**Tracks:** RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

**Minors:** None



## General Requirements for the Bachelor's Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website:  
<http://www.nursing.ucf.edu>

## Academic Advisement

### Office of Undergraduate Student Services

UTWR 3rd floor; 407-823-2744  
E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)  
<http://www.nursing.ucf.edu>

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

## Programs and Degrees

### Major Degree

Nursing BSN, MSN, PhD, DNP

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Nursing are located at:  
[http://oeas.ucf.edu/alc/alc\\_students\\_con.htm](http://oeas.ucf.edu/alc/alc_students_con.htm)

# COLLEGE OF OPTICS AND PHOTONICS



## **CREOL, The College of Optics and Photonics**

*Dean and Director:* Bahaa Saleh  
CROL 206; 407-823-6800  
E-mail: [info@creol.ucf.edu](mailto: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.

# COLLEGE OF SCIENCES



## College of Sciences

Dean: TBA  
CSB 201A; 407-823-1997  
<http://www.cos.ucf.edu>

Associate Dean: Michael Johnson  
CSB 201A; 407-823-3491

Associate Dean: Jack M. McGuire  
CSB 201A; 407-823-3684

Associate Dean: Haven C. Sweet  
CSB 201A; 407 823-2992

Assistant Dean: Teresa Dorman  
CSB 201A; 407 823-5167

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 52 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: <http://graduate.ucf.edu/currentGradCatalog/>

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

## Preprofessional Programs

### Prelaw Program

Prelaw Advisor: Roger Handberg  
PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

### Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional Concentration for additional information.

## Advisement

### College of Sciences, Academic Services (COSAS)

Director of Undergraduate Services: Lee Anne Kirkpatrick  
CSB 250; 407-823-6131  
E-mail: [cosas@mail.ucf.edu](mailto:cosas@mail.ucf.edu)  
<http://undergrad.cos.ucf.edu/>

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the "First Year" advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.

**Programs and Degrees**

Title	Degree
Actuarial Science	Minor
Advertising-Public Relations	BA
Anthropology	BA, MA, Minor
Astronomy	Minor, BS Track
Behavioral Forensics	Certificate
Biology	BS, MS, Minor
Biology-Pre Health Professional	BS Concentration
Biomedical Sciences	PhD
Chemistry	BS, MS, PhD, Minor
Communication	MA
Conservation Biology	PSM, PhD
Biochemistry	BS Track
Data mining	Certificate
Diplomacy	Certificate
Diversity & Social Inequality	Minor
European Studies	Minor
Forensic Science	BS, MS
International & Global Studies	BA, Minor
Interpersonal/Organizational Communication	BA, Minor
Journalism	BA
Journalism Studies	Minor
Magazine Journalism	Minor
Mass Communication	Minor
Mass Culture & Collective Behavior	Minor
Mathematics	BS, Certificate, MS, PhD, Minor
Maya Studies	Certificate
Medical Anthropology	Minor
Medical Sociology	Minor
North American Indian Studies	Minor
Physics	BS, Certificate, MS, PhD, Minor
Political Science	BA, MA, Minor
Political Science-Pre Law	BA Track, Minor
Psychology	BS, MA, MS, PhD, Minor
Radio-Television	BA
Social Sciences Interdisciplinary	BS
Sociology	BA, MA, PhD, Minor
Statistics	BS, MS, Minor

**Departments, Schools, and Programs**

**Department of Anthropology**

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

*Assistant Chair and Graduate Coordinator:* Tosha Dupras  
 PH 309; 407-823-2227  
*Undergraduate Coordinator:* John Schultz  
 PH 309; 407-823-2227

*Faculty:* Barber, A. Chase, D. Chase, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowsky, McIntyre, Mishtal, Reyes-Cortez, Schultz, Sinnelli, Toyne, Walker; Professors Emeritus: Stearman, Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies; an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

**Degrees:** Anthropology (BA, MA)

**Minors:** Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, Native American Indian Studies

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

**Department of Biology**

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

*Faculty:* Bayer, Bohlen, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Klowden, Logiudice, Manjerovic, Noss, Parkinson, Quin-tana-Ascencio, Song, Sotero-Esteva, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Osborne, Snelson, Stout, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

**Degrees:** Biology (BS, MS), Conservation Biology (PSM, PhD)

**Concentration:** Biology Pre-professional (BS)

**Minors:** Biology

**Department of Chemistry**

*Chair:* Kevin D. Belfield  
 CH 117; 407-823-2246  
 E-mail: chemstaf@mail.ucf.edu  
<http://chemistry.cos.ucf.edu/>

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

*Faculty:* Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Miles, Miller, Patino, Richardson, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

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

**Tracks:** Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

**Minors:** Chemistry

**Nicholson School of Communication**

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

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

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

Hall, Hanlon, Hastings, Hobart, Hodgson, Holladay, Hudock, Ihde, Kasle, Katt, Kinnally, Lindsley, Malala, Matusitz, McCain, Miller, Morrison, Musambira, Neel, O'Donnell, Perrotte, Rice, Sheehy, Smith, Speere, Sublette, Voss, Weger, Workman, Young; Faculty Emeriti: Fedler, O'Keefe, Taylor, Wycoff

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

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

#### Facilities

The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Interpersonal-Organizational (I-O) Communication program has a presentational speaking classroom equipped for audio/video record/playback and computerized visual presentation. The I-O program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

**Degrees:** Advertising-Public Relations (BA), Communication (MA), Interpersonal-Organizational Communication (BA), Journalism (BA), Radio-Television (BA)

**Specializations:** Broadcast Journalism, Production, Broadcast Generalist

**Minors:** Journalism Studies, Interpersonal-Organizational Communication, Magazine Journalism, Mass Communication

## Department of Mathematics

*Chair:* Piotr Mikusinski  
MAP 209; 407-823-2826  
E-mail: math@mail.ucf.edu  
<http://math.ucf.edu>

*Associate Chair/Undergraduate Coordinator:* Joseph P. Brennan  
MAP 215A; 407-823-5700

*Faculty:* Brennan, Cannon, Carlson, Capursi, Choudhury, Clarke, Cleary, Davis, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Ismail, Kassab, Katsevich, Kaup, Lee, Li, Martin, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Nevai, Pensky, Plemmons, Qi, Reid, Ren, Richardson, Rollins, Schober, Schweitzer, Shah, Shivamoggi, Skripka, Song, Sun, Swanson, Tamasan, Taylor, Tovbis, Vajravelu, Wocjan, Yong, Young, Zinchenko, Zhao

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science

and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

**Degrees:** Mathematics (BS, MS, PhD)

**Certificate:** Mathematics

**Tracks:** Applied Mathematics, Computational Mathematics, Engineering/Physics, Mathematical Economics, Pure Mathematics

**Minors:** Mathematics

## Department of Physics

*Chair:* Talat Rahman  
PS 430A; 407-823-5785  
E-mail: physics@ucf.edu  
<http://physics.cos.ucf.edu/>

*Associate Chair:* Joshua Colwell  
PS 434; 407-823-2012

*Faculty:* Al-Rawi, Bhattacharya, Bindell, Britt, Brueckner, Campins, Chang, Chernyak, Chini, Chow, Colwell, Cooney, Del Barco, Dubej, Efthimiou, Fernandez, Flitsiyan, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokoouline, Leuenberger, Luo, Martin, Montgomery, Mucciolo, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department's research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

**Degrees:** Physics (BS, MS, PhD)

**Tracks:** General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy

**Minors:** Astronomy, Physics

## Department of Political Science

*Chair:* TBA  
PH 302; 407-823-2608  
E-mail: politics@ucf.edu  
<http://politicalscience.cos.ucf.edu/>

*Associate Chair:* TBA  
PH 302; 407-823-2608

## College of Sciences

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

The Department of Political Science seeks to:

1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri, Quan Li, or Myunghye Kim.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg or Aubrey Jewett.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Space Studies: Contact Roger Handberg.
- Women's Studies: Contact Terri S. Fine.

**Degrees:** Political Science (BA, MA),  
International and Global Studies (BA)

**Tracks:** American Politics, International Relations  
& Comparative Politics, Prelaw

**Minors:** Political Science, Political Science/Prelaw,  
European Studies, International and Global Studies

**Certificates:** Diplomacy Certificate

## Department of Psychology

*Chair:* TBA

PSY 301L; 407-823-2216

E-mail: [psychology@ucf.edu](mailto:psychology@ucf.edu)

<http://psychology.cos.ucf.edu/>

*Associate Chair:* TBA

PSY 301; 407-823-2216

*Faculty:* Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsche, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hiitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloua, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Saunders, Shirkey, Storm, Sims, Smither, Szalma, Wang, Whitten, Wooten; Faculty Emeritus: Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker

The Undergraduate Psychology Program has two primary missions; to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

**Degrees:** Psychology (BS, MA, MS, PhD)

**Tracks:** None

**Minors:** Psychology

**Certificates:** Behavioral Forensics

## Department of Sociology

*Chair:* TBA

PH 403B; 407-823-3744

<http://sociology.ucf.edu/>

*Associate Chair:* J. Jasinski

*Faculty:* Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay,

Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Reckdenwald, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers 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 Statistics

*Chair:* D. Nickerson

CCII 206; 407-823-5528

<http://statistics.cos.ucf.edu/>

*Faculty:* Cutchins, Johnson, Kellison, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

**Degrees:** Statistics (BS, MS)

**Tracks:** Data Mining

**Minors:** Statistics, Actuarial Science

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the College of Sciences are located at: [http://www.oeas.ucf.edu/alc/alc\\_students\\_cosci.htm](http://www.oeas.ucf.edu/alc/alc_students_cosci.htm)



# OFFICE OF UNDERGRADUATE STUDIES



## Office of Undergraduate Studies

Dean: TBA;  
MH 218; 407-823-2373  
<http://www.undergrad.ucf.edu/>  
Associate Dean: TBA;  
MH 210; 407-823-2691

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

## Academic Services

Associate Dean: TBA  
MH 210; 407-823-2691  
<http://www.academicsservices.ucf.edu/>

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

## Bachelor of Applied Science

Dean: TBA  
MH 218; 407-823-2373  
<http://www.regionalcampuses.ucf.edu/bas/>

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

## Office of Experiential Learning

Director: Sheri Dressler  
CSEL 300; 407-823-2667  
<http://www.explearning.ucf.edu/>

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research. Our primary goal is to ensure that students have access to and include experiential learning courses in their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.

## Office of Undergraduate Studies

### Faculty Center for Teaching and Learning

*Director:* Melody Bowdon  
CL1 207; 407-823-3544  
<http://www.fctl.ucf.edu/>

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

### McNair Scholars Program

*Director:* Michael Aldarondo-Jeffries  
CC2 221; 407-823-1815  
<http://mcnair.ucf.edu/>

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

### Office of Interdisciplinary Studies

*Director:* Michael Hampton  
CL1 302; 407-823-0144  
E-mail: [is@mail.ucf.edu](mailto: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, and occupational therapy. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists "Pre-Professional" Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA's goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

### Research and Mentoring Program

*Director:* Michael Aldarondo-Jeffries  
CC2 221; 407-823-1815  
<http://ramp.ucf.edu/>

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty men-

tors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

### Office of Undergraduate Research

*Director:* Kimberly Schneider  
CC2 209; 407-823-3125  
<http://www.our.ucf.edu/>

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: [http://www.oear.ucf.edu/alc/alc\\_students\\_us.htm](http://www.oear.ucf.edu/alc/alc_students_us.htm)



# ROSEN COLLEGE OF HOSPITALITY MANAGEMENT



## Rosen College of Hospitality Management

*Dean:* Abraham Pizam

9907 Universal Boulevard, Suite 231-H Orlando, FL 32819;  
407-903-8000

<http://www.hospitality.ucf.edu>

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

*Orlando Campus Academic Advising:*

Classroom Building I, 302H; 407-823-1112

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

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and 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 executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

### Distinctive Benefits

- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

**Degrees:** Event Management (BS), Hospitality Management (BS)  
Restaurant and Food Service Management (BS)

**Tracks:** Theme Park and Attraction Management;  
Golf and Club Management

**Minor:** Hospitality Management

*Program Academic Learning Compacts* (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: [http://oeas.ucf.edu/alc/alc\\_students\\_rhm.htm](http://oeas.ucf.edu/alc/alc_students_rhm.htm)



# UCF DEGREE PROGRAMS

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Accounting  
Advertising-Public Relations  
Aerospace Engineering  
Aerospace Engineering -  
    Accelerated Undergraduate-Graduate Program  
Anthropology  
Applied Science - A.S. to B.S. Track  
Architecture  
Art - History Track  
Art - Studio Track  
Art - Visual Arts and Emerging Media Management  
    Track  
Art - B.F.A. - Emerging Media Track  
Art - B.F.A. - Studio Art Track  
Art Education  
Athletic Training  
Biology  
Biology - Preprofessional Concentration  
Biomedical Sciences  
Biomedical Sciences - Preprofessional Concentration  
Biotechnology  
Business Administration  
Chemistry  
Chemistry - Biochemistry Track  
Civil Engineering  
Communication Sciences and Disorders  
Communication Sciences and Disorders -  
    Accelerated Undergraduate-Graduate Program  
Computer Engineering  
Computer Engineering -  
    Accelerated Undergraduate-Graduate Program  
Computer Science  
Computer Science -  
    Accelerated Undergraduate-Graduate Program  
Construction Engineering  
Criminal Justice  
Criminal Justice - A.S. to B.S.  
Digital Media  
Early Childhood Development and Education  
    Track 1: Education: Pre-Kindergarten - Primary  
Early Childhood Development and Education  
    Track 2: Early Childhood Development  
Economics  
Economics, Business  
Electrical Engineering  
Electrical Engineering -  
    Accelerated Undergraduate-Graduate Program  
Elementary Education  
English - Creative Writing  
English - Literature  
English - Technical Communication  
English Language Arts Education  
Environmental Engineering  
Event Management  
Exceptional Student Education  
Film - B.F.A.  
Film - Cinema Studies Track  
Finance  
Foreign Language Education - French  
Foreign Language Education - Spanish  
Forensic Science - Analysis Track  
Forensic Science - Biochemistry Track  
French  
General Business  
General Business - A.S. to B.S. Track  
Health Informatics and Information Management  
Health Sciences - Pre-Clinical Track  
Health Services Administration  
History  
History -  
    Accelerated Undergraduate-Graduate Program  
Hospitality Management  
Hospitality Management - A.S. to B.S. Track  
Humanities  
Humanities - Philosophy, Religion,  
    & Popular Culture Track  
Industrial Engineering  
Industrial Engineering -  
    Accelerated Undergraduate-Graduate Program  
Information Technology  
Interdisciplinary Studies  
Interdisciplinary Studies -  
    Environmental Studies Track  
Interdisciplinary Studies - Women's Studies Track  
International and Global Studies  
Interpersonal/Organizational Communication  
Journalism  
Latin American Studies  
Legal Studies  
Liberal Studies (See Interdisciplinary Studies)  
Management  
Marketing  
Mathematics - Applied Track  
Mathematics - Computational Track  
Mathematics - Engineering/Physics Track  
Mathematics - Mathematical Economics Track  
Mathematics - Pure Track  
Mathematics Education  
Mechanical Engineering  
Mechanical Engineering -  
    Accelerated Undergraduate-Graduate Program  
Medical Laboratory Sciences  
Modern Language Combination  
Molecular Biology and Microbiology -  
    Preprofessional Concentration  
Music  
Music - Jazz Studies Track  
Music - Music Composition Track  
Music - Music Performance Track  
Music Education  
Nursing  
Nursing - Accelerated Second Degree B.S.N. Option  
Nursing - A.S. to B.S.N. Track  
Nursing - Concurrent A.S.N. to B.S.N.  
    enrollment option  
Nursing - R.N. to B.S.N. Program  
Nursing - R.N. to M.S.N. Option  
Philosophy  
Photography  
Physics  
Political Science  
Political Science - Prelaw Track  
Psychology  
Public Administration  
Radio - Television  
Real Estate  
Religious Studies  
Restaurant and Foodservice Management  
Science Education - Biology  
Science Education - Chemistry  
Science Education - Physics  
Social Science Education  
Social Sciences  
Social Work  
Sociology  
Spanish  
Sport and Exercise Science  
Statistics  
Technical Education and Industry Training  
Theatre  
Theatre - Musical Theatre Track  
Theatre Studies



# UCF DEGREE PROGRAMS

## Accounting (B.S.B.A.)

College of Business Administration

Kenneth G. Dixon School of Accounting, Business Administration II, Room: 101

<http://www.bus.ucf.edu>

407-823-2184

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the General Education program, Gordon Rule, and CLAS, or an AA Degree from a Florida Public Community College, or a Florida Public University.

- See Common Program Prerequisites.

### Degree Requirements

- None

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

A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs
Required	MAC 1140	Pre-Calculus Algebra	3 hrs

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
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or

Suggested	ECO 2023	Principles of Microeconomics	3 hrs
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Select 1: (3 hrs)

Suggested	ANT 2000	General Anthropology or	3 hrs
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Suggested	PSY 2012	General Psychology or	3 hrs
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Suggested	SYG 2000	Introduction to Sociology	3 hrs
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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
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ACG 2071	Principles of Managerial Accounting	3 hrs
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CGS 2100C	Computer Fundamentals for Business	3 hrs
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ECO 2013	Principles of Macroeconomics	3 hrs
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ECO 2023	Principles of Microeconomics	3 hrs
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Select one of the following sequences of courses:

ECO 3401	Quantitative Business Tools I	3 hrs
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or

MAC 2233	Concepts of Calculus and	3 hrs
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STA 2023	Statistical Methods I and	3 hrs
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Students must receive a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business

Administration:

<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
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GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
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BUL 3130	Legal and Ethical Environment of Business	4 hrs
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ECO 3411	Quantitative Business Tools II	4 hrs
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FIN 3403C	Business Finance	4 hrs
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GEB 3375	Introduction to International Business	4 hrs
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MAN 3025	Management of Organizations	4 hrs
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MAR 3023	Marketing	4 hrs
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MAR 3203	Supply Chain Management	4 hrs
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<sup>1</sup> Must be taken in 1st or 2nd semester.

Required courses for major: 24 hrs

ACG 3131	Intermediate Financial Accounting I	3 hrs
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ACG 3141	Intermediate Financial Accounting II	3 hrs
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ACG 3361	Cost Accounting I	3 hrs
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ACG 3501	Financial Accounting for Governmental and Nonprofit Organizations	3 hrs
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ACG 4401C	Accounting Information Systems	3 hrs
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ACG 4651	Auditing	3 hrs
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ACG 4803	Contemporary Issues in Accounting	3 hrs
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TAX 4001	Taxation of Business Entities and Transactions	3 hrs
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### 5. Restricted Electives

- None

6. Capstone Requirements (4 hrs)

MAN 4720	Strategic Management	4 hrs
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- This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
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GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
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GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
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MAN 3025	Management of Organizations	4 hrs
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MAR 3023	Marketing	4 hrs
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### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.

- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

- Students who change degree programs and select this major must adopt the most current catalog.

- Students must have a "C" (2.0) or better in each common program prerequisites class.

- A minimum grade of "C" (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.

- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student's cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

- Students must have at least a 2.0 GPA in the College of Business and in the accounting major.

- A grade of "C-" (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

### 10. Required Minors

- None

## 11. Departmental Exit Requirements

- None

## 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

### Honors In Major

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

### Requirements:

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

### Take all of the following sequences:

ACG 4903H	Honors Directed Reading I or	3 hrs
ACG 4904H	Honors Directed Reading II	3 hrs
<b>and</b>		
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

<b>Freshman Year - Fall</b>		<b>15 hrs</b>
ENC 1101	Composition I	3 hrs
MAC 1140	Pre-Calculus Algebra	3 hrs
Cult-Hist I*		3 hrs
Psy/Ant/Soc		3 hrs
Science		3 hrs

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
CGS 2100C	Computer Fundamentals for Business	3 hrs
ENC 1102	Composition II	3 hrs
Cult-Hist II*		3 hrs
Science		3 hrs
Art/Music/Lit		3 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
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

<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 3401	Quantitative Business Tools I	3 hrs
MAR 3023	Marketing	4 hrs
POS 2041	American National Government	3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
ACG 3131	Intermediate Financial Accounting I	3 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
ISM 3011C	Essentials of Management Information Systems	4 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
ACG 3141	Intermediate Financial Accounting II	3 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs

<b>Senior Year - Fall</b>		<b>13 hrs</b>
ACG 3361	Cost Accounting I	3 hrs
ACG 4401C	Accounting Information Systems	3 hrs
FIN 3403C	Business Finance	4 hrs
TAX 4001	Taxation of Business Entities and Transactions	3 hrs

<b>Senior Year - Spring</b>		<b>16 hrs</b>
ACG 3501	Financial Accounting for Governmental and Nonprofit Organizations	3 hrs
<sup>1</sup> ACG 4651	Auditing	3 hrs
ACG 4803	Contemporary Issues in Accounting	3 hrs
MAN 4720	Strategic Management	4 hrs
Free Elective		3 hrs

<sup>1</sup> \*\*"C" (2.0) or better grade required in each class.

\*\*Accounting majors must have a "C" (2.0) or better in each class to include law and tax and a 2.0 GPA major.

\*\*\*General electives as required to reach 120 semester hours.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alacademic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alacademic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

# UCF Degree Programs

## Advertising-Public Relations (B.A.)

### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

**<http://communication.cos.ucf.edu>**

**E-mail: [adpr@mail.ucf.edu](mailto:adpr@mail.ucf.edu)**

Joan McCain - Area Coordinator, [jmccain@mail.ucf.edu](mailto:jmccain@mail.ucf.edu)  
 Rebecca Morales - Academic Support, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu)  
 407-823-2681

#### Admission Requirements

- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
  - Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
  - The student's GPA is a major component of the admission criteria.
  - The admission GPA will be calculated using all college work attempted.
  - The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
  - Students must demonstrate acceptable keyboard skills.
  - Students must receive a positive evaluation by the Nicholson School of Communication.
  - Students must successfully complete, or be enrolled in, the following courses before applying:
- |  |              |
|--|--------------|
| <b>Complete the following:</b>         | <b>6 hrs</b> |
| ADV 3008 Principles of Advertising and | 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;
- July 1 to be admitted the next fall term.

#### Degree Requirements

- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor's prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hour may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

##### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Required	SPC 1608	Fundamentals of Oral Communication	3 hrs

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

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select one course from group B 2.			3 hrs

##### C: Mathematical Foundations (6 hrs)

<b>Math</b>			<b>3 hrs</b>
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics or	3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.			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)

<b>Economics</b>			<b>3 hrs</b>
Required	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Required	ECO 2023	Principles of Microeconomics	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	GEP
ECO 2023	Principles of Microeconomics	GEP

##### Select this Speech course:

SPC 1608	Fundamentals of Oral Communication	GEP
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#### 3. Core Requirements: Basic Level (6 hrs)

**Must be in progress or completed before applying to the program:**

<b>Complete all of the following:</b>		<b>6 hrs</b>
ADV 3008	Principles of Advertising and	3 hrs
PUR 4000	Public Relations	3 hrs

**May be completed before or after admission to the program:**

<b>Complete the following classes:</b>		
SPC 1608	Fundamentals of Oral Communication and	GEP/CPP
STA 2014C	Principles of Statistics	GEP/CPP

##### Complete either economics class:

ECO 2023	Principles of Microeconomics or	GEP/CPP
ECO 2013	Principles of Macroeconomics	GEP/CPP

#### 4. Core Requirements: Advanced Level (21 hrs)

##### Complete after admission to the program:

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

##### Select one internship:

ADV 4941	Internship or	3 hrs
PUR 4941	Internship	3 hrs

#### 5. Restricted Electives (12 hrs)

##### Complete a maximum of 12 credits of the following after

##### admission to the program:

ADV 4103	Radio-Television Advertising	3 hrs
ADV 4300	Advertising Media Planning	3 hrs
COM 3110	Business and Professional Communication	3 hrs
JOU 4700	Journalism Ethics	3 hrs
PUR 4110C	Public Relations Publications	3 hrs
PUR 4801	Public Relations Case Studies	3 hrs

##### You may take either internship, but not both.

ADV 4941	Internship or	3 hrs
PUR 4941	Internship	3 hrs

#### 6. Capstone Requirements

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

#### 7. Foreign Language Requirements

##### Admissions

- Met by graduation requirement.

##### Graduation



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

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

### 8. Electives

- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

### 9. Additional Requirements

- None

### 10. Required Minors

- None required. However if a minor desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

### 11. Departmental Exit Requirements

- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.

- Achieve an overall "C" GPA (2.0) in required UCF Ad-PR courses. This GPA does not include electives.

- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Marketing

### Certificates

- None

### Related Minors

- NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.

- Business

- Digital Media

- Writing and Rhetoric

- Hospitality Management

- Marketing

- Political Science

- Psychology

- Sociology

### Advising Notes

- Students must satisfy each course's prerequisites before enrolling in the class.

### Transfer Notes

- Lower division courses taken at community colleges do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

<b>Freshman Year - Fall</b>	<b>13 hrs</b>
ENC 1101    Composition I	3 hrs
GEP	3 hrs
GEP	3 hrs
Foreign Language	4 hrs

<b>Freshman Year - Spring</b>	<b>16 hrs</b>
ENC 1102    Composition II	3 hrs
STA 2014C   Principles of Statistics	3 hrs
GEP	3 hrs
Foreign Language	4 hrs
SPC 1608    Fundamentals of Oral Communication	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
GEP	3 hrs
GEP	3 hrs
ECO 2023    Principles of Microeconomics	3 hrs
PUR 4000    Public Relations	3 hrs
Free Elective-take outside of NSC	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
GEP	3 hrs
ADV 3008    Principles of Advertising	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs
Application to program	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
Restricted Elective	3 hrs
VIC 3001    Visual Communication	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
ADV 4101    Advertising Copywriting	3 hrs
COM 3311    Communication Research Methods	3 hrs
MMC 3200    Mass Communication Law	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
PUR 3100    Writing for Public Relations	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
PUR 4941    Internship or	3 hrs
ADV 4941    Internship	3 hrs
Free Elective-take outside of NSC	4 hrs
Graduation Review	

<b>Senior Year - Spring</b>	<b>15 hrs</b>
MMC 4411    Ad-PR Campaigns	3 hrs
Restricted Elective	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs
Free Elective-take outside of NSC	3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes)

for undergraduate programs are located at:

[http://www.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: \$22 per term

- Full-Time Student: \$44 per term

# UCF Degree Programs

## Aerospace Engineering (B.S.A.E.)

### College of Engineering and Computer Science

#### Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307

<http://www.mmae.ucf.edu>

**E-mail:** [mmaeugrad@mail.ucf.edu](mailto:mmaeugrad@mail.ucf.edu)

Dr. Kuo-Chi Lin, [klin@mail.ucf.edu](mailto:klin@mail.ucf.edu), 407-823-0137

Undergraduate Advisor, [mmaeugrad@ucf.edu](mailto:mmaeugrad@ucf.edu)

407-823-2416

#### Admission Requirements

- None

#### Degree Requirements

- None

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

UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

#### Select 1: (3 hrs)

Prefer	SPC 1603	Fundamentals of Technical Presentations or	3 hrs
Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs

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

Select two classes from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

#### D: Social Foundations (6 hrs)

Select 1: (3 hrs)			
Prefer	ECO 2013	Principles of Macroeconomics or	3 hrs
Prefer	ECO 2023	Principles of Microeconomics	3 hrs
Select one class from Social Foundations			3 hrs

#### E: Science Foundations (7 hrs)

Suggested	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Select one class from Science Foundations			3 hrs

#### 2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.

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

<sup>1</sup> MAC 2311	Calculus with Analytic Geometry I	GEP
<sup>1</sup> MAC 2312	Calculus with Analytic Geometry II	4 hrs
<sup>1</sup> MAC 2313	Calculus with Analytic Geometry III	4 hrs
<sup>1</sup> MAP 2302	Differential Equations	3 hrs
<sup>1</sup> PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

#### Select 1: (4 hrs)

<sup>1</sup> CHS 1440	Fundamentals of Chemistry for Engineers or	4 hrs
<sup>1</sup> CHM 2045C	Chemistry Fundamentals I or	4 hrs
<sup>2</sup> CHM 2040	Chemistry Fundamentals IA or	3 hrs
<sup>3</sup> CHM 2041	Chemistry Fundamentals IB	3 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

<sup>2</sup> A "C" (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.

<sup>3</sup> 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)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

#### 4. Core Requirements: Advanced Level (54 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EMA 3706	Structure and Properties of Aerospace Materials	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EAS 3010	Fundamentals of Aerospace Flight	3 hrs
EAS 3101	Fundamentals of Aerodynamics	3 hrs
EAS 3800C	Aerospace Engineering Measurements	3 hrs
EAS 3810C	Design of Aerospace Experiments	3 hrs
EAS 4105	Flight Mechanics	3 hrs
EAS 4134	High-Speed Aerodynamics	3 hrs
EAS 4200	Flight Structures	3 hrs
EAS 4300	Aerothermodynamics of Propulsion Systems	3 hrs
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 4312C	Feedback Control	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EAS 4210	Space Structural Dynamics	3 hrs

#### Select 1: (3 hrs)

EAS 3530	Space Systems Concepts or	3 hrs
EAS 4505	Orbital Mechanics	3 hrs

#### 5. Restricted Electives (9 hrs)

Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

<http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf>

#### 6. Capstone Requirements (6 hrs)

These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

#### Select 1: (3 hrs)

EAS 4700C	Aerospace Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

#### Select 1: (3 hrs)

EAS 4710C	Aerospace Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

#### 7. Foreign Language Requirements

##### Admissions

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

##### Graduation

- None

##### 8. Electives

- None

##### 9. Additional Requirements

- None

##### 10. Required Minors

- None

##### 11. Departmental Exit Requirements

- 25% of course work must be in residency at UCF.

## 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 128

### Honors In Major

- None

### Related Programs

- Mechanical Engineering

### Certificates

- None

### Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

### Advising Notes

- Double Degree/Double Major requirements listed under college section of the catalog.

### Career and Academic Advising

- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EAS 3990	Aerospace Career and Academic Faculty Advising I	0 hrs
EAS 4991	Aerospace Career and Academic Faculty Advising II	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 degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall 15 hrs

EGN 1006C	Introduction to the Engineering Profession	1 hr
ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
GEP		3 hrs

#### Select 1: 4 hrs

<sup>1</sup> CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
	or	
CHM 2045C	Chemistry Fundamentals I or	4 hrs
CHM 2040	Chemistry Fundamentals IA or	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

<sup>1</sup> Preferred

#### 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: 3 hrs

SPC 1603	Fundamentals of Technical Presentations	3 hrs
	or	
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	Differential Equations	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

EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
EGM 3601	Solid Mechanics	3 hrs

#### Sophomore Year - Summer 9 hrs

GEP		3 hrs
GEP		3 hrs

#### Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

#### Junior Year - Fall 15 hrs

EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EAS 3010	Fundamentals of Aerospace Flight	3 hrs
EAS 3800C	Aerospace Engineering Measurements	3 hrs
EAS 4200	Flight Structures	3 hrs
<sup>1</sup> EAS 3530	Space Systems Concepts	3 hrs
EAS 3990	Aerospace Career and Academic Faculty Advising I	0 hrs

<sup>1</sup> May choose not to take this course and take EAS 4505 in the Spring semester or may take both and one will count as required and the other an elective.

#### Junior Year - Spring 15 hrs

EAS 3101	Fundamentals of Aerodynamics	3 hrs
EAS 4210	Space Structural Dynamics	3 hrs
EAS 3810C	Design of Aerospace Experiments	3 hrs
Upper Division Elective		3 hrs
<sup>1</sup> EAS 4505	Orbital Mechanics	3 hrs

<sup>1</sup> This will be used as an elective if EAS 3530 was already taken.

#### Senior Year - Fall 12 hrs

EML 4312C	Feedback Control	3 hrs
EAS 4105	Flight Mechanics	3 hrs
EAS 4134	High-Speed Aerodynamics	3 hrs
EAS 4991	Aerospace Career and Academic Faculty Advising II	0 hrs

#### Select 1: 3 hrs

EAS 4700C	Aerospace Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

#### Senior Year - Spring 15 hrs

EAS 4300	Aerothermodynamics of Propulsion Systems	3 hrs
Upper Division Elective		3 hrs
GEP		3 hrs
Upper Division Elective		3 hrs

#### Select 1: 3 hrs

EAS 4710C	Aerospace Design II or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

### Program Academic Learning Compacts

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

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

# UCF Degree Programs

## Anthropology (B.A.)

### College of Sciences

Department of Anthropology, Philips Hall, Room: 309

<http://www.cos.ucf.edu/anthropology>

Dr. John Schultz, jschultz@mail.ucf.edu  
407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

#### Admission Requirements

- None

#### Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department
- Students must maintain a grade of "C"(2.0) or better in all courses used for the major
- Co-op or internship credit cannot be used in the major without prior approval
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: 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 3 hrs

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)

Required ANT 2000 General Anthropology 3 hrs

Select from GEP D.1 list 3 hrs

E: Science Foundations (6 hrs)

Required ANT 2511 The Human Species 3 hrs

Select from GEP E.1 list 3 hrs

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

- See Transfer Notes for possible substitutes

- See "Common Prerequisites" in the Transfer and Transitions

Services section

ANT 2000 General Anthropology GEP

ANT 2511 The Human Species GEP

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

ANT 2000 General Anthropology GEP/CPP

ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

ANT 2410 Cultural Anthropology 3 hrs

ANT 2511 The Human Species GEP/CPP

#### 4. Core Requirements: Advanced Level (12 hrs)

ANT 3145 Archaeology of Complex Societies 3 hrs

ANT 3610 Language and Culture 3 hrs

ANT 4034 History of Anthropological Thought 3 hrs

ANT 4586 Human Origins 3 hrs

#### 5. Restricted Electives (21 hrs)

Area Study 3 hrs

- Select at least one of the following courses:

ANT 3158 Florida Archaeology 3 hrs

ANT 3163 Mesoamerican Archaeology 3 hrs

ANT 3168 Maya Archaeology 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 3314 Indians of the Northeast Woodlands 3 hrs

ANT 3318 Indians of the Northwest Coast 3 hrs

ANT 3319 Anthropology of Diaspora 3 hrs

ANT 4332 People and Cultures of Latin America 3 hrs

ANT 3148 Life and Death in Ancient Egypt 3 hrs

ANT 3363 Anthropology of Japan 3 hrs

ANT 4144 Prehistory of North America 3 hrs

ANT 4153 North American Archaeology 3 hrs

ANT 4352 African Societies and Cultures 3 hrs

ANT 4354 Postcolonial Africa 3 hrs

ANT 4308 Gender Issues in Latin America 3 hrs

ANT 3164 Ancient Incas 3 hrs

ANT 4340 Caribbean Cultures 3 hrs

ANT 3160 Americas Before Columbus 3 hrs

ANT 3161 Archaeology of Mexico 3 hrs

ANT 3165 Archaeology of South America 3 hrs

ANT 3152 Indians of the Southwest 3 hrs

ANT 3344 Puerto Rican Culture 3 hrs

ANT 3362 Peoples of Southeast Asia 3 hrs

#### Restricted Electives 18 hrs

- Select at least six other Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).

ANT 3115 Archaeological Method and Theory 3 hrs

ANT 3142 Old World Prehistory 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 3398 Black/Seminole Relations 3 hrs

ANT 3541 Biobehavioral Anthropology 3 hrs

ANT 3550 Primatology 3 hrs

ANT 3701 Applied Anthropology 3 hrs

ANT 4802 Ethnographic Field Methods 3 hrs

ANT 4180C Seminar in Laboratory Analysis 3 hrs

ANT 4266 Economic Anthropology: Production, Consumption, and Exchange

ANT 4462 Medical Anthropology 3 hrs

ANT 4516 Human Biological Diversity 3 hrs

ANT 4521 Forensic Anthropology 3 hrs

ANT 4525C Human Osteology 4 hrs

ANT 4528C Advanced Forensic Anthropology 5 hrs

ANT 4824 Advanced Archaeological Fieldwork 9 hrs

ANG 5822 Maya Field Research 3 hrs

ANG 5166 Problems in Maya Studies 3 hrs

ANG 5167 Maya Hieroglyphs 3 hrs

ANG 5228 Maya Iconography 3 hrs

ANG 5622 Language, Culture and Pedagogy 3 hrs

ANG 5742 Problems in Forensic Anthropology 3 hrs

<sup>1</sup> ANT 4183 Archaeological Sciences 3 hrs

<sup>1</sup> ANT 4184 Mortuary Archaeology 3 hrs

<sup>1</sup> ANT 4303 Anthropology of Tourism 3 hrs

<sup>1</sup> ANT 4467 Nutritional Anthropology 3 hrs

<sup>1</sup> ANT 4702 Culture, Power and Development 3 hrs

ANT 3106 Archaeology and Popular Culture 3 hrs

ANT 3177 Archaeology of Caribbean Piracy 3 hrs

ANT 3330 Cultural Ecology of Amazonia 3 hrs

ANT 3393 American Indian Literature and Culture in Florida

ANT 3450 Living in the USA: Anthropological Perspectives 3 hrs

ANT 3949 Cooperative Education in Anthropology 0 hrs

ANT 4013 Anthropological Perspectives on Fast Food 3 hrs

ANT 3173 Archaeology of Sex 3 hrs

ANT 4308 Gender Issues in Latin America 3 hrs

ANT 4408 Culture, Disease, and Healing 3 hrs

ANT 4560 Anthropological Perspectives on Human Growth

<sup>1</sup> Alternatively, you 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.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

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

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Social Sciences
- Sociology

## Certificates

- None

## Related Minors

- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women's Studies

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges 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.

Freshman Year - Fall		15 hrs
ANT 2000	General Anthropology	3 hrs
ENC 1101	Composition I	3 hrs
COM 1000	Introduction to Communication	3 hrs
GEP		3 hrs
MGF 1107	Explorations in Mathematics	3 hrs

Freshman Year - Spring		15 hrs
ANT 2511	The Human Species	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

Sophomore Year - Fall		15 hrs
ANT 2140	Archaeology and the Rise of Human Culture	3 hrs
ANT 2410	Cultural Anthropology	3 hrs
Free Elective		3 hrs
Restricted Elective		3 hrs
GEP		3 hrs

Sophomore Year - Spring		15 hrs
ANT 3610	Language and Culture	3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs

Junior Year - Fall		15 hrs
ANT 3145	Archaeology of Complex Societies	3 hrs
Foreign Language		4 hrs
Restricted Elective		3 hrs
Elective / Minor		2 hrs
Elective / Minor		3 hrs

Junior Year - Spring		15 hrs
ANT 4586	Human Origins	3 hrs
Foreign Language		4 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		2 hrs

Senior Year - Fall		15 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Free Elective		3 hrs

Senior Year - Spring		15 hrs
ANT 4034	History of Anthropological Thought	3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Elective / Minor		3 hrs

## Program Academic Learning Compacts

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

## Architecture (B.Des.)

### College of Arts and Humanities

### School of Visual Arts and Design

(This program is offered at UCF at the Valencia West Campus)

<http://architecture.ucf.edu/>

John Maudlin-Jeronimo, Program Director, 407-582-5419

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia Community College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida.

## Admission Requirements

- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participate in a competitive portfolio pin-up review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements.

## Degree Requirements

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

## UCF Degree Programs

- Students must earn at least a "C" in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of course work, including all required courses.

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

- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (6 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP)

- Completion of the A.A. in pre-Architecture from VCC or equivalent.

### 3. Core Requirements: Basic Level (34 hrs)

- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180

Introduction to Digital Architecture are electives in VCC's architecture program but required for the B.Des. at UCF. See courses below.

ARC 1701	History of Architecture I or equivalent	3 hrs
ARC 2702	History of Architecture II or equivalent	3 hrs
ARC 1301	Architectural Design I	4 hrs
ARC 1302	Architectural Design II	4 hrs
ARC 1201	Theory of Architecture	3 hrs
ARC 2303	Architectural Design III	5 hrs
ARC 2304	Architectural Design IV	5 hrs
ARC 2461	Materials and Methods of Construction	4 hrs
ARC 2180	Introduction to Digital Architecture	3 hrs

### 4. Core Requirements: Advanced Level (45 hrs)

- Completed as part of the Bachelor of Design program at UCF.
- ARC 3181 Advanced Topics in Digital Architecture 3 hrs
- ARC 3320L Architectural Design 5 6 hrs
- ARC 3321L Architectural Design 6 6 hrs
- ARC 3463 Materials and Methods of Construction 2 3 hrs
- ARC 3503 Architectural Structures 3 hrs
- ARC 3610 Environmental Technology 1 3 hrs
- ARC 3743 Architectural History 3 3 hrs
- ARC 4220 Architectural Theory 2 3 hrs
- ARC 4322L Architectural Design 7 6 hrs
- ARC 4323L Architectural Design 8 6 hrs
- ARC 4620 Environmental Technology 2 3 hrs

### 5. Restricted Electives

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- None

#### Graduation

- None

### 8. Electives (10 hrs)

- Any 3000 or 4000 level course offered within the college.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- None

### Certificates

- Public and Professional Writing

### Related Minors

- Art - Studio
- Art History
- Cognitive Sciences
- Digital Media
- Film - Cinema Studies
- Humanities
- Philosophy
- English - Technical Communication
- Writing and Rhetoric

### Advising Notes

- None

### Transfer Notes

- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

- Courses taken at community colleges do not substitute for Upper Division courses.

- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

### Plan of Study

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oead.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oead.ucf.edu/alc/academic_learning_compacts.htm)

## Art - Emerging Media Track (B.F.A.)

### College of Arts and Humanities

### School of Visual Arts and Design

<http://www.svad.ucf.edu>

E-mail: [svad@mail.ucf.edu](mailto:svad@mail.ucf.edu)

407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (<http://www.cstore.ucf.edu>) for the minimum hardware and software specifications.

### Admission Requirements

- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.

- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.

■ Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.

■ "D" grades from other institutions do not meet departmental requirements.

■ Note: Individual portfolio reviews are not possible due to the large number of applicants.

**Degree Requirements**

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.

■ Students must earn at least a "C" (2.0) in each required course, except DIG 2000 as noted.

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

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

**1. UCF General Education Program (GEP) (37 hrs)**

**A: Communication Foundations (9 hrs)**

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

**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)**

**E: Science Foundations (6 hrs)**

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

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

<sup>1</sup> ART 2203C Design Fundamentals-Three Dimensional 3 hrs

<sup>1</sup> ART 2300C Drawing Fundamentals I 3 hrs

<sup>1</sup> ART 2301C Drawing Fundamentals II 3 hrs

ARH 2050 History of Western Art I 3 hrs

ARH 2051 History of Western Art II 3 hrs

<sup>1</sup> 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

<sup>1</sup> See Transfer Notes for possible substitutes

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

ART 2823 Art as Interface 3 hrs

ARH 2500 History of Non-Western Art 3 hrs

MAC 1105C College Algebra GEP

COP 2500C Concepts in Computer Science 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)**

ART 3950 Portfolio Review 0 hrs

DIG 3024 Digital Cultures & Narrative 3 hrs

DIG 3525 Digital Media Production I 3 hrs

DIG 3480C Computer as a Medium 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 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 0 hrs

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 39 hrs**

■ Character Animation Core - 15 hours

ART 3643C Digital Effects & Compositing 3 hrs

DIG 4325C Look Modeling Workshop 3 hrs

DIG 4326C Geometrical Modeling Workshop 3 hrs

FIL 3720C Introduction to Animation 3 hrs

FIL 3734C Intermediate Animation 3 hrs

■ Character Animation Basic Concentration - 24 hours

DIG 3355C Artificial Environments and Effects 3 hrs

DIG 3433C Visual Storytelling and Visual Development 3 hrs

DIG 4359C Artificial Environments and Effects 3 hrs

Workshop

DIG 4206C New Imagery in Motion Workshop 3 hrs

DIG 4394C Motion Graphics: Advanced Compositing 3 hrs

DIG 4434C Narrative Techniques in the Moving Image 3 hrs

DIG 4486C Visual Language of Moving Image II 3 hrs

DIG 4451C Visual Storytelling and Visual Development 3 hrs

Workshop

**Experimental Animation 39 hrs**

■ Experimental Animation Core - 15 hours

ART 3643C Digital Effects & Compositing 3 hrs

DIG 4325C Look Modeling Workshop 3 hrs

DIG 4326C Geometrical Modeling Workshop 3 hrs

FIL 3720C Introduction to Animation 3 hrs

FIL 3734C Intermediate Animation 3 hrs

■ 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

hours required outside the specialization area from 3000

or 4000 ART, ARH, GRA, DIG courses or any 3000 or

4000 level courses approved by the School

**6. Capstone Requirements**

■ None

**7. Foreign Language Requirements**

**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 lan-

guages 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 resi-

dency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit

by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the

CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 124

# UCF Degree Programs

## Honors In Major

- None

## Related Programs

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

## Certificates

- None

## Related Minors

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

## Advising Notes

- None

## Transfer Notes

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

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- None

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63.00 per term

## Art - History Track (B.A.)

### College of Arts and Humanities

### School of Visual Arts and Design, Visual Arts Building,

### Room: 117

<http://www.svad.ucf.edu/>

Margaret Zaho  
407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

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

- Required ARH 2050 History of Western Art I 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs
- Select a course from 1.B.1 list 3 hrs

## C: Mathematical Foundations (6 hrs)

- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- <sup>1</sup> Prefer MGF 1106 Finite Mathematics 3 hrs

<sup>1</sup> may substitute a higher level math

## 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.

- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II GEP

## 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 3311 Advanced Expository Writing 3 hrs

## 5. Restricted Electives (24 hrs)

Select one Non-Western Art History course from the

following:

- ARH 4540 Art of India 3 hrs
- ARH 4653 Meso American Art 3 hrs
- ARH 3520 African Art 3 hrs

One of the following courses:

- 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:

- ARH 3471 Art in the Last 25 Years 3 hrs
- ARH 3520 African Art 3 hrs
- ARH 3610 American Art 3 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 3713 20th Century Photographic History 3 hrs
- ARH 3720 History of Prints 3 hrs
- ARH 4350 Baroque Art 3 hrs
- ARH 4653 Meso American Art 3 hrs
- ARH 4871 Women in Art 3 hrs
- ARH 5897 Advanced Seminar in Art History 3 hrs
- ARH 4150 Roman Art and Architecture 3 hrs
- ARH 4200 Medieval Art 3 hrs
- ARH 4352 Italian Baroque Art 3 hrs
- ARH 3728 History of Illustration 3 hrs
- ARH 3XXX-4XXX Additional Art History course 3 hrs

## 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.
- ARH 4912 Directed Independent Research 1 hr
- Computer Competency met by one of the following:
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

## 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Art - Studio Art Track
- Art Education

### Certificates

- None

### Related Minors

- Art - Studio
- Community Arts - PAVE

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

<b>Freshman Year - Fall</b>	<b>12 hrs</b>
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

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ARH 2051 History of Western Art II	3 hrs
ENC 1102 Composition II	3 hrs
STA 1060C Basic Statistics Using Microsoft Excel	3 hrs
ARH 2500 History of Non-Western Art	3 hrs
Restricted Elective	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
COM 1000 Introduction to Communication	3 hrs
POS 2041 American National Government	3 hrs
ART 2201C Design Fundamentals-Two Dimensional	3 hrs
ENC 3311 Advanced Expository Writing	3 hrs
ART 2300C Drawing Fundamentals I	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
ANT 2000 General Anthropology	3 hrs
BSC 1005 Biological Principles	3 hrs
CHM 1020 Concepts in Chemistry	3 hrs
ARH 4540 Art of India	3 hrs
SPN 1120C Elementary Spanish Language and Civilization I	4 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
ARH 4310 Italian Renaissance Art	3 hrs
ARH 4450 20th Century Art	3 hrs
ARH 3710 History of Photography I	3 hrs
ARH 4653 Meso American Art	3 hrs
SPN 1121C Elementary Spanish Language and Civilization II	4 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
ARH 4430 19th Century Art	3 hrs
ARH 4800 Theory and Criticism of the Visual Arts	3 hrs
ARH 3711 History of Photography II	3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I	3 hrs
Restricted Elective	3 hrs
ARH 3713 20th Century Photographic History	3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>
ARH 4350 Baroque Art	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
ARH 4XXX	3 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>
ARH 4170 Greek & Roman Art	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/alca/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alca/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$31.50 per term
- Full-Time Student: \$63 per term

## Art - Studio Art Track (B.F.A.)

### College of Arts and Humanities

**School of Visual Arts and Design, Visual Arts Building,  
Room: 117**

[http:// www.svad.ucf.edu](http://www.svad.ucf.edu)

**E-mail: [svad@mail.ucf.edu](mailto:svad@mail.ucf.edu)**

407-823-2676

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

### Admission Requirements

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

### Degree Requirements

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

# UCF Degree Programs

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
<b>Take all of the following:</b>	<b>6 hrs</b>
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	
<b>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
Prefer STA 1060C Basic Statistics Using Microsoft Excel	3 hrs
<b>Select 1:</b>	<b>3 hrs</b>
Prefer MGF 1106 Finite Mathematics or	3 hrs
<sup>1</sup> Prefer MGF 1107 Explorations in Mathematics	3 hrs
<sup>1</sup> (may substitute a higher level math)	
<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<b>2. Common Program Prerequisites (CPP)</b>	<b>(18 hrs)</b>
ART 2201C Design Fundamentals-Two Dimensional	3 hrs
<sup>1</sup> ART 2203C Design Fundamentals-Three Dimensional	3 hrs
<sup>1</sup> ART 2300C Drawing Fundamentals I	3 hrs
<sup>1</sup> ART 2301C Drawing Fundamentals II	3 hrs
ARH 2050 History of Western Art I	GEP
ARH 2051 History of Western Art II	GEP
<sup>1</sup> GRA Introduction to Computer Art	3 hrs
2101C	
Any ART prefix, studio, or media courses at the 2000-4000 levels	3 hrs
See "Common Prerequisites" in the Transfer and Transitions Services section for more information	
<sup>1</sup> *See Transfer Notes for possible substitutes	
<b>3. Core Requirements: Basic Level</b>	<b>(6 hrs)</b>
ARH 2500 History of Non-Western Art	3 hrs
ART 2823 Art as Interface	3 hrs
GRA 2101C Introduction to Computer Art	CPP
<b>4. Core Requirements: Advanced Level</b>	
ART 3950 Portfolio Review	0 hrs
<b>5. Restricted Electives</b>	<b>(42 hrs)</b>
<b>a. Specialization:</b>	<b>18 hrs</b>
■ Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)	
<b>Book Arts</b>	
ART 3176C The Illuminated Book or	3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts or	3 hrs
ART 3170C Book Binding or	3 hrs
ART 3171C Materials for Artist Books or	3 hrs
ART 3737C Narrative Sculpture or	3 hrs
ART 4172C Book Repair and Restoration or	3 hrs
ART 4644C Books Without Books or	3 hrs
ART 4177C Commercial Book Design and Publishing or	3 hrs
ART 4173C The Artist Book or	3 hrs
ART 4174C The Printed Book	3 hrs
<b>Ceramics</b>	
ART 3761C Intermediate Ceramics or	3 hrs
ART 3764C Ceramic Handbuilding I or	3 hrs
<sup>1</sup> ART 4783C Advanced Ceramics	3 hrs
<b>Drawing</b>	
ART 3332C Intermediate Drawing or	3 hrs
<sup>1</sup> ART 4320C Advanced Drawing	3 hrs
<b>Drawing/Printmaking Combination</b>	
ART 3332C Intermediate Drawing or	3 hrs
<sup>1</sup> ART 4320C Advanced Drawing or	3 hrs
ART 3433C Screenprinting or	3 hrs
<sup>1</sup> ART 4402C Advanced Printmaking	3 hrs
<b>Drawing/Illustration Combination</b>	
ART 3332C Intermediate Drawing or	3 hrs
<sup>1</sup> ART 4320C Advanced Drawing or	3 hrs
GRA 3747 Intermediate Illustration I or	3 hrs
<sup>1</sup> GRA 4154C Advanced Illustration	3 hrs

<b>Painting</b>		
ART 3504C Intermediate Painting or		3 hrs
<sup>1</sup> ART 4505C Advanced Painting		3 hrs
<b>Photography</b>		
PGY 3410C Intermediate Photography or		3 hrs
<sup>1</sup> PGY 4420C Advanced Photography or		3 hrs
PGY 4440C Special Problems in Photography		3 hrs

<b>Sculpture</b>		
<sup>1</sup> ART 4710C Advanced Sculpture		3 hrs

<sup>1</sup> May be repeated for credit.

**b. Electives in Art: 15 hrs**  
 ■ Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.

■ Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

**c. Additional Electives 9 hrs**

■ Select three upper division Art History courses or  
 ■ Select one upper division course in Art History or Humanities or  
 ■ (A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

## 6. Capstone Requirements

■ None

## 7. Foreign Language Requirements

### Admissions

■ Met by graduation requirement

### Graduation

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

## 8. Electives

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

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements (3 hrs)

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

## 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ Art - History Track  
 ■ Art Education  
 ■ Art - Emerging Media Track  
 ■ Art - Visual Arts and Emerging Media Management Track

### Certificates

■ None

### Related Minors

■ Community Arts - PAVE

### Advising Notes

■ None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

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

## Plan of Study

- None

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.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: \$63.00 per term

## Art - Studio Track (B.A.)

### College of Arts and Humanities

### School of Visual Arts and Design, Visual Arts Building,

### Room: 117

<http://www.svad.ucf.edu>

**E-mail: [svad@mail.ucf.edu](mailto:svad@mail.ucf.edu)**

Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lap top computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

## Admission Requirements

- All junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

## Degree Requirements

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

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required ARH 2050 History of Western Art I 3 hrs

Required ARH 2051 History of Western Art II 3 hrs

Select a course from 1.B.1 List 3 hrs

C: Mathematical Foundations (6 hrs)

Prefer MGF 1106 Finite Mathematics 3 hrs

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

ART 2203C Design Fundamentals-Three Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

ART 2301C Drawing Fundamentals II 3 hrs

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

GRA 2101C Introduction to Computer Art 3 hrs

Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)

ART 2823 Art as Interface 3 hrs

ARH 2500 History of Non-Western Art 3 hrs

ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level

- None

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

<sup>1</sup>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

<sup>1</sup>ART 4644C Books Without Books 3 hrs

<sup>1</sup> May be repeated for credit.

### Ceramics

ART 3761C Intermediate Ceramics 3 hrs

<sup>1</sup>ART 4783C Advanced Ceramics 3 hrs

<sup>1</sup> May be repeated for credit.

### Drawing and Printmaking

ART 3332C Intermediate Drawing 3 hrs

ART 3433C Screenprinting 3 hrs

<sup>1</sup>ART 4320C Advanced Drawing 3 hrs

<sup>1</sup>ART 4402C Advanced Printmaking 3 hrs

<sup>1</sup> May be repeated for credit.

### Illustration

GRA 3747 Intermediate Illustration I 3 hrs

<sup>1</sup>GRA 4154C Advanced Illustration 3 hrs

<sup>1</sup> May be repeated for credit.

### Painting

ART 3504C Intermediate Painting 3 hrs

<sup>1</sup>ART 4505C Advanced Painting 3 hrs

<sup>1</sup> May be repeated for credit.

### Photography

PGY 2401C Beginning Photography 3 hrs

<sup>1</sup>PGY 4420C Advanced Photography 3 hrs

PGY 4440C Special Problems in Photography 3 hrs

<sup>1</sup> May be repeated for credit.

### Sculpture

ART 2701C Sculpture 3 hrs

<sup>1</sup>ART 4710C Advanced Sculpture 3 hrs

<sup>1</sup> 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.

# UCF Degree Programs

## Graduation

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

## 8. Electives

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

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ Achieve at least a GPA (2.0) overall in courses within the major.

■ Computer Competency met by:

STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
GRA 2101C	Introduction to Computer Art	3 hrs

## 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

■ 120

## Honors In Major

■ None

## Related Programs

■ Art Education

■ Art - Emerging Media Track

■ Art - Visual Arts and Emerging Media Management Track

## Certificates

■ None

## Related Minors

■ Digital Media

## Advising Notes

■ None

## Transfer Notes

■ Courses taken at community colleges do not substitute for Upper Division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.

GRA 2101C	Introduction to Computer Art	3 hrs
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may be substituted with:

## Plan of Study

<b>Freshman Year - Fall</b>		
ARH 2050	History of Western Art I	3 hrs
ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
ART 2823	Art as Interface	3 hrs

<b>Freshman Year - Spring</b>		
ARH 2051	History of Western Art II	3 hrs
ENC 1102	Composition II	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
	Restricted Elective	3 hrs

<b>Sophomore Year - Fall</b>		
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

<b>Sophomore Year - Spring</b>		
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

<b>Junior Year - Fall</b>		
ART 3332C	Intermediate Drawing	3 hrs
GRA 3747	Intermediate Illustration I	3 hrs
<sup>1</sup> SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

<sup>1</sup> Any language at this level is acceptable.

<b>Junior Year - Spring</b>		
ART 3161	Mixed Media	3 hrs
ART 4320C	Advanced Drawing	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
<sup>1</sup> SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

<sup>1</sup> Any language at this level is accepted.

<b>Senior Year - Fall</b>		
ARH 4350	Baroque Art	3 hrs
ART 4320C	Advanced Drawing	3 hrs
PGY 3410C	Intermediate Photography	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

<b>Senior Year - Spring</b>		
ARH 4430	19th Century Art	3 hrs
GRA 4154C	Advanced Illustration	3 hrs
PGY 4420C	Advanced Photography	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

## Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.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: \$63.00 per term

## Art - Visual Arts and Emerging Media Management Track (B.A.)

### College of Arts and Humanities

### School of Visual Arts and Design

<http://svad.cah.ucf.edu>

407-823-2676

Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

## Admission Requirements

■ None

## Degree Requirements

■ All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.

- 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)**

<sup>1</sup> Prefer MGF 1106 Finite Mathematics 3 hrs

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (may substitute a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

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

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

<sup>1</sup> 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

ARH 2051 History of Western Art II GEP

<sup>1</sup> GRA 2101C Introduction to Computer Art 3 hrs

ART 2XXX-4XXX Any ART prefix, studio, or media course 3 hrs

See "Common Prerequisites" in the Transfer and

Transitions Services section for more information

<sup>1</sup> 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 3471 Art in the Last 25 Years or 3 hrs

ARH 3710 History of Photography I or 3 hrs

ARH 3711 History of Photography II or 3 hrs

ARH 3720 History of Prints or 3 hrs

ARH 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 3024 Digital Cultures & Narrative or 3 hrs

ENC 3241 Writing for the Technical Professional or 3 hrs

ENC 3250 Professional Writing or 3 hrs

ENC 3311 Advanced Expository Writing 3 hrs

**Information Management 6 hrs**

**Select 2: 6 hrs**

<sup>1</sup> DIG 3525 Digital Media Production I or 3 hrs

DIG 3480C Computer as a Medium or 3 hrs

<sup>1</sup> DIG 3563 Information Management and 3 hrs

Entrepreneurship or

DIG 3716C Internet Interaction or 3 hrs

DIG 4630C Media Business Practices or 3 hrs

DIG 5565C Digital Asset Management Systems 3 hrs

<sup>1</sup> These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

**Business 3 hrs**

**Select 1: 3 hrs**

<sup>1</sup> GEB 3113 How to Start a Business or 3 hrs

MAR 3023 Marketing or 4 hrs

MAN 3025 Management of Organizations or 4 hrs

BUL 3130 Legal and Ethical Environment of Business 4 hrs

<sup>1</sup> These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

**Arts Management 3 hrs**

■ Select one:

FIL 5612 Film and Internet Business 3 hrs

ARE 3944 Community Arts Practicum 3 hrs

ARE 4262 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 4855C 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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Art - History Track

- Art - Studio Art Track

- Art Education

**Certificates**

- None

**Related Minors**

- Community Arts - PAVE

- Digital Media

- Technological Entrepreneurship

**Advising Notes**

- None

**Transfer Notes**

- Grades less than a "C" (2.0) are not accepted.

- Courses taken at community colleges do not substitute for Upper Division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

# UCF Degree Programs

## Acceptable Substitutes for Transfer Courses

■ Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

■ GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

### Plan of Study

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
ARH 2050 History of Western Art I	3 hrs
ENC 1101 Composition I	3 hrs
<sup>1</sup> HUM 2210 Humanistic Tradition I	3 hrs
<sup>2</sup> MGF 1106 Finite Mathematics	3 hrs
ART 2823 Art as Interface	3 hrs

<sup>1</sup> req #1B1-GEP

<sup>2</sup> req #1C1-GEP

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ARH 2051 History of Western Art II	3 hrs
ENC 1102 Composition II	3 hrs
STA 1060C Basic Statistics Using Microsoft Excel	3 hrs
ART 2201C Design Fundamentals-Two Dimensional	3 hrs
<sup>1</sup> Supporting Elective	3 hrs

<sup>1</sup> Check restrictions

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
<sup>1</sup> COM 1000 Introduction to Communication	3 hrs
<sup>2</sup> 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

<sup>1</sup> req #1A3-GEP

<sup>2</sup> req #1D1-GEP

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
<sup>1</sup> ANT 2000 General Anthropology	3 hrs
<sup>2</sup> BSC 1005 Biological Principles	3 hrs
<sup>3</sup> 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

<sup>1</sup> req #1D2-GEP

<sup>2</sup> req# 1E2-GEP

<sup>3</sup> req #1E1-GEP

<b>Junior Year - Fall</b>	<b>15 hrs</b>
GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
<sup>1</sup> SPN 1120C Elementary Spanish Language and Civilization I	4 hrs
<sup>2</sup> Restricted Elective	3 hrs
<sup>3</sup> Supporting Elective	1 hr
<sup>3</sup> Supporting Elective	3 hrs

<sup>1</sup> req #Lang/Elect

<sup>2</sup> req #5

<sup>3</sup> Check restrictions

<b>Junior Year - Spring</b>	<b>16 hrs</b>
<sup>1</sup> SPN 1121C Elementary Spanish Language and Civilization II	4 hrs
<sup>2</sup> Restricted Elective	3 hrs
<sup>2</sup> Restricted Elective	3 hrs
<sup>3</sup> Supporting Elective	3 hrs
<sup>3</sup> Supporting Elective	3 hrs

<sup>1</sup> req #Lang/Elect

<sup>2</sup> req #5

<sup>3</sup> Check restrictions

<b>Senior Year - Fall</b>	<b>15 hrs</b>
<sup>1</sup> Restricted Elective	3 hrs
<sup>1</sup> Restricted Elective	3 hrs
<sup>2</sup> Supporting Elective	3 hrs
<sup>2</sup> Supporting Elective	3 hrs
<sup>2</sup> Supporting Elective	3 hrs

<sup>1</sup> req #5

<sup>2</sup> Check restrictions

<b>Senior Year - Spring</b>	<b>15 hrs</b>
<sup>1</sup> Restricted Elective	3 hrs
<sup>1</sup> Restricted Elective	3 hrs
<sup>2</sup> Supporting Elective	3 hrs
<sup>2</sup> Supporting Elective	3 hrs
DIG 4855C Converging Media Capstone	3 hrs

<sup>1</sup> req #5

<sup>2</sup> Check restrictions

### 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

■ Part-Time Student: \$31.50 per term

■ Full-Time Student: \$63 per term

## Art Education (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/arted>

Dr. Thomas Brewer, ED 122U, [tbrewer@mail.ucf.edu](mailto:tbrewer@mail.ucf.edu), 407-823-3714

Dr. Janet Andreasen, ED 123Q, [jandreas@mail.ucf.edu](mailto:jandreas@mail.ucf.edu), 407-823-5430

### Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university

■ Have a minimum 2.5 overall GPA

■ Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

■ Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.

■ Meet the Gordon Rule Requirement.

■ Meet the Foreign Language Admission Requirement.

### Degree Requirements

■ Students should see an advisor prior to registering for classes

■ The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

■ This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

■ Students are strongly advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

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

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
<sup>1</sup> Required	ARH 2050	History of Western Art I	3 hrs

<sup>1</sup> A grade of "C-" (1.75) or better is required

#### C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs
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#### Select 1: (3 hrs)

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

#### D: Social Foundations (6 hrs)

Prefer	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
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<b>Select 1:</b>			<b>3 hrs</b>
Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

**2. Common Program Prerequisites (CPP) (9 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

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

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

**3. Core Requirements: Basic Level (30 hrs)**

ARH 2050	History of Western Art I	GEP
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
GRA 2101C	Introduction to Computer Art	3 hrs
ART 2754C	Beginning Ceramics	3 hrs
ART 2500C	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 Students in Schools	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 (if CLAS was used for admission) and before application to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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
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**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/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education rule 6A-5.066.

ARE 4941	Internship	12 hrs
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**7. Foreign Language Requirements**

**Admissions**

■ State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

**Graduation**

■ None

**8. Electives**

■ None

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 126

**Honors In Major**

■ None

**Related Programs**

■ None

**Certificates**

■ None

**Related Minors**

■ None

**Advising Notes**

■ None

**Transfer Notes**

■ None

**Acceptable Substitutes for Transfer Courses**

■ None

**Plan of Study**

■ The program of study will be affected by course offerings and availability. Please see the Art Education website at <http://education.ucf.edu/arted/> for the advising policy.

**Freshman Year - Fall 15 hrs**

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
ARH 2050	History of Western Art I	3 hrs
PSY 2012	General Psychology	3 hrs

## UCF Degree Programs

<b>Freshman Year - Spring</b>		<b>12 hrs</b>
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
<b>Freshman Year - Summer</b>		<b>6 hrs</b>
SPC 1608	Fundamentals of Oral Communication	3 hrs
PSC 1121	Physical Science	3 hrs
<b>Sophomore Year - Fall</b>		<b>12 hrs</b>
ART 2203C	Design Fundamentals-Three Dimensional	3 hrs
BSC 1005	Biological Principles	3 hrs
EDF 2005	Introduction to the Teaching Profession	3 hrs
<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
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
<b>Sophomore Year - Summer</b>		<b>6 hrs</b>
GRA 2101C	Introduction to Computer Art	3 hrs
PGY 2401C	Beginning Photography	3 hrs
<b>Junior Year - Fall</b>		<b>15 hrs</b>
ARE 4356	Teaching Art Appreciation & Criticism in the Classroom	3 hrs
ART 2301C	Drawing Fundamentals II	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
<b>Junior Year - Spring</b>		<b>15 hrs</b>
ARE 4352	Teaching Art in the Secondary School	3 hrs
ART 2500C	Beginning Painting	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
ARE 4250	Art for Exceptionalities	3 hrs
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)		3 hrs
<b>Junior Year - Summer</b>		<b>6 hrs</b>
ART 2754C	Beginning Ceramics	3 hrs
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)		3 hrs
<b>Senior Year - Fall</b>		<b>12 hrs</b>
ARE 4351	Teaching Art in the Elementary School	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
ARE 3940	Internship	3 hrs
Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval)		3 hrs
<b>Senior Year - Spring</b>		<b>12 hrs</b>
ARE 4941	Internship	12 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Athletic Training (B.S.)

### College of Health and Public Affairs

#### Department of Health Professions, Health and Public Affairs II, Room: 208

[http://www.cohpa.ucf.edu/health.pro/athletic\\_training.shtml](http://www.cohpa.ucf.edu/health.pro/athletic_training.shtml)

**E-mail: [atinfo@mail.ucf.edu](mailto:atinfo@mail.ucf.edu)**

Kristen C. Schellhase

407-823-2747

### Admission Requirements

- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur. Acceptance into the University does not constitute admission into the Program in Athletic Training.
  - A minimum of 2.75 overall grade point average and a minimum grade of "C" (2.0) in program prerequisites.
  - Completion of an AA degree from a Florida Community College or completion of UCF's General Education Program.
  - This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Consent of Program Director.
  - A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

### Technical Standards Requirement

- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program's technical standards does not guarantee a student's eligibility for the BOC examination.
  - Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.
  - Candidates for selection to the Program in Athletic Training must demonstrate:



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

**Degree Requirements**

- Students who are Athletic Training pending and are admitted to the major must adopt the most current catalog
- Students 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 3 hrs

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

**C: Mathematical Foundations (6 hrs)**

Required STA 2023 Statistical Methods I 3 hrs  
 Required MAC 1114 College Trigonometry 3 hrs

**D: Social Foundations (6 hrs)**

Suggested 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.		
BSC 2010C	Biology I	GEP
ZOO 3733C	Human Anatomy	4 hrs
PCB 3703C	Human Physiology	4 hrs
HUN 2002	Modern Concepts in Nutrition	3 hrs
STA 2023	Statistical Methods I	GEP
PSY 2012	General Psychology	GEP

**Select 1: 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                 | 4 hrs |
| PHY 2048C | Physics for Engineers & Scientists I | 4 hrs |

**3. Core Requirements: Basic Level**

- None

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

**Professional Phase**

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

ATR 4014C	Introduction to Athletic Training	3 hrs
ATR 3102	Principles of Athletic Training	3 hrs
ATR 3012C	Clinical Skills for Athletic Trainers I	2 hrs
ATR 3812L	Practicum in Athletic Training I	4 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
ATR 3212C	Recognition and Evaluation of Athletic Injuries I	3 hrs
PET 4315C	Biomechanics of Sport	3 hrs
ATR 3822L	Practicum in Athletic Training II	4 hrs
ATR 4213C	Recognition and Evaluation of Athletic Injuries II	3 hrs
ATR 3013C	Clinical Skills for Athletic Training II	2 hrs
ATR 4313C	Therapeutic Exercise in Athletic Training	4 hrs
ATR 4302C	Therapeutic Modalities in Athletic Training	4 hrs
ATR 4512C	Organization and Administration of Athletic Training	3 hrs
PET 3510C	Physiologic & Metabolic Basis of Human Movement & Performance	3 hrs
ATR 4315C	Advanced Rehabilitation in Athletic Training	3 hrs
ATR 4832L	Practicum in Athletic Training III	4 hrs
PET 4606	Applied Fitness in Sport	3 hrs
ATR 4842L	Practicum in Athletic Training IV	4 hrs
ATR 4103	Sports Medicine Field Application	3 hrs
ATR 4933	Athletic Training Seminar	1 hr

**5. Restricted Electives**

- None

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

- None

**8. Electives**

- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport & Fitness

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- A minimum overall GPA of 2.75 and a minimum grade of "C" (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.
- Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

**12. University Minimum Exit Requirements**

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

**Total Semester Hours Required**

- 120

# UCF Degree Programs

## Honors In Major

- None

## Related Programs

- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

## Certificates

- None

## Related Minors

■ Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

- Business
- Aging Studies
- Biology
- Coaching
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration
- Education
- Sport Business Management

## Advising Notes

- None

## Transfer Notes

- None

## Acceptable Substitutes for Transfer Courses

- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

## Plan of Study

### Freshman Year - Fall

ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs
HSC 2000	Introduction to the Allied Health Professions	2 hrs
MAC 1105C	College Algebra	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

### Freshman Year - Spring

ENC 1102	Composition II	3 hrs
POS 2041	American National Government	3 hrs
BSC 2010C	Biology I	4 hrs
MAC 1114	College Trigonometry	3 hrs

### Sophomore Year - Fall

PHY 2053C	College Physics I	4 hrs
ZOO 3733C	Human Anatomy	4 hrs
STA 2023	Statistical Methods I	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 or	3 hrs
WOH 2012	World Civilization I	3 hrs

### Sophomore Year - Spring

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:

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
WOH 2022	World Civilization II	3 hrs

## Sophomore Year - Summer

ATR 4014C	Introduction to Athletic Training	3 hrs
ATR 3102	Principles of Athletic Training	3 hrs
1 Foreign Language		4 hrs

<sup>1</sup> If not satisfied in high school

## Junior Year - Fall

ATR 3812L	Practicum in Athletic Training I	4 hrs
ATR 3012C	Clinical Skills for Athletic Trainers I	2 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
ATR 3212C	Recognition and Evaluation of Athletic Injuries I	3 hrs

<sup>1</sup> Free Elective 3 hrs

<sup>1</sup> As needed to meet 120 hrs of university exit requirements.

## Junior Year - Spring

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

<sup>1</sup> As needed to meet 120 hrs of university exit requirements.

## Junior Year - Summer

ATR 4313C	Therapeutic Exercise in Athletic Training	4 hrs
ATR 4302C	Therapeutic Modalities in Athletic Training	4 hrs

## Senior Year - Fall

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

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

<sup>1</sup> 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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$7.50 per term
- Full-Time Student: \$15.00 per term

## Biology (B.S.)

### College of Sciences

### Department of Biology, BL, Room: 301

<http://www.cos.ucf.edu/biology>

**E-mail: [biology@ucf.edu](mailto:biology@ucf.edu)**

Frank Logiudice

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.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:

BSC 4422L	Biology Laboratory Techniques	1 hr
BSC 4937	Instructional Experiences in Undergraduate Biology	2 hrs

- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.

BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
PHY 2053C	College Physics I	4 hrs
PHY 2054C	College Physics II	4 hrs

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

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

#### 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://mathplacement.sdes.ucf.edu/>

Suggested	MAC 2233	Concepts of Calculus or	3 hrs
Suggested	MAC 2253	Applied Calculus I or	3 hrs
Prefer	MAC 2311	Calculus with Analytic Geometry I	4 hrs

#### Statistics:

Required	STA 2023	Statistical Methods I	3 hrs
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#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
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#### Select the sequence identified by the Chemistry Placement exam;

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

#### - A one semester course for students with a strong chemistry background and a high Chemistry Placement score:

Required	CHM 2045C	Chemistry Fundamentals I	4 hrs
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#### or - Students with little chemistry background should take this two semester equivalent instead.

Required	CHM 2040	Chemistry Fundamentals IA	3 hrs
		<b>and</b>	
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.

BSC 2010C	Biology I	GEP
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	GEP
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
STA 2023	Statistical Methods I	GEP

#### Math requirement: Select one course (3 hrs)

MAC 2233	Concepts of Calculus or	GEP
MAC 2253	Applied Calculus I or	GEP
MAC 2311	Calculus with Analytic Geometry I	GEP

#### Select one of the following sequences of courses:

- NOTE: These courses are considered to be equivalents:

CHM 2045C	Chemistry Fundamentals I	GEP
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or

CHM 2040	Chemistry Fundamentals IA and	GEP
CHM 2041	Chemistry Fundamentals IB	GEP

#### Complete one entire physics sequence:

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

or

PHY 2053C	College Physics I and	4 hrs
PHY 2054C	College Physics II	4 hrs

### 3. Core Requirements: Basic Level (8 hrs)

- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses.

Students are urged to consult their departmental advisor.

STA 2023	Statistical Methods I	GEP/CPP
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#### Complete one entire chemistry sequence:

CHM 2210	Organic Chemistry I and	3 hrs
CHM 2211	Organic Chemistry II and	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs

or

CHM 2205	Introduction to Organic and Biochemistry and	5 hrs
CHM 3120	Analytical Chemistry and	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr

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

PCB 3023	Molecular Cell Biology	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 4683	Evolutionary Biology	4 hrs

### 5. Restricted Electives (22 hrs)

- Courses must be selected from the groupings listed below.

- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.

- At least three credit hours from each group must be completed.

- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.

- Transferred courses must be at a 3000 level or higher, and be

- evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.

- Courses at the 5000 level are only open to seniors and beginning graduate students.

#### Form/Function (3 hrs)

#### Complete a minimum of one lecture course from this (3 hrs)

#### group.

BCH 4053	Biochemistry I or	3 hrs
BCH 4054	Biochemistry II or	3 hrs
1 BOT 4223C	Plant Anatomy or	4 hrs
1 BOT 4303C	Plant Kingdom or	5 hrs
1 BOT 4503	Plant Physiology or	3 hrs
2 BSC 4101	History of Biology or	3 hrs
3 BSC 4454	Research in Animal Physiology or	2 hrs
2 PCB 3024L	Molecular Cell Biology Laboratory or	2 hrs
2 PCB 3063L	Genetics Laboratory or	1 hr
PCB 3233	Immunology or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
2 PCB 4514	Genetics II or	3 hrs
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 4684	Population Genetics or	3 hrs
3 PCB 4723	Animal Physiology or	4 hrs
2 PCB 5665C	Human Genetics or	4 hrs
2 PCB 5935	Population Genetics or	3 hrs
3 ZOO 3713C	Comparative Vertebrate Anatomy or	5 hrs

## UCF Degree Programs

ZOO 3733C	Human Anatomy or	4 hrs
<sup>3</sup> ZOO 4603C	Embryology/Development or	5 hrs
ZOO 4753C	Vertebrate Histology	4 hrs

<sup>1</sup> Fulfills Botany requirement. Offered in Biology department.

<sup>2</sup> Offered in Biology department.

<sup>3</sup> Fulfills Zoology requirement. Offered in Biology department.

**Environmental** 3 hrs

**Complete a minimum of one lecture course from this group.** 3 hrs

<sup>1</sup> BOT 3018C	Culinary Botany Across the Cultures or	3 hrs
<sup>1</sup> BOT 3152C	Local Flora or	3 hrs
<sup>1</sup> BOT 3802	Ethnobotany or	3 hrs
<sup>1</sup> BOT 4156C	Florida Wildflowers or	4 hrs
<sup>1</sup> BOT 4686C	Conservation and Management of Native Plants or	4 hrs
<sup>1</sup> BOT 4850	Medicinal Botany or	3 hrs
<sup>2</sup> BSC 4312C	Marine Biology or	4 hrs
<sup>2</sup> BSC 4330	Invasion Biology or	3 hrs
<sup>2</sup> BSC 5258L	Tropical Biology Research and Conservation or	3 hrs
<sup>2</sup> BSC 5824	Biogeography or	4 hrs
<sup>2</sup> PCB 3044L	Principles of Ecology Laboratory or	1 hr
<sup>2</sup> PCB 3304C	River Ecology or	4 hrs
<sup>2</sup> PCB 3355C	Tropical Marine Biology or	2 hrs
<sup>2</sup> PCB 3442	Aquatic Ecology or	3 hrs
<sup>2</sup> PCB 5326C	Ecosystems of Florida or	5 hrs
<sup>2</sup> PCB 5435C	Marine Ecology of Florida or	4 hrs
<sup>2</sup> PCB 5485	Models in Ecology or	3 hrs
<sup>3</sup> PAZ 4234	Zoo and Aquarium Management or	3 hrs
<sup>3</sup> ZOO 4513	Animal Behavior	3 hrs

<sup>1</sup> Fulfills Botany requirement. Offered in Biology department.

<sup>2</sup> Offered in Biology department.

<sup>3</sup> Fulfills Zoology requirement. Offered in Biology department.

**Systematic** 3 hrs

**Complete a minimum of one lecture course from this group.** 3 hrs

BOT 4434C	General Mycology or	4 hrs
<sup>1</sup> BOT 4713C	Plant Taxonomy or	5 hrs
<sup>1</sup> BOT 5485C	Terrestrial Cryptogams or	3 hrs
<sup>2</sup> ENY 4004C	General Entomology or	4 hrs
<sup>2</sup> ENY 5006C	Entomology or	4 hrs
MCB 3020C	General Microbiology or	5 hrs
<sup>2</sup> ZOO	Biology and Ecology of Metazoan	4 hrs
4205C	Invertebrates or	
<sup>2</sup> ZOO	Vertebrate Evolution & Ecology or	4 hrs
4310C		
<sup>2</sup> ZOO 4480	Mammalogy or	4 hrs
<sup>2</sup> ZOO	Ichthyology or	4 hrs
5456C		
<sup>2</sup> ZOO	Herpetology or	4 hrs
5463C		
<sup>2</sup> ZOO 5475L	Field Ornithology	3 hrs

<sup>1</sup> Fulfills Botany requirement. Offered in Biology department.

<sup>2</sup> Fulfills Zoology requirement. Offered in Biology department.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

- None

### 8. Electives

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

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.

Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.

Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Environmental Engineering

- Biomedical Sciences

- Science Education - Biology

#### Certificates

- None

#### Related Minors

- Biology

- Environmental Studies

- Biomedical Sciences

#### Advising Notes

Students are urged to contact their departmental advisor before registering for courses.

It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.

#### Transfer Notes

Lower Division courses taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

- BSC 2010C: May substitute the Honors version BSC X040C.

Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.

- BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.

- CHM 2045C: may use CHM X040 plus CHM X041.

- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.

- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

#### Plan of Study

This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in CHM 2045C, take Chemistry Placement Test.

Instructions are at <http://chemplacement.sdes.ucf.edu/>

- Prior to enrolling in Math, take Math Placement Test ~

<http://mathplacement.sdes.ucf.edu/>

#### Freshman Year - Fall

BSC 2010C	Biology I	15 hrs
ENC 1101	Composition I	4 hrs
CHM 2045C	Chemistry Fundamentals I	3 hrs
Math Course		4 hrs

<b>Freshman Year - Spring</b>		<b>14 hrs</b>
ENC 1102	Composition II	3 hrs
BSC 2011C	Biology II	4 hrs
CHM 2046	Chemistry Fundamentals I	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Free Elective		3 hrs

<b>Sophomore Year - Fall</b>		<b>14 hrs</b>
MAC 2311	Calculus with Analytic Geometry I	4 hrs
STA 2023	Statistical Methods I	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
PCB 3044	Principles of Ecology	3 hrs

<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
CHM 2211	Organic Chemistry II	3 hrs
PCB 3063	Genetics	3 hrs
GEP		3 hrs
Restricted Elective		5 hrs
Free Elective		2 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
PHY 2053C	College Physics I	4 hrs
PCB 3023	Molecular Cell Biology	3 hrs
Restricted Elective		5 hrs
Free Elective		3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
PHY 2054C	College Physics II	4 hrs
Restricted Elective		4 hrs
Restricted Elective		4 hrs
Free Elective		3 hrs

<b>Senior Year - Fall</b>		<b>16 hrs</b>
PCB 4683	Evolutionary Biology	4 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
Free Elective		3 hrs

<b>Senior Year - Spring</b>		<b>15 hrs</b>
<sup>1</sup> CHM 2211L	Organic Laboratory Techniques I	2 hrs
GEP		3 hrs
Restricted Elective		4 hrs
Free Elective		4 hrs
GEP		3 hrs

<sup>1</sup> May be taken in an earlier term if space permits.

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$19 per term
- Full-Time Student: \$38 per term

## Biology - Preprofessional Concentration (B.S.)

### College of Sciences

**Department of Biology, Biology, Room: 301**

**<http://www.cos.ucf.edu/biology>**

**E-mail: [biology@ucf.edu](mailto:biology@ucf.edu)**

Frank Logiudice  
407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine.

### Admission Requirements

- None

### Degree Requirements

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

■ 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.

■ 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. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
PHY 2053C	College Physics I	4 hrs
PHY 2054C	College Physics II	4 hrs

### 1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs

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

#### C: Mathematical Foundations (7 hrs)

#### Mathematics: 4 hrs

■ Note: Prior to enrolling in Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
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#### Statistics: 3 hrs

Required	STA 2023	Statistical Methods I	3 hrs
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#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
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Select the sequence identified by the Chemistry Placement exam;

■ Note: Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score

Required	CHM 2045C	Chemistry Fundamentals I	4 hrs
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or - Students with little chemistry background should take this two semester equivalent instead.

Required	CHM 2040	Chemistry Fundamentals IA	3 hrs
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	<b>and</b>		
Required	CHM 2041	Chemistry Fundamentals IB	3 hrs

### 2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Transfer Notes for possible substitutes for the courses listed below.

BSC 2010C	Biology I	GEP
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	GEP
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311	Calculus with Analytic Geometry I	GEP
STA 2023	Statistical Methods I	GEP

## UCF Degree Programs

Complete one entire physics sequence:

PHY 2053C	College Physics I and	4 hrs
PHY 2054C	College Physics II	4 hrs

or

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

NOTE: These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score  
CHM 2045C Chemistry Fundamentals I GEP

or - Students with little chemistry background should take this two semester equivalent instead

CHM 2040	Chemistry Fundamentals IA and	GEP
CHM 2041	Chemistry Fundamentals IB	GEP

**3. Core Requirements: Basic Level (8 hrs)**  
CHM 2210 Organic Chemistry I 3 hrs  
CHM 2211 Organic Chemistry II 3 hrs  
CHM 2211L Organic Laboratory Techniques I 2 hrs  
STA 2023 Statistical Methods I GEP/CP

**4. Core Requirements: Advanced Level (13 hrs)**  
PCB 3023 Molecular Cell Biology 3 hrs  
PCB 3044 Principles of Ecology 3 hrs  
PCB 3063 Genetics 3 hrs  
PCB 4683 Evolutionary Biology 4 hrs

**5. Restricted Electives (22 hrs)**

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.

- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school's requirements. For complete listing, see Biology B.S. degree program.

Form/Function

Complete a minimum of one lecture course from this group. 3 hrs

BCH 4053	Biochemistry I or	3 hrs
BCH 4054	Biochemistry II or	3 hrs
<sup>1</sup> BSC 4454	Research in Animal Physiology or	2 hrs
<sup>2</sup> PCB 3024L	Molecular Cell Biology Laboratory or	2 hrs
<sup>2</sup> PCB 3063L	Genetics Laboratory or	1 hr
PCB 3233	Immunology or	3 hrs
<sup>2</sup> PCB 4514	Genetics II or	3 hrs
<sup>2</sup> PCB 4678	Evolution and Medicine or	3 hrs
<sup>1</sup> PCB 4723	Animal Physiology or	4 hrs
<sup>2</sup> PCB	Human Genetics or	4 hrs
5665C		
<sup>1</sup> ZOO	Comparative Vertebrate Anatomy or	5 hrs
3713C		
<sup>1</sup> ZOO	Embryology/Development or	5 hrs
4603C		
ZOO 4753C	Vertebrate Histology	4 hrs

<sup>1</sup> Fulfills Zoology requirement. Offered in Biology department.

<sup>2</sup> Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group. 3 hrs

<sup>1</sup> BOT 3802	Ethnobotany or	3 hrs
<sup>1</sup> BOT 4850	Medicinal Botany	3 hrs

<sup>1</sup> Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group. 3 hrs

MCB 3020C	General Microbiology or	5 hrs
<sup>1</sup> ZOO	Biology and Ecology of Metazoan	4 hrs
4205C	Invertebrates or	
<sup>1</sup> ZOO	Vertebrate Evolution & Ecology	4 hrs
4310C		

<sup>1</sup> Fulfills Zoology requirement. Offered in Biology department.

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

- Spanish is highly recommended.

**8. Electives**

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

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Biology
- Chemistry
- Biomedical Sciences

**Certificates**

- None

**Related Minors**

- Biology
- Biomedical Sciences

**Advising Notes**

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).

■ An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:

MCB 3020C	General Microbiology	5 hrs
PCB 4524	Molecular Biology II	3 hrs

#### Transfer Notes

■ Lower Division courses taken at community colleges do not substitute for Upper Division courses.

■ Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

■ The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

■ BSC 2010C: May substitute the Honors version BSC X040C.

Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.

■ BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.

■ CHM 2045C: may use CHM X040 plus CHM X041.

■ Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.

■ Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

#### Plan of Study

■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

■ Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>

■ Prior to enrolling in Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

<b>Freshman Year - Fall</b>	<b>15 hrs</b>	
BSC 2010C	Biology I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
ENC 1101	Composition I	3 hrs
Math prerequisite/Restricted Elective		4 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>	
ENC 1102	Composition II	3 hrs
BSC 2011C	Biology II	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Math prerequisite/Restricted Elective		4 hrs

<b>Sophomore Year - Fall</b>	<b>16 hrs</b>	
MAC 2311	Calculus with Analytic Geometry I	4 hrs
STA 2023	Statistical Methods I	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
PCB 3044	Principles of Ecology	3 hrs
GEP		3 hrs

<b>Sophomore Year - Spring</b>	<b>16 hrs</b>	
CHM 2211	Organic Chemistry II	3 hrs
PCB 3063	Genetics	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
GEP		3 hrs
Restricted Elective		3 hrs

<b>Junior Year - Fall</b>	<b>16 hrs</b>	
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PCB 3023	Molecular Cell Biology	3 hrs
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

<b>Junior Year - Spring</b>	<b>14 hrs</b>	
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
PCB 4683	Evolutionary Biology	4 hrs
Restricted Elective		3 hrs
GEP		3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>	
Restricted Elective		4 hrs
GEP		3 hrs
GEP		3 hrs
Restricted Elective		4 hrs
Free Elective		2 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>	
<sup>1</sup> CHM 2211L	Organic Laboratory Techniques I	2 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs
Free Elective		2 hrs
Free Elective		3 hrs

<sup>1</sup> May be taken earlier if space permits.

#### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alac/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alac/academic_learning_compacts.htm)

#### Equipment Fees

■ Part-Time Student: \$19 per term

■ Full-Time Student: \$38 per term

## Biomedical Sciences (B.S.)

### College of Medicine

### Burnett School of Biomedical Sciences

### Department of Molecular and Microbiology, Health and

### Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

E-mail: [bcbsinfo@mail.ucf.edu](mailto:bcbsinfo@mail.ucf.edu)

Dr. P. E. Kolattukudy, Chair

407-823-5932

#### Admission Requirements

■ None

#### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students should complete the General Education Program before transferring within the Florida Public University/Community College System.

■ Students should consult with a departmental advisor.

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

■ Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

#### A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs

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

#### C: Mathematical Foundations

<b>Select 1:</b>			<b>4 hrs</b>
Suggested	MAC 2311	Calculus with Analytic Geometry I or	4 hrs
Suggested	MAC 2253	Applied Calculus I	3 hrs

#### Select 1: (3 hrs)

Suggested	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	GEP
<sup>1</sup> BSC 2011C	Biology II	4 hrs
<sup>1</sup> CHM	Chemistry Fundamentals I	GEP
2045C		
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311	Calculus with Analytic Geometry I	GEP

# UCF Degree Programs

Select one of the following sequences of courses:

PHY 2053C	College Physics I <b>and</b>	4 hrs
PHY 2054C	College Physics II	4 hrs

or

PHY 2048C	Physics for Engineers & Scientists I <b>and</b>	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

<sup>1</sup> See Transfer Notes for possible substitutions.

### 3. Core Requirements: Basic Level (8 hrs)

**Math, Statistics, Computer**

<b>Select 1:</b>		<b>4 hrs</b>
MAC 2311	Calculus with Analytic Geometry I or	GEP
MAC 2253	Applied Calculus I	GEP

<b>Select 1:</b>		<b>3 hrs</b>
STA 2023	Statistical Methods I or	GEP
CGS 1060C	Introduction to Computer Science	GEP

**Chemistry**

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

### 4. Core Requirements: Advanced Level (25 hrs)

**Life Sciences**

MCB 3020C	General Microbiology	5 hrs
MCB 4414	Microbial Metabolism	3 hrs
PCB 4239	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

**Chemistry**

BCH 4053	Biochemistry I	3 hrs
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### 5. Restricted Electives

(7 courses minimum)

■ (Seven courses from the list below, 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.)

<sup>1</sup> BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
MCB 3203	Pathogenic Microbiology	3 hrs
<sup>1</sup> MCB 3404	Bacterial Genetics and Physiology	3 hrs
MCB 4114C	Determinative & Systemic Microbiology	4 hrs
<sup>1</sup> MCB 4203	Infectious Processes	3 hrs
MCB 4204	Cellular Microbiology: Host-Pathogen Interactions	3 hrs
<sup>1</sup> MCB 4276	Epidemiology of Infectious Diseases	3 hrs
<sup>1</sup> MCB 4312	Molecular Biotechnology	3 hrs
<sup>1</sup> MCB 4503C	Virology	3 hrs
MCB 4603	Environmental Microbiology	3 hrs
MCB 4721C	Methods in Biotechnology	4 hrs
<sup>1</sup> 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
<sup>1</sup> MLS 3305	Hematology	3 hrs
<sup>1</sup> MLS 4334	Hemostasis	3 hrs
<sup>1</sup> MLS 4430C	Clinical Parasitology	2 hrs
<sup>1</sup> MLS 4505C	Immunodiagnosics	3 hrs
MLS 4625	Advanced Clinical Chemistry I	3 hrs
MLS 4630	Advanced Clinical Chemistry II	3 hrs
<sup>1</sup> PCB 3063	Genetics	3 hrs
<sup>1</sup> PCB 3703C	Human Physiology	4 hrs
<sup>1</sup> PCB 4028	Molecular and Cellular Pharmacology	3 hrs
PCB 4174	Foundation of Bio-Imaging Science	3 hrs
PCB 4251	Tissue Engineering	3 hrs
<sup>1</sup> PCB 4514	Genetics II	3 hrs
PCB 4529	Experimental Molecular Biology	3 hrs
<sup>1</sup> PCB 4805	Endocrinology	3 hrs
<sup>1</sup> PCB 5238	Immunobiology	3 hrs
PCB 5236	Cancer Biology	3 hrs

PCB 5275	Signal Transduction Mechanics	3 hrs
<sup>1</sup> ZOO 3701C	Human Gross Anatomy & Dissection Techniques	3 hrs
<sup>1</sup> ZOO 3733C	Human Anatomy	4 hrs
<sup>1</sup> ZOO 3744	Neurobiology	3 hrs
<sup>1</sup> ZOO 4603C	Embryology/Development	5 hrs
<sup>1</sup> ZOO 4605	Human Clinical Embryology and Congenital Malformation	3 hrs
<sup>1</sup> ZOO 4704C	Clinical Neuroanatomy and Neuroscience	4 hrs
<sup>1</sup> ZOO 4753C	Vertebrate Histology	4 hrs
ZOO 5745C	Essentials of Neuroanatomy	4 hrs
MCB 3203L	Pathogenic Microbiology Lab	1 hr
MCB 4970H	Honors Undergraduate Thesis II	3 hrs
BOT 4434C	General Mycology	4 hrs
<sup>1</sup> MCB 3202	Principles of Infectious Disease	3 hrs
PCB 4234	Cancer Biology	3 hrs
ZOO 4747C	Clinical Neuroscience	4 hrs
PCB 4264	Stem Cell Biology	3 hrs

<sup>1</sup> 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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ Application and admission through the Department and the Burnett Honors College.

■ Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.

■ Complete the following course with a grade of B or better (4 credits):  
BSC 3403H Quantitative Biological Methods-Honors 4 hrs

■ Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):  
MCB 4970H Honors Undergraduate Thesis II 1 hr

### Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences



## Certificates

- None

## Related Minors

- Biology
- Chemistry

## Advising Notes

- None

## Transfer Notes

■ Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

## Acceptable Substitutes for Transfer Courses

BSC 2011C	Biology II	4 hrs
may be substituted with: BSC 3403C		
CHM 2045C	Chemistry Fundamentals I	4 hrs
may be substituted with: CHM 2040C		
CHM 2045C	Chemistry Fundamentals I	4 hrs
may be substituted with: CHM 2041C		

## Plan of Study

<b>Freshman Year - Fall</b> <span style="float: right;"><b>13 hrs</b></span>		
ENC 1101	Composition I	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
MAC 1105C	College Algebra	3 hrs

<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

<b>Freshman Year - Spring</b> <span style="float: right;"><b>16 hrs</b></span>		
ENC 1102	Composition II	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 1114	College Trigonometry	3 hrs
BSC 2010C	Biology I	4 hrs
<sup>1</sup> SLS 2311C	Overview of Select Medical Careers	2 hrs

<sup>1</sup> If Preprofessional.

<b>Sophomore Year - Fall</b> <span style="float: right;"><b>15 hrs</b></span>		
CHM 2210	Organic Chemistry I	3 hrs
MCB 3020C	General Microbiology	5 hrs

<b>Select 1:</b> <span style="float: right;"><b>4 hrs</b></span>		
MAC 2311	Calculus with Analytic Geometry I or	4 hrs
MAC 2253	Applied Calculus I	3 hrs

<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
EUH 2000	Western Civilization I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
WOH 2012	World Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs

<b>Sophomore Year - Spring</b> <span style="float: right;"><b>15 hrs</b></span>		
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
STA 2023	Statistical Methods I or	3 hrs
CGS 1060C	Introduction to Computer Science	3 hrs

<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
EUH 2001	Western Civilization II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
WOH 2022	World Civilization II	3 hrs

<b>Junior Year - Fall</b> <span style="float: right;"><b>17 hrs</b></span>		
PCB 3522	Molecular Biology I	3 hrs
<sup>1</sup> BSC 2011C	Biology II	4 hrs

<b>Select 1:</b> <span style="float: right;"><b>4 hrs</b></span>		
PHY 2053C	College Physics I or	4 hrs
<sup>2</sup> PHY 2048C	Physics for Engineers & Scientists I	4 hrs

<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
ECO 2013	Principles of Macroeconomics or	3 hrs
POS 2041	American National Government	3 hrs

<sup>1</sup> Or BSC 3403C.

<sup>2</sup> Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

<b>Junior Year - Spring</b> <span style="float: right;"><b>16 hrs</b></span>		
PCB 4524	Molecular Biology II	3 hrs
PCB 4239	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
SPC 1603	Fundamentals of Technical Presentations	3 hrs

<b>Select 1:</b> <span style="float: right;"><b>4 hrs</b></span>		
PHY 2054C	College Physics II or	4 hrs
<sup>1</sup> PHY 2049C	Physics for Engineers and Scientists II	4 hrs
Restricted Elective		2 hrs

<sup>1</sup> Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

<b>Senior Year - Fall</b> <span style="float: right;"><b>16 hrs</b></span>		
BCH 4053	Biochemistry I	3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Cultural/Historical		3 hrs

<b>Senior Year - Spring</b> <span style="float: right;"><b>15 hrs</b></span>		
MCB 4414	Microbial Metabolism	3 hrs
Restricted Elective		4 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](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>

**E-mail: [bcbsinfo@mail.ucf.edu](mailto:bcbsinfo@mail.ucf.edu)**

Dr. P. E. Kolattukudy, Chair

407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA 1 124.

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

- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

# UCF Degree Programs

<b>A: Communication Foundations</b>			<b>(9 hrs)</b>
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs

<b>B: Cultural &amp; Historical Foundations</b>			<b>(9 hrs)</b>
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<b>C: Mathematical Foundations</b>			<b>(6 hrs)</b>
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Select 1: 3 hrs

Required	CGS 1060C	Introduction to Computer Science or Statistical Methods I	3 hrs
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<b>D: Social Foundations</b>			<b>(6 hrs)</b>
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<b>E: Science Foundations</b>			
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Required	BSC 2010C	Biology I	4 hrs
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Required	CHM 2045C	Chemistry Fundamentals I	4 hrs
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<b>2. Common Program Prerequisites (CPP)</b>			<b>(16 hrs)</b>
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■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

BSC 2010C	Biology I	GEP	
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<sup>1</sup> BSC 2011C	Biology II	4 hrs	
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<sup>1</sup> CHM 2045C	Chemistry Fundamentals I	GEP	
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CHM 2046	Chemistry Fundamentals II	3 hrs	
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CHM 2046L	Chemistry Fundamentals Laboratory	1 hr	
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MAC 2311	Calculus with Analytic Geometry I	GEP	
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Select one of the following sequences of courses:

PHY 2053C	College Physics I and	4 hrs	
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PHY 2054C	College Physics II	4 hrs	
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or

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs	
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PHY 2049C	Physics for Engineers and Scientists II	4 hrs	
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<sup>1</sup> See Transfer Notes for possible substitutions

<b>3. Core Requirements: Basic Level</b>			<b>(10 hrs)</b>
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**Life Sciences: Basic**

SLS 2311C	Overview of Select Medical Careers	2 hrs	
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**Math, Statistics, Computers**

Select 1:			<b>4 hrs</b>
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MAC 2311	Calculus with Analytic Geometry I or	GEP	
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MAC 2253	Applied Calculus I	GEP	
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Select 1:			<b>3 hrs</b>
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STA 2023	Statistical Methods I or	GEP	
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CGS 1060C	Introduction to Computer Science	GEP	
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**Chemistry**

Take all of the following:			<b>8 hrs</b>
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CHM 2210	Organic Chemistry I and	3 hrs	
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CHM 2211	Organic Chemistry II and	3 hrs	
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CHM 2211L	Organic Laboratory Techniques I	2 hrs	
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<b>4. Core Requirements: Advanced Level</b>			<b>(25 hrs)</b>
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**Life Sciences: Advanced**

MCB 3020C	General Microbiology	5 hrs	
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MCB 4414	Microbial Metabolism	3 hrs	
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PCB 4239	Molecular Immunology	3 hrs	
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PCB 3233L	Immunology Laboratory	1 hr	
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PCB 3522	Molecular Biology I	3 hrs	
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PCB 4524	Molecular Biology II	3 hrs	
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BSC 3403C	Quantitative Biological Methods	4 hrs	
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**Chemistry**

BCH 4053	Biochemistry I	3 hrs	
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**5. Restricted Electives**

**7 courses minimum**

■ Seven courses from below, of which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

■ Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

BCH 4054	Biochemistry II	3 hrs
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MCB 3203	Pathogenic Microbiology	3 hrs
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MCB 3404	Bacterial Genetics and Physiology	3 hrs
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MCB 4203	Infectious Processes	3 hrs
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MCB 4276	Epidemiology of Infectious Diseases	3 hrs
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MCB 4312	Molecular Biotechnology	3 hrs
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MCB 4503C	Virology	3 hrs
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MCB 5225	Molecular Biology of Disease	3 hrs
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MLS 3305	Hematology	3 hrs
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MLS 4334	Hemostasis	3 hrs
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MLS 4430C	Clinical Parasitology	2 hrs
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MLS 4505C	Immunodiagnosics	3 hrs
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PCB 3063	Genetics	3 hrs
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PCB 3703C	Human Physiology	4 hrs
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PCB 4028	Molecular and Cellular Pharmacology	3 hrs
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PCB 4514	Genetics II	3 hrs
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PCB 4805	Endocrinology	3 hrs
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PCB 5238	Immunobiology	3 hrs
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ZOO 3701C	Human Gross Anatomy & Dissection Techniques	3 hrs
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ZOO 3733C	Human Anatomy	4 hrs
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ZOO 3744	Neurobiology	3 hrs
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ZOO 4603C	Embryology/Development	5 hrs
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ZOO 4605	Human Clinical Embryology and Congenital Malformation	3 hrs
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ZOO 4704C	Clinical Neuroanatomy and Neuroscience	4 hrs
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ZOO 4753C	Vertebrate Histology	4 hrs
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MCB 4970H	Honors Undergraduate Thesis II	3 hrs
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PCB 4234	Cancer Biology	3 hrs
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ZOO 4747C	Clinical Neuroscience	4 hrs
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MCB 3203L	Pathogenic Microbiology Lab	1 hr
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MCB 3202	Principles of Infectious Disease	3 hrs
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**6. Capstone Requirements**

■ None

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

■ None

**8. Electives**

■ Variable

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.

■ Independent study, directed research, or similar credit may not be used as a Restricted Elective.

■ Minimum of 20 hours must be taken at UCF in the department of the major.

■ Students will be required to pass a comprehensive test during their last semester.

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

■ Application and admission through the Department and the Burnett Honors College.

■ Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.

- Complete the following with a grade of B or better (4 credits)  
BSC 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).  
MCB 4970H Honors Undergraduate Thesis II 1 hr

### Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

### Certificates

- None

### Related Minors

- Biology
- Chemistry

### Advising Notes

- None

### Transfer Notes

■ Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University's requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

### Acceptable Substitutes for Transfer Courses

BSC 2011C	Biology II	4 hrs
may be substituted with: BSC 3403C		
CHM 2045C	Chemistry Fundamentals I	4 hrs
may be substituted with: CHM 2040C		
CHM 2045C	Chemistry Fundamentals I	4 hrs
may be substituted with: CHM 2041C		

### Plan of Study

<b>Freshman Year - Fall</b>		<b>13 hrs</b>
ENC 1101	Composition I	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
MAC 1105C	College Algebra	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

<b>Freshman Year - Spring</b>		<b>16 hrs</b>
ENC 1102	Composition II	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
BSC 2010C	Biology I	4 hrs
MAC 1114	College Trigonometry	3 hrs

<b>Sophomore Year - Fall</b>		
CHM 2210	Organic Chemistry I	3 hrs
MCB 3020C	General Microbiology	5 hrs

<b>Select 1:</b>		<b>4 hrs</b>
MAC 2311	Calculus with Analytic Geometry I or	4 hrs
MAC 2253	Applied Calculus I	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EUH 2000	Western Civilization I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
WOH 2012	World Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs

<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2023	Statistical Methods I or	3 hrs
CGS 1060C	Introduction to Computer Science	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EUH 2001	Western Civilization II or	3 hrs
AMH 2020	U.S. History: 1877-Present or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
WOH 2022	World Civilization II	3 hrs

<b>Junior Year - Fall</b>		<b>17 hrs</b>
PCB 3522	Molecular Biology I	3 hrs
<sup>1</sup> BSC 2011C	Biology II	4 hrs

<b>Select 1:</b>		<b>4 hrs</b>
PHY 2053C	College Physics I or	4 hrs
<sup>2</sup> PHY 2048C	Physics for Engineers & Scientists I	4 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ECO 2013	Principles of Macroeconomics or	3 hrs
POS 2041	American National Government	3 hrs

<sup>1</sup> Or BSC 3403C.

<sup>2</sup> Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

<b>Junior Year - Spring</b>		<b>16 hrs</b>
PCB 4524	Molecular Biology II	3 hrs
PCB 4239	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
SPC 1603	Fundamentals of Technical Presentations	3 hrs
Restricted Elective		2 hrs

<b>Select 1:</b>		<b>4 hrs</b>
<sup>1</sup> PHY 2049C	Physics for Engineers and Scientists II	4 hrs

<sup>1</sup> Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

<b>Senior Year - Fall</b>		<b>16 hrs</b>
BCH 4053	Biochemistry I	3 hrs
Restricted Elective		3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs

<b>Senior Year - Spring</b>		<b>16 hrs</b>
MCB 4414	Microbial Metabolism	3 hrs
Restricted Elective		3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

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

## Biotechnology (B.S.)

### College of Medicine

### Burnett School of Biomedical Sciences

### Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

**E-mail: [bcbsinfo@mail.ucf.edu](mailto:bcbsinfo@mail.ucf.edu)**

Dr. P.E. Kolattukudy, Chair

Dr. Henry Daniell, Program Director, [daniell@mail.ucf.edu](mailto:daniell@mail.ucf.edu)

407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

### Admission Requirements

- None

# UCF Degree Programs

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below "C-"(1.75) in life science courses will not be accepted

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

#### A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs

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

#### C: Mathematical Foundations

Required	STA 2023	Statistical Methods I	3 hrs
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#### Select 1: (4 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I or	4 hrs
Required	MAC 2253	Applied Calculus I	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	GEP
<sup>1</sup> BSC 2011C	Biology II	4 hrs
<sup>1</sup> CHM 2045C	Chemistry Fundamentals I	GEP
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
STA 2023	Statistical Methods I	GEP
MAC 2311	Calculus with Analytic Geometry I	GEP
PHY 2053C	College Physics I	4 hrs
PHY 2054C	College Physics II	4 hrs

<sup>1</sup> See Transfer Notes for possible substitutions.

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (52 hrs)

#### Life Sciences

MCB 3020C	General Microbiology	5 hrs
MCB 4414	Microbial Metabolism	3 hrs
PCB 4239	Molecular Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs
MCB 4721C	Methods in Biotechnology	4 hrs
MCB 4720	Industrial Perspectives Seminar	3 hrs
MCB 4312	Molecular Biotechnology	3 hrs
PCB 4529	Experimental Molecular Biology	3 hrs
PCB 4174	Foundation of Bio-Imaging Science	3 hrs

#### Chemistry

BCH 4053	Biochemistry I	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2211L	Organic Laboratory Techniques I	2 hrs

#### Physics

Select one of the following sequences of courses:

PHY 2053C	College Physics I and	4 hrs
PHY 2054C	College Physics II	4 hrs

or

PHY 2048C	Physics for Engineers & Scientists I and	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

## Math

Select 1:		3 hrs
MAC 2311	Calculus with Analytic Geometry I or	GEP
MAC 2253	Applied Calculus I	GEP

### 5. Restricted Electives (6 hrs)

- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.

- Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
MCB 3203	Pathogenic Microbiology	3 hrs
MCB 3404	Bacterial Genetics and Physiology	3 hrs
MCB 4203	Infectious Processes	3 hrs
MCB 4204	Cellular Microbiology: Host-Pathogen Interactions	3 hrs
MCB 4503C	Virology	3 hrs
MCB 4603	Environmental Microbiology	3 hrs
MCB 5225	Molecular Biology of Disease	3 hrs
MCB 5505	Molecular Virology	3 hrs
MCB 5654	Applied Microbiology	3 hrs
MCB 5932	Current Topics in Molecular Biology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3703C	Human Physiology	4 hrs
PCB 4251	Tissue Engineering	3 hrs
PCB 4805	Endocrinology	3 hrs
PCB 5238	Immunobiology	3 hrs
PCB 5275	Signal Transduction Mechanics	3 hrs
PCB 5236	Cancer Biology	3 hrs
MCB 4912	Directed Independent Research	3 hrs
MCB 4970H	Honors Undergraduate Thesis II	3 hrs
MCB 3203L	Pathogenic Microbiology Lab	1 hr

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

- None

### 8. Electives

- Variable

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives
- A minimum of 20 hours must be taken at UCF in the department of the major
- Students will be required to pass a comprehensive test during their last semester

### 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

## 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

## Acceptable Substitutes for Transfer Courses

- Substitutes for Common Program Prerequisites
- MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STAX014 or STA X024 or STA X321

## Acceptable Substitutes

CHM 2045C may be substituted with CHM 2040 and CHM 2041 4 hrs

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 13 hrs

ENC 1101 Composition I 3 hrs

CHM 2045C Chemistry Fundamentals I 4 hrs

### Select 1: 3 hrs

PSY 2012 General Psychology or 3 hrs

SYG 2000 Introduction to Sociology or 3 hrs

ANT 2000 General Anthropology 3 hrs

### Freshman Year - Spring 14 hrs

ENC 1102 Composition II 3 hrs

SPC 1603 Fundamentals of Technical Presentations 3 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

BSC 2010C Biology I 4 hrs

### Sophomore Year - Fall 15 hrs

CHM 2210 Organic Chemistry I 3 hrs

MCB 3020C General Microbiology 5 hrs

### Select 1: 4 hrs

MAC 2311 Calculus with Analytic Geometry I or 4 hrs

MAC 2253 Applied Calculus I 3 hrs

### Select 1: 3 hrs

EUH 2000 Western Civilization I or 3 hrs

AMH 2010 U.S. History: 1492-1877 or 3 hrs

WOH 2012 World Civilization I or 3 hrs

HUM 2210 Humanistic Tradition I 3 hrs

### Sophomore Year - Spring 15 hrs

CHM 2211 Organic Chemistry II 3 hrs

CHM 2211L Organic Laboratory Techniques I 2 hrs

BSC 3403C Quantitative Biological Methods 4 hrs

### Select 1: 3 hrs

STA 2023 Statistical Methods I or 3 hrs

CGS 1060C Introduction to Computer Science 3 hrs

### Select 1: 3 hrs

EUH 2001 Western Civilization II or 3 hrs

AMH 2020 U.S. History: 1877-Present or 3 hrs

HUM 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: 3 hrs

ECO 2013 Principles of Macroeconomics or 3 hrs

POS 2041 American National Government 3 hrs

### Select 1: 4 hrs

PHY 2053C College Physics I or 4 hrs

<sup>1</sup>PHY 2048C Physics for Engineers & Scientists I 4 hrs

<sup>1</sup>\*Students electing to enroll in the PHY2048/2049 sequence must plan

to accommodate MAC 2311/2312 as prerequisites.

### Junior Year - Spring 15 hrs

PCB 4524 Molecular Biology II 3 hrs

PCB 4239 Molecular Immunology 3 hrs

PCB 3233L Immunology Laboratory 1 hr

BSC 2011C Biology II 4 hrs

### Select 1: 4 hrs

PHY 2054C College Physics II or 4 hrs

<sup>1</sup>PHY 2049C Physics for Engineers and Scientists II 4 hrs

<sup>1</sup>\*Students electing to enroll in the PHY2048/2049 sequence must plan

to accommodate MAC 2311/2312 as prerequisites.

### 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 4239 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

# UCF Degree Programs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/aic/academic_learning_compacts.htm)

## Equipment Fees

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

## Business Administration (B.A.B.A.)

### College of Business Administration

### Department of Management, Business Administration

### II, Room: 101

<http://www.bus.ucf.edu>

**E-mail: [cba@bus.ucf.edu](mailto:cba@bus.ucf.edu)**

Selena Forrest (Clermont Advising), 352-536-2174

Angelia Jones (Cocoa Advising), 321-433-7889

Christine Davis (Daytona Advising), 386-506-4021

Melba Sanchez (College of Business), 407-823-2184

407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF's undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

## Admission Requirements

- 2.0 GPA and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

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

#### A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

Required	MAC 1140	Pre-Calculus Algebra	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

#### D: Social Foundations (6 hrs)

##### Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Suggested	ECO 2023	Principles of Microeconomics	3 hrs

##### Select 1: (3 hrs)

Suggested	ANT 2000	General Anthropology or	3 hrs
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Suggested	PSY 2012	General Psychology or	3 hrs
Suggested	SYG 2000	Introduction to Sociology	3 hrs

### E: Science Foundations (6 hrs)

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

- Must be completed with a "C" (2.0) or better.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

### Select one of the following sequences of courses:

- Must earn a "C" (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs
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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
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> Required in the 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

### 5. Restricted Electives

- None

### 6. Capstone Requirements (4 hrs)

MAN 4720	Strategic Management	4 hrs
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- This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs

<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
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MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

### 7. Foreign Language Requirements

#### Admissions

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

#### Graduation

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

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- Existing non-business minor offered at Regional Campuses

### 11. Departmental Exit Requirements

- None

**12. University Minimum Exit Requirements**

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

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- None

**Transfer Notes**

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

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

**Acceptable Substitutes for Transfer Courses**

- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

**Plan of Study**

- None

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/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, Chemistry, Room: 117****<http://chemistry.cos.ucf.edu/>****E-mail: [chemstaf@mail.ucf.edu](mailto:chemstaf@mail.ucf.edu)**

Dr. Pedro Patino

407-823-2246

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
  - Co-op or internship credit cannot be used in the major
  - Students should consult with a departmental advisor
  - Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
  - Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
  - Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
  - Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
  - AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- |           |   |       |
|-----------|---|-------|
| CHM 2045C | Chemistry Fundamentals I                | 4 hrs |
| CHM 2046  | Chemistry Fundamentals II               | 3 hrs |
| CHM 2046L | Chemistry Fundamentals Laboratory       | 1 hr  |
| CHM 2210  | Organic Chemistry I                     | 3 hrs |
| CHM 2211  | Organic Chemistry II                    | 3 hrs |
| CHM 2211L | Organic Laboratory Techniques I         | 2 hrs |
| MAC 2311  | Calculus with Analytic Geometry I       | 4 hrs |
| MAC 2312  | Calculus with Analytic Geometry II      | 4 hrs |
| PHY 2048C | Physics for Engineers & Scientists I    | 4 hrs |
| PHY 2049C | Physics for Engineers and Scientists II | 4 hrs |

**1. UCF General Education Program (GEP) (39 hrs)**

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

**A: Communication Foundations (9 hrs)**

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs

**B: Cultural & Historical Foundations (9 hrs)****C: Mathematical Foundations (7 hrs)**

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Prefer	STA 2023	Statistical Methods I	3 hrs

**D: Social Foundations (6 hrs)****E: Science Foundations (8 hrs)**

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Required	BSC 2010C	Biology I	4 hrs

**2. Common Program Prerequisites (CPP) (24 hrs)**

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

- Prior to enrolling in Chemistry, you must take the Chemistry

Placement Test - <http://chemplacement.sdes.ucf.edu>

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs

# UCF Degree Programs

PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

NOTE: These courses are considered to be equivalent:

- A one semester course for students with a strong chemistry background and high Chem Placement scores:

CHM 2045C	Chemistry Fundamentals I	4 hrs
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or - Students with little chemistry background should take 2 this semester equivalent instead.

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

### 3. Core Requirements: Basic Level (4 hrs)

BSC 2010C	Biology I	GEP
MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP/CP
PHY 2049C	Physics for Engineers and Scientists II	CPP

### Select 1:

STA 1060C	Basic Statistics Using Microsoft Excel or	GEP
STA 2023	Statistical Methods I	GEP

### 4. Core Requirements: Advanced Level (34 hrs)

BCH 4053	Biochemistry I	3 hrs
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
CHM 3212L	Organic Laboratory Techniques II	2 hrs
CHM 3410	Physical Chemistry I	4 hrs
CHM 3411	Physical Chemistry II	3 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 4610	Inorganic Chemistry	3 hrs
CHM 4610L	Inorganic Chemistry Laboratory	2 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 4130L	Advanced Analytical Chemistry Laboratory	2 hrs
CHM 4912	Directed Independent Research	4 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4931	Chemistry Seminar II	1 hr

### 5. Restricted Electives (6 hrs)

Select from the following courses:

BCH 4054	Biochemistry II	3 hrs
CHM 4220	Organic Chemistry III	3 hrs
CHM 5225	Advanced Organic Chemistry	3 hrs
CHM 5235	Applied Molecular Spectroscopy	3 hrs
CHM 5450	Polymer Chemistry	3 hrs
CHM 5451C	Techniques in Polymer Science	3 hrs
CHM 5580	Advanced Physical Chemistry	3 hrs
CHS 4200	Concepts in Industrial Chemistry	3 hrs
CHS 4615	Environmental Chemistry	3 hrs

### Directed Electives 3 hrs

Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

### 6. Capstone Requirements

None

### 7. Foreign Language Requirements

#### Admissions

Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation

None

### 8. Electives

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

### 9. Additional Requirements

Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.

Achieve at least a "C" (2.0) grade in each UCF Chemistry course used to satisfy the major.

The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

Grades earned in the following will not be applied in the determination of the Chemistry GPA:

CHM 4912	Directed Independent Research	4 hrs
CHM 4930	Chemistry Seminar I	1 hr
CHM 4931	Chemistry Seminar II	1 hr

### 10. Required Minors

None

### 11. Departmental Exit Requirements

Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.

Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.

Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120

### Honors In Major

None

### Related Programs

Forensic Science - Analysis Track

Forensic Science - Biochemistry Track

Biomedical Sciences

Science Education - Chemistry

Chemistry - Biochemistry Track

### Certificates

None

### Related Minors

Chemistry

Biomedical Sciences

### Advising Notes

Students must satisfy each course's prerequisites before enrolling in the class.

### Transfer Notes

Lower Division courses taken at community colleges do not substitute for Upper Division courses

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

CHM 2045C: may use CHM X040C plus CHM X041C.

Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.

Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

### Plan of Study

One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Before registering for Chemistry, you must take the Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>

Before registering for Math, you must take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

### Freshman Year - Fall

BSC 2010C	Biology I	15 hrs
ENC 1101	Composition I	4 hrs
MAC 2311	Calculus with Analytic Geometry I	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs



<b>Freshman Year - Spring</b>		<b>14 hrs</b>
ENC 1102	Composition II	3 hrs
GEP		3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2312	Calculus with Analytic Geometry II	4 hrs

<b>Sophomore Year - Fall</b>		<b>14 hrs</b>
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
CHM 2210	Organic Chemistry I	3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
Statistics		3 hrs

<b>Sophomore Year - Spring</b>		<b>14 hrs</b>
GEP		3 hrs
CHM 2211	Organic Chemistry II	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
Free Elective		2 hrs

<b>Junior Year - Fall</b>		<b>16 hrs</b>
GEP		3 hrs
BCH 4053	Biochemistry I	3 hrs
CHM 3120	Analytical Chemistry	3 hrs
CHM 3212L	Organic Laboratory Techniques II	2 hrs
CHM 3410	Physical Chemistry I	4 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr

<b>Junior Year - Spring</b>		<b>16 hrs</b>
CHM 3411	Physical Chemistry II	3 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 4610	Inorganic Chemistry	3 hrs
Restricted Elective		3 hrs
CHM 4130L	Advanced Analytical Chemistry Laboratory	2 hrs

<b>Senior Year - Fall</b>		<b>16 hrs</b>
GEP		3 hrs
CHM 4610L	Inorganic Chemistry Laboratory	2 hrs
CHM 4930	Chemistry Seminar I	1 hr
Restricted Elective		3 hrs
Free Elective		2 hrs
CHM 4912	Directed Independent Research	2 hrs
Free Elective		3 hrs

<b>Senior Year - Spring</b>		<b>15 hrs</b>
GEP		3 hrs
GEP		3 hrs
CHM 4912	Directed Independent Research	2 hrs
CHM 4931	Chemistry Seminar II	1 hr
Free Elective		3 hrs
Free Elective		3 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alcl/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcl/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Chemistry - Biochemistry Track (B.S.)

### College of Sciences

**Department of Chemistry, CH, Room: 117**

<http://www.cos.ucf.edu/chemistry>

**E-mail: chemstaf@mail.ucf.edu**

Dr. Pedro Patino  
407-823-2246

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.

■ Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.

■ Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.

■ Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.

■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.

■ AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

### 1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

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

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Prefer	STA 2023	Statistical Methods I	3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Required	BSC 2010C	Biology I	4 hrs

### 2. Common Program Prerequisites (CPP) (20 hrs)

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs

NOTE: These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:

CHM 2045C	Chemistry Fundamentals I	4 hrs
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or - Students with little chemistry background should take this two semester equivalent instead.

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

### 3. Core Requirements: Basic Level (14 hrs)

BSC 2010C	Biology I	GEP
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
CHM 3212L	Organic Laboratory Techniques II	2 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

## UCF Degree Programs

### Select one of the following statistics courses

STA 1060C	Basic Statistics Using Microsoft Excel or	GEP
STA 2023	Statistical Methods I	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.
- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

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

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

#### Certificates

- None

#### Related Minors

- Chemistry
- Biology
- Biomedical Sciences

#### Advising Notes

- None

#### Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

#### Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

#### Freshman Year - Fall 15 hrs

BSC 2010C	Biology I	4 hrs
ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

#### Freshman Year - Spring 17 hrs

ENC 1102	Composition II	3 hrs
GEP		3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2312	Calculus with Analytic Geometry II	4 hrs
GEP		3 hrs

#### Sophomore Year - Fall 14 hrs

PHY 2048C	Physics for Engineers & Scientists I	4 hrs
CHM 2210	Organic Chemistry I	3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
Statistics		3 hrs

#### Sophomore Year - Spring 16 hrs

CHM 2211	Organic Chemistry II	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
CHM 3120	Analytical Chemistry	3 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
PCB 3063	Genetics	3 hrs

<b>Junior Year - Fall</b>	<b>14 hrs</b>
GEP	3 hrs
BCH 4053 Biochemistry I	3 hrs
PCB 3023 Molecular Cell Biology	3 hrs
CHM 3212L Organic Laboratory Techniques II	2 hrs
GEP	3 hrs

<b>Junior Year - Spring</b>	<b>13 hrs</b>
GEP	3 hrs
MCB 3020C General Microbiology	5 hrs
BCH 4054 Biochemistry II	3 hrs
BCH 4103L Biochemical Methods	2 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
CHM 3410 Physical Chemistry I	4 hrs
CHM 4912 Directed Independent Research	1 hr
Restricted Elective	3 hrs
Restricted Elective	4 hrs
CHM 4930 Chemistry Seminar I	1 hr
Restricted Elective	3 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
CHM 4912 Directed Independent Research	3 hrs
CHM 4931 Chemistry Seminar II	1 hr
CHM 3411 Physical Chemistry II	3 hrs
CHM 3411L Physical Chemistry Laboratory	2 hrs
CHM 4610 Inorganic Chemistry	3 hrs

**Program Academic Learning Compacts**

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.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

## Civil Engineering (B.S.C.E.)

### College of Engineering and Computer Science

### Department of Civil, Environmental, and Construction

### Engineering, Engineering II, Room: 211

<http://www.cece.ucf.edu>

Carol Ann Pohl, carol.pohl@ucf.edu  
 Dr. F. Necati Catbas, fikret.catbas@ucf.edu  
 407-823-2841

**Admission Requirements**

- None

**Degree Requirements (128 hrs)**

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

■ A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

**1. UCF General Education Program (GEP) (38 hrs)**

■ The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations (9 hrs)**

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Suggested	SPC 1603	Fundamentals of Technical Presentations	3 hrs

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

Select two courses from Historical Foundations 6 hrs  
 Select one course from Cultural Foundations 3 hrs

**C: Mathematical Foundations (7 hrs)**

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

**D: Social Foundations (6 hrs)**

Select one class from Social Foundation Group 1 3 hrs  
 Select one class from Social Foundation Group 2 3 hrs

**E: Science Foundations (7 hrs)**

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Prefer	GEO 1200	Physical Geography	3 hrs

**2. Common Program Prerequisites (CPP) (19 hrs)**

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ A grade of "C" (2.0) or better is required in each course in this section.

MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

**Select one of the following sequences of courses:**

- Preferred course  
 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

**or - First alternative: Select all of the following:**

CHM 2040	Chemistry Fundamentals IA and IB	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

**or - Second alternative**

CHM 2045C	Chemistry Fundamentals I	4 hrs
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**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)**

<sup>1</sup> EGN 3310	Engineering Analysis-Statics	3 hrs
<sup>1</sup> EGN 3321	Engineering Analysis-Dynamics	3 hrs
<sup>1</sup> EGN 3331	Mechanics of Materials	3 hrs
EGN 3343	Thermodynamics	3 hrs
<sup>1</sup> EGN 3613	Engineering Economic Analysis	2 hrs
<sup>1</sup> ENV 3001	Introduction to Environmental Engineering	3 hrs
<sup>1</sup> CCE 4003	Introduction to the Construction Industry	3 hrs
<sup>1</sup> STA 3032	Probability and Statistics for Engineers	GEP
CGN 3700C	Civil Engineering Measurements	4 hrs
CGN 3501C	Civil Engineering Materials	3 hrs
<sup>1</sup> CEG 4011C	Geotechnical Engineering I	4 hrs
<sup>1</sup> CES 4100C	Structural Analysis I and Lab	4 hrs
<sup>1</sup> CWR 3201	Engineering Fluid Mechanics	3 hrs
CWR 4632C	Water Resources Engineering I	4 hrs
TTE 3810	Highway Engineering	3 hrs
ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
<sup>1</sup> CES 4605	Steel Structures	3 hrs
<sup>1</sup> 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

<sup>1</sup> A "C" (2.0) or better is required in this course.

# UCF Degree Programs

## 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 3 hrs

<sup>1</sup> CEG Geotechnical Engineering Design or 3 hrs  
 4801C  
 CES 4743C Structural Design or 3 hrs  
<sup>1</sup> CWR Water Resources Design or 3 hrs  
 4812C  
<sup>1</sup> ENV 4562C Environmental Engineering Water 3 hrs  
 Treatment Design or  
<sup>1</sup> TTE 4601C Urban Systems Design 3 hrs

<sup>1</sup> 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, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

128

## Honors In Major

None

## Related Programs

- Construction Engineering
- Environmental Engineering

## Certificates

None

## Related Minors

- Mathematics
- Engineering Leadership

## Advising Notes

Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

## Transfer Notes

Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.

EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

## Acceptable Substitutes for Transfer Courses

None

## Plan of Study (128 hrs)

The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

### Freshman Year - Fall 14 hrs

ENC 1101 Composition I 3 hrs  
 GEP 6 hrs  
 MAC 2311 Calculus with Analytic Geometry I 4 hrs  
 EGN 1006C Introduction to the Engineering Profession 1 hr

### Freshman Year - Spring 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 Differential Equations 3 hrs  
 PHY 2049C Physics for Engineers and Scientists II 4 hrs  
 EGN 3321 Engineering Analysis-Dynamics 3 hrs  
 EGN 3331 Mechanics of Materials 3 hrs  
 GEP 3 hrs

### Sophomore Year - Summer 9 hrs

ENV 3001 Introduction to Environmental Engineering 3 hrs  
 STA 3032 Probability and Statistics for Engineers 3 hrs  
 GEP 3 hrs

### Junior Year - Fall 17 hrs

CWR 3201 Engineering Fluid Mechanics 3 hrs  
 CCE 4003 Introduction to the Construction Industry 3 hrs  
 CGN 3501C Civil Engineering Materials 3 hrs  
 CES 4100C Structural Analysis I and Lab 4 hrs  
 CGN 3700C Civil Engineering Measurements 4 hrs

### Junior Year - Spring 17 hrs

GEP 3 hrs  
 CES 4702 Reinforced Concrete Structures 3 hrs  
 CEG 4011C Geotechnical Engineering I 4 hrs  
 CWR 4632C Water Resources Engineering I 4 hrs  
 TTE 3810 Highway Engineering 3 hrs

### Senior Year - Fall 15 hrs

CES 4605 Steel Structures 3 hrs  
 ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

### Discipline Depth 6 hrs

CEG 4012 Geotechnical Engineering II or 3 hrs  
 CWR 4633C Water Resources Engineering II or 3 hrs  
 ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs  
 TTE 4274 Transportation Engineering Systems 3 hrs

<b>Design Elective</b>		<b>3 hrs</b>
CEG 4801C	Geotechnical Engineering Design or	3 hrs
CES 4743C	Structural Design or	3 hrs
CWR 4812C	Water Resources Design or	3 hrs
ENV 4562C	Environmental Engineering Water Treatment Design or	3 hrs
TTE 4601C	Urban Systems Design	3 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
GEP		3 hrs
EGN 3343	Thermodynamics	3 hrs
CGN 4808C	CECE Capstone Design	3 hrs

<b>Discipline Depth</b>		<b>3 hrs</b>
CEG 4012	Geotechnical Engineering II or	3 hrs
CWR 4633C	Water Resources Engineering II or	3 hrs
TTE 4274	Transportation Engineering Systems or	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes)

for undergraduate programs are located at:

[http://www.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

## Communication Sciences and Disorders (B.A. / B.S.)

**College of Health and Public Affairs**

**Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101**

<http://www.cohpa.ucf.edu/comdis/>

**E-mail: [advising@mail.ucf.edu](mailto:advising@mail.ucf.edu)**

Dr. Cecyle Carson, Undergraduate Program Coordinator  
407-823-4798

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/ Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a "C-" (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

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

<b>A: Communication Foundations (9 hrs)</b>		
Prefer	SPC 1608	Fundamentals of Oral Communication 3 hrs

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

**C: Mathematical Foundations (6 hrs)**

<b>Select 1: (3 hrs)</b>		
Suggested	STA 2014C	Principles of Statistics or 3 hrs
Suggested	STA 2023	Statistical Methods I 3 hrs

<b>Select 1: (3 hrs)</b>		
Suggested	MGF 1106	Finite Mathematics or 3 hrs
Suggested	MGF 1107	Explorations in Mathematics 3 hrs

<b>D: Social Foundations (6 hrs)</b>		
Suggested	PSY 2012	General Psychology 3 hrs

<b>Select 1: (3 hrs)</b>		
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Suggested	ECO 2013	Principles of Macroeconomics 3 hrs
		<b>or</b>
Suggested	ECO 2023	Principles of Microeconomics 3 hrs
		<b>or</b>
Suggested	POS 2041	American National Government 3 hrs

<b>E: Science Foundations (6 hrs)</b>		
Prefer	BSC 1005	Biological Principles 3 hrs
Required	PHY 2XXX	Physics Course 3 hrs

<b>2. Common Program Prerequisites (CPP)</b>		
STA 2014C	Principles of Statistics	GEP
BSC 1005	Biological Principles	GEP
PSY 2012	General Psychology	GEP
PHY 2XXX	Physics Course (GEP)	

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (56 hrs)**

**Core Requirements 53 hrs**

DEP 2004C	Developmental Psychology	3 hrs
SPA 3471	Communication Disorders in Literature and Media	3 hrs
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs
SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
LIN 3716	Language Development	3 hrs
LIN 3716L	Language Development Lab	2 hrs
SPA 3011	Speech Science I: Production	3 hrs
SPA 3011L	Speech Production lab	1 hr
SPA 3104	Neural Bases of Communication	3 hrs
SPA 3123	Speech Science II: Perception	3 hrs
SPA 3123L	Speech Perception Lab	1 hr
SPA 4476	Speech Disorders Across the Lifespan	3 hrs
SPA 4032	Audiology	3 hrs
SPA 4478	Multicultural Aspects of Communication Disorders & Differences	3 hrs
SPA 4400	Language Disorders Across the Life Span	3 hrs
SPA 4321	Audiologic Rehabilitation	3 hrs
LIN 3713	Language Science	3 hrs
SPA 4870C	Capstone Course	3 hrs

**Select 1: (3 hrs)**

EAB 3703C	Principles of Behavior Modification or	4 hrs
EEX 4601	Introduction to Behavior Management or	3 hrs
EEC 4604	Classroom Management and Guidance of Young Children or	3 hrs
EDF 3303	Learning Environments and Guidance for Young Children or	3 hrs
SPA 3472	Guidance of Young Children with Communication Disorders	3 hrs

**Statistics Requirement (3 hrs)**

- Students have two options for completing this requirement:

<b>Option 1: (3 hrs)</b>		
STA 2023	Statistical Methods I and	GEP
STA 4163	Statistical Methods II	3 hrs

<b>Option 2: (3 hrs)</b>		
STA 2014C	Principles of Statistics and	GEP
SPA 4803	Research Methods in Communication Sciences and Disorders	3 hrs

<b>or (3 hrs)</b>		
STA 2023	Statistical Methods I and	GEP
SPA 4803	Research Methods in Communication Sciences and Disorders	3 hrs

**5. Restricted Electives (9 hrs)**

- An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

**B.A./B.S. Option:**

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.

- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

# UCF Degree Programs

**6. Capstone Requirements**  
SPA 4870C Capstone Course 3 hrs

## 7. Foreign Language Requirements

### Admissions

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

### Graduation

- None

## 8. Electives

- Students can choose 12 hours of electives. A minor or certificate is encouraged.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Students must achieve a minimum grade of "C-" (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

## 12. University Minimum Exit Requirements

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

### Total Semester Hours Required

- 120

### Honors In Major

- Interested students should consult with the undergraduate program coordinator.

### Related Programs

- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education

### Certificates

- None

### Related Minors

- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology
- Spanish

### Advising Notes

- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master's degree in Communication Sciences and Disorders.

### Transfer Notes

- "D" (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

### Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

### Freshman Year - Fall

ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs
BSC 1005L	Biological Principles Laboratory	1 hr
BSC 1005	Biological Principles	3 hrs
Free Elective		3 hrs

### Select 1:

ARH 2050	History of Western Art I or	3 hrs
ARH 2051	History of Western Art II or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II or	3 hrs
FIL 1000	Cinema Survey	3 hrs

### Freshman Year - Spring

ENC 1102	Composition II	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

### Select 1:

PHY 2XXX	(Physics Course)	3 hrs
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### Select 1:

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics or	3 hrs
POS 2041	American National Government	3 hrs

### Select 1:

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

### Sophomore Year - Fall

SPC 1608	Fundamentals of Oral Communication	3 hrs
SPA 3471	Communication Disorders in Literature and Media	3 hrs

Free Elective 3 hrs

### Select 1:

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

### Select 1:

MGF 1106	Finite Mathematics or	3 hrs
MAC 1105C	College Algebra	3 hrs

### Sophomore Year - Spring

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.

SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
Foreign Language I (B.A.) or Health Sciences (B.S.) elective		3 hrs

### Select 1:

EAB 3703C	Principles of Behavior Modification or	4 hrs
EDF 3303	Learning Environments and Guidance for Young Children or	3 hrs

EEX 4601 Introduction to Behavior Management or

EEC 4604 Classroom Management and Guidance of Young Children or

SPA 3472 Guidance of Young Children with

Communication Disorders 3 hrs

### Select 1:

STA 2014C	Principles of Statistics or	3 hrs
STA 2023	Statistical Methods I	3 hrs

### Sophomore Year - Summer

- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.

Foreign Language II (B.A.) or Health Sciences (B.S.) elective		3 hrs
Free Elective		3 hrs

<b>Junior Year - Fall</b>	<b>13 hrs</b>
SPA 3011 Speech Science I: Production	3 hrs
SPA 3011L Speech Production lab	1 hr
SPA 3101 Physiological Bases of Speech and Hearing	3 hrs
LIN 3713 Language Science	3 hrs
Restricted Elective	3 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
SPA 3123 Speech Science II: Perception	3 hrs
SPA 3123L Speech Perception Lab	1 hr
SPA 4476 Speech Disorders Across the Lifespan	3 hrs
SPA 3104 Neural Bases of Communication	3 hrs
LIN 3716 Language Development	3 hrs
LIN 3716L Language Development Lab	2 hrs

<b>Senior Year - Fall</b>	<b>12 hrs</b>
SPA 4032 Audiology	3 hrs
SPA 4400 Language Disorders Across the Life Span	3 hrs
SPA 4478 Multicultural Aspects of Communication Disorders & Differences	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
STA 4163 Statistical Methods II or	3 hrs
SPA 4803 Research Methods in Communication Sciences and Disorders	3 hrs

<b>Senior Year - Spring</b>	<b>12 hrs</b>
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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: \$17.50 per term
- Full-Time Student: \$35.00 per term

**Computer Engineering (B.S.P.E.)**  
**College of Engineering and Computer Science**  
**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**  
<http://www.eecs.ucf.edu>

**E-mail: [undergraduate@eecs.ucf.edu](mailto:undergraduate@eecs.ucf.edu)**

Dr. Samuel Richie  
 Charlese Hilton-Brown  
 407-823-3327

**Admission Requirements**

- None

**Degree Requirements**

- None

**1. UCF General Education Program (GEP) (38 hrs)**

■ UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
Suggested SPC 1603 Fundamentals of Technical Presentations or	3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication	3 hrs

<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

<b>C: Mathematical Foundations</b>	<b>(7 hrs)</b>
Required MAC 2311 Calculus with Analytic Geometry I	4 hrs
Required STA 3032 Probability and Statistics for Engineers	3 hrs

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>Select 1:</b>	<b>3 hrs</b>
Prefer ECO 2013 Principles of Macroeconomics	3 hrs
or	
Prefer ECO 2023 Principles of Microeconomics	3 hrs
Select one class from Social Foundations	3 hrs

<b>E: Science Foundations</b>	<b>(7 hrs)</b>
Required PHY 2048C Physics for Engineers & Scientists I	4 hrs
Select one course from Science Foundations	3 hrs

**2. Common Program Prerequisites (CPP) (19 hrs)**

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those course indicated.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

<sup>1</sup> MAC 2311	Calculus with Analytic Geometry I	GEP
<sup>1</sup> MAC 2312	Calculus with Analytic Geometry II	4 hrs
<sup>1</sup> MAC 2313	Calculus with Analytic Geometry III	4 hrs
<sup>1</sup> MAP 2302	Differential Equations	3 hrs
<sup>1</sup> PHY 2048C	Physics for Engineers & Scientists I	GEP
<sup>1</sup> PHY 2049C	Physics for Engineers and Scientists II	4 hrs

<b>Select 1:</b>	<b>4 hrs</b>	
<sup>2</sup> CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
or		
CHM 2045C	Chemistry Fundamentals I	4 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

<sup>2</sup> Preferred

**3. Core Requirements: Basic Level (2 hrs)**

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

**4. Core Requirements: Advanced Level (54 hrs)**

<b>Engineering Core</b>	<b>6 hrs</b>	
EGN 3310	Engineering Analysis-Statics	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP

<b>Select 1:</b>	<b>3 hrs</b>	
EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

**Courses Required for the Major (48 hrs)**

COT 3100C	Introduction to Discrete Structures	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	4 hrs
COP 3330	Object Oriented Programming	3 hrs
COP 4331C	Processes for Object-Oriented Software Development	4 hrs
EEL 3004	Electrical Networks	3 hrs
EEL 3123C	Networks and Systems	4 hrs
EEE 3307C	Electronics I	4 hrs
EEE 3342C	Digital Systems	3 hrs
EEL 3801C	Computer Organization	3 hrs
EEL 4742C	Embedded Systems	4 hrs
EEL 4768C	Computer Architecture	4 hrs
EEL 4781	Computer Communication Networks	3 hrs
COP 4600	Operating Systems	3 hrs

## UCF Degree Programs

### 5. Restricted Electives

(9 hrs)

■ Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements

(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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 128

#### Honors In Major

■ None

#### Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates

■ None

#### Related Minors

- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

#### Advising Notes

- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

#### Transfer Notes

■ Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation

#### Acceptable Substitutes for Transfer Courses

■ None

#### Plan of Study

(128 hrs)

■ The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall

14 hrs

EGN 1006C Introduction to the Engineering Profession 1 hr  
MAC 2311 Calculus with Analytic Geometry I 4 hrs  
SPC 1603 Fundamentals of Technical Presentations 3 hrs  
GEP- Historical Foundation 3 hrs  
GEP- Science Foundation 3 hrs

#### Freshman Year - Spring

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  
COP 3223 Introduction to Programming with C 3 hrs

#### Sophomore Year - Fall

17 hrs

PHY 2049C Physics for Engineers and Scientists II 4 hrs  
COT 3100C Introduction to Discrete Structures 3 hrs  
EGN 3310 Engineering Analysis-Statics 3 hrs  
MAC 2313 Calculus with Analytic Geometry III 4 hrs  
GEP- Historical Foundation 3 hrs

#### Sophomore Year - Spring

16 hrs

EEL 3004 Electrical Networks 3 hrs  
EEE 3342C Digital Systems 3 hrs  
MAP 2302 Differential Equations 3 hrs  
ENC 1102 Composition II 3 hrs

#### Select 1:

4 hrs

<sup>1</sup> CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs  
or  
CHM 2045C Chemistry Fundamentals I 4 hrs

<sup>1</sup> Preferred

#### Sophomore Year - Summer

9 hrs

EEL 3123C Networks and Systems 4 hrs  
EEL 3801C Computer Organization 3 hrs  
GEP- Cultural Foundation 3 hrs

#### Junior Year - Fall

16 hrs

COP 3330 Object Oriented Programming 3 hrs  
COP 3502C Computer Science I 3 hrs  
STA 3032 Probability and Statistics for Engineers 3 hrs  
EEE 3307C Electronics I 4 hrs

#### Select 1:

3 hrs

EGN 3321 Engineering Analysis-Dynamics or 3 hrs  
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

#### Junior Year - Spring

15 hrs

COP 3503C Computer Science II 4 hrs  
EEL 4742C Embedded Systems 4 hrs  
COP 4331C Processes for Object-Oriented Software 4 hrs  
Development  
GEP- Social Foundation 3 hrs

#### Senior Year - Fall

16 hrs

EEL 4768C Computer Architecture 4 hrs  
EEL 4914 Senior Design I 3 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs

#### Select 1:

3 hrs

ECO 2013 Principles of Macroeconomics or 3 hrs  
ECO 2023 Principles of Microeconomics 3 hrs

#### Senior Year - Spring

12 hrs

COP 4600 Operating Systems 3 hrs  
EEL 4915L Senior Design II 3 hrs  
EEL 4781 Computer Communication Networks 3 hrs  
Restricted Elective 3 hrs



## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes)

for undergraduate programs are located at:

[http://www.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

## Computer Science (B.S.)

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**

<http://www.eecs.ucf.edu>

**E-mail: [undergraduate@eecs.ucf.edu](mailto:undergraduate@eecs.ucf.edu)**

Dr. Ali Orooji

Julie Faris

407-823-3327

## Admission Requirements

- Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

## Degree Requirements

- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level
- Students must earn at least a 2.0 in each course 2-5

### 1. UCF General Education Program (GEP) (39 hrs)

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

#### Select 1: (3 hrs)

Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs
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#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Prefer	BSC 2010C	Biology I	4 hrs
Prefer	PHY 2048C	Physics for Engineers & Scientists I	4 hrs

### 2. Common Program Prerequisites (CPP) (17 hrs)

- A "C" (2.0) or better is required in all courses in this area.
- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

#### Select 2: (6 hrs)

- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.

BSC 2010C	Biology I or	GEP
BSC 2011C	Biology II or	4 hrs
CHM 2045C	Chemistry Fundamentals I or	4 hrs
CHM 2046	Chemistry Fundamentals II or	3 hrs
PHY 3101	Physics for Engineers and Scientists III	3 hrs

### 3. Core Requirements: Basic Level (25 hrs)

■ A "C" (2.0) or better is required in all courses in this area.		
STA 2023	Statistical Methods I	GEP
COP 3330	Object Oriented Programming	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	4 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
CDA 3103	Computer Logic and Organization	3 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs
CIS 3360	Security in Computing	3 hrs
COP 3402	Systems Software	3 hrs
COT 3960	CS Foundation Exam	0 hrs

### 4. Core Requirements: Advanced Level (20 hrs)

- A "C" (2.0) or better is required in all courses in this area.
- Students must maintain at least a 2.5 GPA in the following courses.

Only the highest grade is used in the calculation.

COP 4331C	Processes for Object-Oriented Software Development	4 hrs
EEL 4768C	Computer Architecture	4 hrs
COT 4210	Discrete Structures II	3 hrs
COP 4020	Programming Languages I	3 hrs
COP 4600	Operating Systems	3 hrs
COT 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	Differential Equations	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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

# UCF Degree Programs

## Honors In Major

- None

## Related Programs

- Computer Engineering
- Information Technology

## Certificates

- None

## Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

## Advising Notes

The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

<b>Freshman Year - Fall</b>	<b>12 hrs</b>
ENC 1101 Composition I	3 hrs
SPC 1603 Fundamentals of Technical Presentations	3 hrs
COP 3223 Introduction to Programming with C	3 hrs
COT 3100C Introduction to Discrete Structures	3 hrs

<b>Freshman Year - Spring</b>	<b>13 hrs</b>
ENC 1102 Composition II	3 hrs
MAC 2311 Calculus with Analytic Geometry I	4 hrs
COP 3502C Computer Science I	3 hrs
CDA 3103 Computer Logic and Organization	3 hrs
COT 3960 CS Foundation Exam	0 hrs

<b>Freshman Year - Summer</b>	<b>7 hrs</b>
MAC 2312 Calculus with Analytic Geometry II	4 hrs
COP 3330 Object Oriented Programming	3 hrs

<b>Sophomore Year - Fall</b>	<b>14 hrs</b>
COP 3402 Systems Software	3 hrs
COP 3503C Computer Science II	4 hrs
PHY 2048C Physics for Engineers & Scientists I	4 hrs
GEP	3 hrs

<b>Sophomore Year - Spring</b>	<b>14 hrs</b>
COP 4331C Processes for Object-Oriented Software Development	4 hrs
ENC 3241 Writing for the Technical Professional	3 hrs
PHY 2049C Physics for Engineers and Scientists II	4 hrs
CIS 3360 Security in Computing	3 hrs

<b>Sophomore Year - Summer</b>	<b>6 hrs</b>
STA 2023 Statistical Methods I	3 hrs
GEP	3 hrs

<b>Junior Year - Fall</b>	<b>14 hrs</b>
EEL 4768C Computer Architecture	4 hrs
COP 4020 Programming Languages I	3 hrs
BSC 2010C Biology I	4 hrs
GEP	3 hrs

<b>Junior Year - Spring</b>	<b>13 hrs</b>
COP 4600 Operating Systems	3 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs
Math/Stat Restricted Elective	3 hrs
CS Restricted Elective	3 hrs

<b>Junior Year - Summer</b>	<b>3 hrs</b>
COT 4210 Discrete Structures II	3 hrs

<b>Senior Year - Fall</b>	<b>12 hrs</b>
COT 4810 Topics in Computer Science	3 hrs
CS Restricted Elective	3 hrs
GEP	3 hrs
Free Elective	3 hrs

<b>Senior Year - Spring</b>	<b>12 hrs</b>
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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Construction Engineering (B.S.Con.E.)

### College of Engineering and Computer Science

### Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

<http://www.cece.ucf.edu>

Carol Ann Pohl, carol.pohl@ucf.edu

Dr. Amr A. Oloufa, amr.oloufa@ucf.edu

407-823-2841

## Admission Requirements

- None

## Degree Requirements (128 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

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

The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Suggested	SPC 1603	Fundamentals of Technical Presentations	3 hrs

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

Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

#### D: Social Foundations (6 hrs)

Select one class from Social Foundation Group 1	3 hrs
Select one course from Social Foundation Group 2	3 hrs

#### E: Science Foundations (7 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Prefer	GEO 1200	Physical Geography	3 hrs

### 2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ A grade of "C" (2.0) or better is required in each course in this section.

MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

Select one of the following sequences of courses:

- Preferred course  
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

or - First alternative: Select both of the following:  
CHM 2040 Chemistry Fundamentals IA and 3 hrs  
CHM 2041 Chemistry Fundamentals IB 3 hrs

or - Second alternative  
CHM 2045C Chemistry Fundamentals I 4 hrs

**3. Core Requirements: Basic Level (2 hrs)**  
EGN 1006C Introduction to the Engineering Profession 1 hr  
EGN 1007C Engineering Concepts and Methods 1 hr

**4. Core Requirements: Advanced Level (60 hrs)**  
<sup>1</sup> EGN 3310 Engineering Analysis-Statics 3 hrs  
<sup>1</sup> EGN 3321 Engineering Analysis-Dynamics 3 hrs  
<sup>1</sup> EGN 3331 Mechanics of Materials 3 hrs  
<sup>1</sup> STA 3032 Probability and Statistics for Engineers GEP  
<sup>1</sup> EGN 3613 Engineering Economic Analysis 2 hrs  
<sup>1</sup> ENV 3001 Introduction to Environmental Engineering 3 hrs  
<sup>1</sup> CWR 3201 Engineering Fluid Mechanics 3 hrs  
<sup>1</sup> CCE 4003 Introduction to the Construction Industry 3 hrs  
<sup>1</sup> CCE 4034 Construction Estimating and Scheduling 3 hrs  
<sup>1</sup> CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs  
  
CCE 4402 Construction Equipment and Productivity 3 hrs  
<sup>1</sup> 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  
<sup>1</sup> CES 4100C Structural Analysis I and Lab 4 hrs

**Structural Depth 3 hrs**  
CES 4605 Steel Structures or 3 hrs  
CES 4702 Reinforced Concrete Structures 3 hrs

**Additional Area Depth Sequence**

- Geotechnical Engineering  
<sup>1</sup> CEG 4011C Geotechnical Engineering I and 4 hrs  
CEG 4012 Geotechnical Engineering II 3 hrs

or - Transportation Engineering  
TTE 3810 Highway Engineering and 3 hrs  
TTE 4274 Transportation Engineering Systems 3 hrs

<sup>1</sup> 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  
<sup>1</sup> CCE 4810C Construction Design Project 3 hrs  
CGN 4808C CECE Capstone Design 3 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

**7. Foreign Language Requirements**

**Admissions**

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

**Graduation**

■ None

**8. Electives**

■ None

**9. Additional Requirements**

■ Construction engineering students must take the Fundamentals of Engineering(FE)Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ None

**12. University Minimum Exit Requirements**

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

**Total Semester Hours Required**

■ 128

**Honors In Major**

■ None

**Related Programs**

■ Civil Engineering  
■ Environmental Engineering

**Certificates**

■ None

**Related Minors**

■ Mathematics  
■ Engineering Leadership  
■ Business

**Advising Notes**

■ Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

■ The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master's followed by the PhD.

**Transfer Notes**

■ Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

**Acceptable Substitutes for Transfer Courses**

■ None

**Plan of Study (128 hrs)**

**Freshman Year - Fall 14 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.

ENC 1101	Composition I	3 hrs
GEP		6 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr

## UCF Degree Programs

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
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

<b>Sophomore Year - Fall</b>		<b>16 hrs</b>
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

<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
MAP 2302	Differential Equations	3 hrs
EGN 3331	Mechanics of Materials	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
GEP		3 hrs

<b>Sophomore Year - Summer</b>		<b>9 hrs</b>
CCE 4003	Introduction to the Construction Industry	3 hrs
CWR 3201	Engineering Fluid Mechanics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs

<b>Junior Year - Fall</b>		<b>17 hrs</b>
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

<b>Junior Year - Spring</b>		<b>16 hrs</b>
CCE 4004	Construction Methods	3 hrs
CCE 4402	Construction Equipment and Productivity	3 hrs
CGN 3501C	Civil Engineering Materials	3 hrs
CGN 3700C	Civil Engineering Measurements	4 hrs

<b>Concrete or Steel</b>		<b>3 hrs</b>
CES 4605	Steel Structures or	3 hrs
CES 4702	Reinforced Concrete Structures	3 hrs

<b>Senior Year - Fall</b>		<b>13 hrs</b>
CCE 4810C	Construction Design Project	3 hrs
CWR 4632C	Water Resources Engineering I	4 hrs
Approved Technical Elective		3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
CEG 4011C	Geotechnical Engineering I or	4 hrs
TTE 3810	Highway Engineering	3 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
CGN 4808C	CECE Capstone Design	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
GEP		3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
■ 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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Criminal Justice (B.A. / B.S.)

### College of Health and Public Affairs

### Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311

<http://www.cohpa.ucf.edu/crim.jus/>

**E-mail: [cjadvice@mail.ucf.edu](mailto:cjadvice@mail.ucf.edu)**

Mary Ann Eastep  
407-823-2603

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.

- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.

- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.

- Students must earn a grade of C- (1.75) or better in each core course

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

**A: Communication Foundations (9 hrs)**

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

**C: Mathematical Foundations (6 hrs)**

**Select 1: (3 hrs)**

Suggested CGS 1060C Introduction to Computer Science or

Suggested STA 1060C Basic Statistics Using

Suggested STA 2014C Microsoft Excel or

Suggested STA 2014C Principles of Statistics (3 hrs)

**Select 1: (3 hrs)**

Suggested MGF 1106 Finite Mathematics or

Suggested MGF 1107 Explorations in Mathematics (3 hrs)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP)**

■ None

**3. Core Requirements: Basic Level**

■ None

**4. Core Requirements: Advanced Level (18 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

CCJ 3024 Criminal Justice System 3 hrs

CCJ 3014 Crime in America 3 hrs

CJL 3510 Prosecution and Adjudication 3 hrs

CJC 3010 Corrections and Penology 3 hrs

CJE 4014 Police and Society 3 hrs

CCJ 4701 Research Methods in Criminal Justice 3 hrs

**5. Restricted Electives (42 hrs)**

- 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

- 15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

**6. Capstone Requirements**

- None

## 7. Foreign Language Requirements

### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

## 8. Electives

■ None

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

## 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ Interested students should consult with a faculty advisor.

### Related Programs

■ Legal Studies

### Certificates

■ None

### Related Minors

■ Legal Studies

■ Public Administration

■ Psychology

### Advising Notes

■ None

### Transfer Notes

■ "D" (1.0) grades are not accepted.

### Acceptable Substitutes for Transfer Courses

■ None

### Plan of Study

#### Freshman Year - Fall

ENC 1101	Composition I	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

<b>Select 1:</b>		<b>3 hrs</b>
MGF 1106	Finite Mathematics or	3 hrs
MAC 1105C	College Algebra	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Freshman Year - Spring</b>		
ENC 1102	Composition II	3 hrs
CGS 1060C	Introduction to Computer Science	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
PSC 1121	Physical Science or	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
PHI 2010	Introduction to Philosophy or	3 hrs
MUL 2010	Enjoyment of Music	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ARH 2050	History of Western Art I or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

<b>Sophomore Year - Fall</b>		
SPC 1608	Fundamentals of Oral Communication	3 hrs
	Free Elective	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Select 1:</b>		<b>3 hrs</b>
BSC 1005	Biological Principles or	3 hrs
MCB 1310	Introduction to Biotechnology and Genetic Engineering or	3 hrs
GLY 1030	Geology and its Applications or	3 hrs
PSC 1121	Physical Science or	3 hrs
ANT 2511	The Human Species	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
POS 2041	American National Government or	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

<b>Sophomore Year - Spring</b>		
CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Supporting Elective	3 hrs

<b>Junior Year - Fall</b>		
CJL 3510	Prosecution and Adjudication	3 hrs
CJC 3010	Corrections and Penology	3 hrs
	Restricted Elective	3 hrs
	Supporting Elective	3 hrs
	CJ Elective	3 hrs

<b>Junior Year - Spring</b>		
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

<b>Senior Year - Fall</b>		
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Supporting Elective	3 hrs
	Free Elective	3 hrs
	Free Elective	3 hrs

<b>Senior Year - Spring</b>		
<sup>1</sup> Free Elective		3 hrs
<sup>1</sup> Free Elective		3 hrs
	Supporting Elective	3 hrs
	Restricted Elective or CCJ Internship	3 hrs

<sup>1</sup> If necessary

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alacademic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alacademic_learning_compacts.htm)

## Digital Media (B.A.)

### College of Arts and Humanities

### School of Visual Arts and Design, 12461 Research Parkway, 500 OTC

<http://www.svad.cah.ucf.edu>

407-823-6100

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understand-

# UCF Degree Programs

ing 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.

## Admission Requirements

- None

## Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should see the School's advisor prior to selecting this major, and at least annually thereafter.

### 1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Required ARH 2050 History of Western Art I and 3 hrs

Required ARH 2051 History of Western Art II and 3 hrs

Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required COP 2500C Concepts in Computer Science 4 hrs

<sup>1</sup> Required MAC 1105C College Algebra 3 hrs

<sup>1</sup> (May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

COP 2500C Concepts in Computer Science GEP

MAC 1105C College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)

- Admission to all courses after DIG 2000 is dependent on the student's achieving at least a 'B' (3.0) in DIG 2000.

#### Digital Media Core: Basic

DIG 2000 Introduction to Digital Media 3 hrs

DIG 2030C Digital Video Fundamentals 3 hrs

DIG 2109C Digital Imaging Fundamentals 3 hrs

DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

#### Digital Media Core: Advanced

DIG 3024 Digital Cultures & Narrative 3 hrs

DIG 3480C Computer as a Medium 3 hrs

DIG 3525 Digital Media Production I 3 hrs

DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design 42 hrs

- Admission to all courses after DIG 4713 is dependent on the student's achieving at least a "B" (3.0) in DIG 4713.

Game Design: Basic Concentration 24 hrs

COP 3223 Introduction to Programming with C and 3 hrs

COP 3330 Object Oriented Programming and 3 hrs

DIG 4630C Media Business Practices and 3 hrs

DIG 4713 Game Design and 3 hrs

DIG 4715C Game Production and 3 hrs

DIG 4720C Casual Game Production and 3 hrs

FIL 3720C Introduction to Animation and 3 hrs

GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives 18 hrs

- Complete 18 hours of credits from the following areas:
- NOTE: DIG 4725C must be taken at least two times. It is repeatable for credit.

12 Additional hrs of 3000 or 4000 level courses from ART, 12 hrs

ARH, FIL, GRA, DIG or any 3000 or 4000 level courses

approved by the school. and

DIG 4725C Game Design Workshop 6 hrs

Web Design 42 hrs

Web Design: Basic Concentration 24 hrs

DIG 3134 Media Software Design and 3 hrs

DIG 3563 Information Management and 3 hrs

Entrepreneurship and

DIG 3716C Internet Interaction and 3 hrs

GRA 3803C Intermediate Computer Graphic Design 3 hrs

and

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, 12 hrs

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, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

#### Certificates

- None

**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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.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/>

**E-mail: [ece@mail.ucf.edu](mailto:ece@mail.ucf.edu)**

Dr. Judy Levin, ED 122L, [jlevin@mail.ucf.edu](mailto:jlevin@mail.ucf.edu)  
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 and CLAS requirement (no alternatives or waivers are accepted).
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail ([ece@mail.ucf.edu](mailto:ece@mail.ucf.edu)) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See <http://www.fldoe.org> for available test dates and test sites. FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - (if CLAS was used for admission) passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-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	3 hrs

**C: Mathematical Foundations (6 hrs)**

**Select 1: (3 hrs)**

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

**Select 1: (3 hrs)**

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

**D: Social Foundations (6 hrs)**

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

**E: Science Foundations (6 hrs)**

Prefer	PSC 1121	Physical Science	3 hrs
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**Select 1: (3 hrs)**

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

**2. Common Program Prerequisites (CPP) (9 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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**

<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs
<sup>1</sup> EDF 2720	Children in Schools: Legal, Ethical and Safety Concerns	3 hrs
EEC 4731	Health, Safety, and Nutrition for Young Children	3 hrs

# UCF Degree Programs

<b>Select 1:</b>		<b>3 hrs</b>
MAC 1105C	College Algebra or	3 hrs
MAE 2801	Elementary School Mathematics	4 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ARE 2000	Early Childhood Art and Creativity or	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs

<sup>1</sup> 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 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

#### Semester II 15 hrs

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.

EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 4207	Assessment and Evaluation of Young Children	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
EEC 4268	Curriculum Activities in Early Childhood	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

#### Summer 6 hrs

■ Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
RED 3012	Basic Foundations of Reading	3 hrs

#### Semester III 12 hrs

■ Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).

■ Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

MAE 4300	Math Curriculum and Assessment in Early Childhood	3 hrs
SCE 4304	Teaching Science and Technology to Young Children	3 hrs
RED 4311	Primary Reading, Writing, and Language Arts Curriculum and Assessment	3 hrs
EEC 4235C	Early Childhood Education Seminar: Bridging Theory to Practice	3 hrs

#### Semester IV 12 hrs

■ Satisfactory completion of Internship requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

EEC 4943	Student Teaching	12 hrs
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#### 5. Restricted Electives

■ None

#### 6. Capstone Requirements

■ None

#### 7. Foreign Language Requirements

##### Admissions

■ State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

##### Graduation

■ None

#### 8. Electives

■ None

#### 9. Additional Requirements

■ None

#### 10. Required Minors

■ None

#### 11. Departmental Exit Requirements

■ Achieve a minimum overall 2.75 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Complete a TESOL notebook as required for ESOL Endorsement.

■ Pass all applicable sections of the Florida Teacher Certification Examination. See <http://www.fldoe.org> for test dates and test sites.

#### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

#### Honors In Major

■ None

#### Related Programs

■ None

#### Certificates

■ None

#### Related Minors

■ None

#### Advising Notes

■ None

#### Transfer Notes

■ None

#### Acceptable Substitutes for Transfer Courses

■ None

#### Plan of Study

■ This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

<b>Freshman Year - Fall</b>		<b>12 hrs</b>
EDF 2005	Introduction to the Teaching Profession	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

#### Freshman Year - Spring 15 hrs

EDF 2085	Introduction to Diversity for Educators	3 hrs
ENC 1102	Composition II	3 hrs
MAC 1105C	College Algebra	3 hrs
PSC 1121	Physical Science	3 hrs

#### Select 1: 3 hrs

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
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#### Select 1: 3 hrs

ARE 2000	Early Childhood Art and Creativity or	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs



<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
SPC 1608	Fundamentals of Oral Communication	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
BSC 1005	Biological Principles or	3 hrs
ANT 2511	The Human Species	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
GEP B1 Elective (Prefer AMH 2010)		3 hrs

<b>Sophomore Year - Spring</b>		<b>12 hrs</b>
<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs
<sup>1</sup> EDF 2720	Children in Schools: Legal, Ethical and Safety Concerns	3 hrs
EEC 4731	Health, Safety, and Nutrition for Young Children	3 hrs
GEP B3 Elective (Prefer AMH 2020)		3 hrs

<sup>1</sup> Courses taken at community colleges may substitute for select courses with the permission of the department.

**Sophomore Year - Summer**  
 ■ Satisfaction 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 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 sites.

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 4207	Assessment and Evaluation of Young Children	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
EEC 4268	Curriculum Activities in Early Childhood	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

**Junior Year - Summer** **6 hrs**  
 ■ Please note: It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
RED 3012	Basic Foundations of Reading	3 hrs

<b>Senior Year - Fall</b>		<b>12 hrs</b>
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

<b>Senior Year - Spring</b>		<b>12 hrs</b>
EEC 4943	Student Teaching	12 hrs

**Program Academic Learning Compacts**  
 ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeads.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm)

## 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/>

**E-mail: [ece@mail.ucf.edu](mailto:ece@mail.ucf.edu)**

Dr. Judy Levin, 122L, [jlevin@mail.ucf.edu](mailto:jlevin@mail.ucf.edu)  
 407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Meet the CLAS requirement.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of "C" (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

#### Degree Requirements

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail([ece@mail.ucf.edu](mailto:ece@mail.ucf.edu)) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

#### 1. UCF General Education Program (GEP) **(36 hrs)**

- Students are advised to take the preferred courses.

#### A: Communication Foundations **(9 hrs)**

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations **(9 hrs)**

<b>General Education Program elective from section B2:</b>			<b>3 hrs</b>
Prefer	REL 2300	World Religions or	3 hrs
Prefer	PHI 2010	Introduction to Philosophy or	3 hrs
Prefer	LIT 2110	World Literature I or	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
General Education Program elective from section B1 to meet Gordon Rule Requirement.			
General Education Program elective: Prefer a second course from GEP section B1.			3 hrs

#### C: Mathematical Foundations **(6 hrs)**

<b>Select 1:</b>			<b>3 hrs</b>
Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics	3 hrs

<b>Select 1:</b>			<b>3 hrs</b>
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

#### D: Social Foundations **(6 hrs)**

Prefer	PSY 2012	General Psychology	3 hrs
Prefer	POS 2041	American National Government	3 hrs

#### E: Science Foundations **(6 hrs)**

Prefer	PSC 1121	Physical Science	3 hrs
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**Select 1:** **3 hrs**

## UCF Degree Programs

Prefer	ANT 2511	The Human Species	or	3 hrs
Prefer	BSC 1005	Biological Principles		3 hrs

### 2. Common Program Prerequisites (CPP) (6 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2085	Introduction to Diversity for Educators	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

### 3. Core Requirements: Basic Level (18 hrs)

MUE 2211	Early Childhood Music and Movement	3 hrs
ARE 2000	Early Childhood Art and Creativity	3 hrs
SYG 2010	Social Problems	3 hrs

### Select 1: 3 hrs

EDF 2130	Child and Adolescent Development for Educators	or	3 hrs
SOW 3104	Assessing I: Human Development		3 hrs
Select two electives- Meet with advisor for guidance in selecting electives			

### 4. Core Requirements: Advanced Level (60 hrs)

■ All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

#### Semester I 15 hrs

EEC 3700	Social and Emotional Development of Young Children	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs
RED 3310	Early Reading, Writing and Language Arts	3 hrs
EEX 4751	Parent Involvement in Education	3 hrs
LIN 3716	Language Development	3 hrs

#### Semester II 15 hrs

EEC 4604	Classroom Management and Guidance of Young Children	3 hrs
EEC 4207	Assessment and Evaluation of Young Children	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
LAE 3414	Literature for Children	3 hrs
EEX 3450	Young Children With Special Needs	3 hrs

#### Summer 6 hrs

EEC 4303	Planning Creative Activities in Early Childhood Education	3 hrs
EEC 4731	Health, Safety, and Nutrition for Young Children	3 hrs

#### Semester III 12 hrs

EEC 4402	Cultural and Family Systems	3 hrs
EEC 4528	Infant/Toddler Care and Education	3 hrs
EEC 4414	Parent-Child Relations	3 hrs

### Select one Early Childhood Development Track Elective 3 hrs

■ Note: Students must consult with their advisor regarding approval for other elective options.

EEC 4268	Curriculum Activities in Early Childhood	or	3 hrs
EEC 4524	Organization and Management in Early Childhood	or	3 hrs
EXP 3604C	Cognitive Psychology	or	4 hrs
PEO 3041	Games Analysis	or	3 hrs
PET 3820	Teaching Sports Skills I	or	3 hrs
PET 4640	Adapted Physical Education	or	3 hrs
PET 4710	Methods for Physical Activity for Children and Adolescents	or	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	or	3 hrs
SOW 4650	Child Abuse: Treatment and Prevention	or	3 hrs
SOW 4654	Children's Services		3 hrs

#### Semester IV 12 hrs

EEC 4940	Practicum: Early Childhood Development	12 hrs
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### 5. Restricted Electives

■ None

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

### Admissions

■ State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ Achieve a minimum overall 2.75 GPA in all courses within the major.  
 ■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA  
 ■ 60 semester hours earned after CLEP awarded  
 ■ 48 semester hours of upper division credit completed  
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF  
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
 ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ None

### Certificates

■ None

### Related Minors

■ None

### Advising Notes

■ In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### Transfer Notes

■ Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

### Acceptable Substitutes for Transfer Courses

■ None

### Plan of Study

■ Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

### Freshman Year - Fall 12 hrs

EDF 2085	Introduction to Diversity for Educators	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
Select Elective if needed		3 hrs

### Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
SYG 2010	Social Problems	3 hrs
PSY 2012	General Psychology	3 hrs
PSC 1121	Physical Science	3 hrs

### Select 1: 3 hrs

REL 2300	World Religions	or	3 hrs
PHI 2010	Introduction to Philosophy	or	3 hrs
LIT 2110	World Literature I	or	3 hrs
LIT 2120	World Literature II		3 hrs

### Freshman Year - Summer 6 hrs

ARE 2000	Early Childhood Art and Creativity	3 hrs
MUE 2211	Early Childhood Music and Movement	3 hrs

## Sophomore Year - Fall 15 hrs

■ Transfer Note: Courses taken at community colleges may substitute for select courses with the permission of the department.  
 SPC 1608 Fundamentals of Oral Communication 3 hrs

**Select 1: 3 hrs**  
 BSC 1005 Biological Principles or 3 hrs  
 ANT 2511 The Human Species 3 hrs

**Select 1: 3 hrs**  
 STA 2014C Principles of Statistics or 3 hrs  
 STA 1060C Basic Statistics Using Microsoft Excel 3 hrs  
 GEP B1 elective (Prefer AMH 2010) 3 hrs  
 Select Elective if needed 3 hrs

## Sophomore Year - Spring 3 hrs

EDF 2130 Child and Adolescent Development for Educators 3 hrs  
 DEP 2004C Developmental Psychology 3 hrs  
 POS 2041 American National Government 3 hrs  
 GEP B3 elective 3 hrs

## Sophomore Year - Summer

■ Note: Student must meet CLAS requirement for admission to the program and thus must be completed prior to the Junior Year. Refer to <http://www.fldoe.org> for test dates and sites.

## Junior Year - Fall 15 hrs

EEC 3700 Social and Emotional Development of Young Children 3 hrs  
 EEC 4661 Early Childhood Education Theory and Practice 3 hrs  
 RED 3310 Early Reading, Writing and Language Arts 3 hrs  
 EEX 4751 Parent Involvement in Education 3 hrs  
 LIN 3716 Language Development 3 hrs

## Junior Year - Spring 15 hrs

EEC 4604 Classroom Management and Guidance of Young Children 3 hrs  
 EEC 4207 Assessment and Evaluation of Young Children 3 hrs  
 LAE 3414 Literature for Children 3 hrs  
 PET 4050C Motor Development and Learning 3 hrs  
 EEX 3450 Young Children With Special Needs 3 hrs

## Junior Year - Summer 6 hrs

EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs  
 EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

## Senior Year - Fall 12 hrs

EEC 4402 Cultural and Family Systems 3 hrs  
 EEC 4528 Infant/Toddler Care and Education 3 hrs  
 EEC 4414 Parent-Child Relations 3 hrs  
 Select Elective 3 hrs

## Senior Year - Spring 12 hrs

EEC 4940 Practicum: Early Childhood Development 12 hrs

## Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/aic/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, 407-823-4129

407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their

personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

## Admission Requirements

■ None

## Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog requirements.

■ 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)**  
<sup>1</sup> Required MAC 1140 Pre-Calculus Algebra 3 hrs  
 Required STA 2023 Statistical Methods I 3 hrs

<sup>1</sup> or Calculus

**D: Social Foundations (6 hrs)**

**Select 1: 3 hrs**  
 Suggested ECO 2013 Principles of Macroeconomics 3 hrs  
 or  
 Suggested ECO 2023 Principles of Microeconomics 3 hrs

**Select 1: 3 hrs**

Suggested ANT 2000 General Anthropology or 3 hrs  
 Suggested PSY 2012 General Psychology or 3 hrs  
 Suggested SYG 2000 Introduction to Sociology 3 hrs

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (3 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ECO 2013 Principles of Macroeconomics GEP  
 ECO 2023 Principles of Microeconomics 3 hrs

### 3. Core Requirements: Basic Level

■ None

**4. Core Requirements: Advanced Level (16 hrs)**

ECO 3101 Intermediate Microeconomics 3 hrs  
 ECO 3203 Intermediate Macroeconomics 3 hrs  
 ECO 4451 Research Methods in Economics 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 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 (18 hrs)**

■ All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following

ECO 3223 Money and Banking 3 hrs  
 ECO 3410 Mathematical Economics 3 hrs



# UCF Degree Programs

ECO 3703	International Microeconomics	3 hrs
ECO 3704	Global Economic Policy	3 hrs
ECO 4303	History of Economic Thought	3 hrs
ECO 4412	Econometrics	3 hrs
ECO 4504	Public Economics	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECO 4751	Law and Economics	3 hrs
ECP 3203	Labor Economics	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECS 4013	Development Economics	3 hrs

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended

ECO 3410	Mathematical Economics	3 hrs
ECO 3703	International Microeconomics	3 hrs
ECO 4412	Econometrics	3 hrs
ECO 4504	Public Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement

## 8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements

- None

## 10. Required Minors

■ Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.

## 11. Departmental Exit Requirements

■ Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.

■ Computer Competency met by Research Methods course.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Economics, Business

## Certificates

- None

## Related Minors

- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

## Advising Notes

- None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

### Freshman Year - Fall 15 hrs

Free Elective	3 hrs	
ENC 1101	Composition I	3 hrs
<sup>1</sup> MAC 1140	Pre-Calculus Algebra	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

<sup>1</sup> (or Calculus)

### Freshman Year - Spring 15 hrs

<sup>1</sup> ECO 2023	Principles of Microeconomics	3 hrs
<sup>1</sup> ENC 1102	Composition II	3 hrs
<sup>1</sup> STA 2023	Statistical Methods I	3 hrs

<sup>1</sup> "C" (2.0) or better grade required in each class

### Sophomore Year - Fall 15 hrs

<sup>1</sup> ECO 2013	Principles of Macroeconomics	3 hrs
<sup>2</sup> ECO 3401	Quantitative Business Tools I	3 hrs
Foreign Language		3 hrs

<sup>1</sup> "C" (2.0) or better grade required in each class  
<sup>2</sup> (if no prior Calculus)

### Sophomore Year - Spring 15 hrs

Foreign Language	3 hrs	
Free Elective	3 hrs	
Free Elective	3 hrs	
ECO 3101	Intermediate Microeconomics	3 hrs

### Junior Year - Fall 15 hrs

ECO Elective	3 hrs	
<sup>1</sup> Elective / Minor	3 hrs	
Free Elective	3 hrs	
ECO 3203	Intermediate Macroeconomics	3 hrs
<sup>2</sup> ECO 3411	Quantitative Business Tools II	4 hrs

<sup>1</sup> 18 hours (minimum) of minor required.

<sup>2</sup> (or STA 4163 or STA4321)

### Junior Year - Spring 15 hrs

ECO Elective	3 hrs
ECO Elective	3 hrs
<sup>1</sup> Elective / Minor	3 hrs
<sup>1</sup> Elective / Minor	3 hrs
Free Elective	3 hrs

<sup>1</sup> 18 hours (minimum) of minor required.

### Senior Year - Fall 15 hrs

ECO Elective	3 hrs
ECO Elective	3 hrs
ECO Elective	3 hrs
<sup>1</sup> Elective / Minor	3 hrs
<sup>1</sup> Elective / Minor	3 hrs

<sup>1</sup> 18 hours (minimum) of minor required.

### Senior Year - Spring 15 hrs

<sup>1</sup> Elective / Minor	3 hrs	
Free Elective	3 hrs	
Free Elective	3 hrs	
Free Elective	3 hrs	
ECO 4451	Research Methods in Economics	3 hrs

<sup>1</sup> 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.oaas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

**Economics, Business (B.S.B.A.)**

**College of Business Administration**

**Department of Economics, Business Administration II,**

**Room: 305**

<http://www.bus.ucf.edu/economics>

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405

David Scrogin, BA2 302U, 407-823-4129

Nora Underwood, BA2 302N, 407-823-1403

407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

**Admission Requirements**

- See Common Program Prerequisites
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

**Degree Requirements**

- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs
Required	MAC 1140	Pre-Calculus Algebra	3 hrs

**D: Social Foundations (6 hrs)**

**Select 1: (3 hrs)**

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Suggested	ECO 2023	Principles of Microeconomics	3 hrs

**Select 1: (3 hrs)**

Suggested	ANT 2000	General Anthropology or	3 hrs
Suggested	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) (21 hrs)**

- Must be completed with a "C" (2.0) or better.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

**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
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or

<sup>1</sup> MAC 2233	Concepts of Calculus and	3 hrs
STA 2023	Statistical Methods I	3 hrs

<sup>1</sup> or any Calculus 1 & 2 sequence

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (32 hrs)**

BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> Must be taken in 1st or 2nd semester.

**Required Major Courses (9 hrs)**

ECO 3101	Intermediate Microeconomics	3 hrs
ECO 3203	Intermediate Macroeconomics	3 hrs
ECO 4451	Research Methods in Economics	3 hrs

**5. Restricted Electives (15 hrs)**

- All B.S.B.A. economics majors will be required to take five (5) electives by choosing from the following:

ECO 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 4751	Law and Economics	3 hrs
ECP 3203	Labor Economics	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECS 4013	Development Economics	3 hrs

**For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended**

ECO 3410	Mathematical Economics	3 hrs
ECO 3703	International Microeconomics	3 hrs
ECO 4412	Econometrics	3 hrs
ECO 4504	Public Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs

**6. Capstone Requirements (4 hrs)**

MAN 4720	Strategic Management	4 hrs
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- This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

**7. Foreign Language Requirements**

**Admissions**

- Two years of 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 and CLAS requirements, prior to admission to this degree.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program pre-requisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.

## UCF Degree Programs

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ None

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ Economics

### 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

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
<sup>1</sup> ENC 1101	Composition I 3 hrs
SPC 1608	Fundamentals of Oral Communication 3 hrs
<sup>2</sup> MAC 1140	Pre-Calculus Algebra 3 hrs

<sup>1</sup> "C" (2.0) or better grade required in each class

<sup>2</sup> (or Calculus). "C" (2.0) or better grade required in each class

**Freshman Year - Spring** **15 hrs**

<sup>1</sup> ECO 2023	Principles of Microeconomics 3 hrs
<sup>1</sup> ENC 1102	Composition II 3 hrs
<sup>1</sup> CGS 2100C	Computer Fundamentals for Business 3 hrs

<sup>1</sup> "C" (2.0) or better grade required in each class

**Sophomore Year - Fall** **15 hrs**

<sup>1</sup> ECO 2013	Principles of Macroeconomics 3 hrs
<sup>2</sup> ECO 3401	Quantitative Business Tools I 3 hrs

<sup>1</sup> "C" (2.0) or better grade required in each class

<sup>2</sup> (if no Calculus & Statistics) "C" (2.0) or better grade required in each class

**Sophomore Year - Spring** **15 hrs**

ECO 3101	Intermediate Microeconomics 3 hrs
<sup>1</sup> ACG 2071	Principles of Managerial Accounting 3 hrs

<sup>1</sup> "C" (2.0) or better grade required in each class

**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 3031	Cornerstone: Professional Skills for Business 3 hrs

**Junior Year - Spring** **15 hrs**

GEB 3375	Introduction to International Business 4 hrs
MAN 3025	Management of Organizations 4 hrs

**Senior Year - Spring** **14 hrs**

ECO 4451	Research Methods in Economics 3 hrs
MAN 4720	Strategic Management 4 hrs
BUL 3130	Legal and Ethical Environment of Business 4 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Electrical Engineering (B.S.E.E.)

### College of Engineering and Computer Science

### Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

<http://www.eecs.ucf.edu>

**E-mail: [undergraduate@eecs.ucf.edu](mailto:undergraduate@eecs.ucf.edu)**

Dr. Samuel Richie

Charlese Hilton-Brown

407-823-3327

### Admission Requirements

■ None

### Degree Requirements

■ None

**1. UCF General Education Program (GEP) (38 hrs)**

■ The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations (9 hrs)**

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
Suggested SPC 1603 Fundamentals of Technical Presentations <b>or</b>	3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication	3 hrs

<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

<b>C: Mathematical Foundations</b>	<b>(7 hrs)</b>
Required MAC 2311 Calculus with Analytic Geometry I	4 hrs
Required STA 3032 Probability and Statistics for Engineers	3 hrs

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>Select 1:</b>	<b>3 hrs</b>
Prefer ECO 2013 Principles of Macroeconomics <b>or</b>	3 hrs
Prefer ECO 2023 Principles of Microeconomics	3 hrs
Select one class from Social Foundations	3 hrs

<b>E: Science Foundations</b>	<b>(7 hrs)</b>
Required PHY 2048C Physics for Engineers & Scientists I	4 hrs
Select one course from Science Foundations	3 hrs

**2. Common Program Prerequisites (CPP) (19 hrs)**  
 ■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

<sup>1</sup> MAC 2311 Calculus with Analytic Geometry I	GEP
<sup>1</sup> MAC 2312 Calculus with Analytic Geometry II	4 hrs
<sup>1</sup> MAC 2313 Calculus with Analytic Geometry III	4 hrs
<sup>1</sup> PHY 2048C Physics for Engineers & Scientists I	GEP
<sup>1</sup> PHY 2049C Physics for Engineers and Scientists II	4 hrs
<sup>1</sup> MAP 2302 Differential Equations	3 hrs

<b>Select 1:</b>	<b>4 hrs</b>
<sup>2</sup> CHS 1440 Fundamentals of Chemistry for Engineers <b>or</b>	4 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.  
<sup>2</sup> Preferred

**3. Core Requirements: Basic Level (2 hrs)**  
 ■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGN 1006C Introduction to the Engineering Profession	1 hr
EGN 1007C Engineering Concepts and Methods	1 hr

<b>4. Core Requirements: Advanced Level (53 hrs)</b>	<b>(53 hrs)</b>
<b>Courses Required for the Engineering Core</b>	<b>12 hrs</b>
EGN 3310 Engineering Analysis-Statics	3 hrs
EGN 3420 Engineering Analysis	3 hrs
STA 3032 Probability and Statistics for Engineers	GEP
PHY 3101 Physics for Engineers and Scientists III	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
EGN 3321 Engineering Analysis-Dynamics <b>or</b>	3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer	3 hrs

<b>Courses Required for the Major</b>	<b>41 hrs</b>
EEL 3004 Electrical Networks	3 hrs
EEL 3123C Networks and Systems	4 hrs
EEE 3350 Semiconductor Devices I	3 hrs
EEE 3307C Electronics I	4 hrs
EEE 3342C Digital Systems	3 hrs
EEL 3470 Electromagnetic Fields	3 hrs
EEL 3552C Analog and Digital Communication Fundamentals	4 hrs
EEL 3657 Linear Control Systems	3 hrs
EEL 3801C Computer Organization	3 hrs
EEE 4309C Electronics II	4 hrs
EEL 4750 Digital Signal Processing Fundamentals	3 hrs
EEL 4742C Embedded Systems	4 hrs

**5. Restricted Electives (10 hrs)**  
 ■ Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as micro-electronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

**Technical Electives (10 hrs)**  
 ■ Technical elective courses are to be selected by the student from department approved courses.

**6. Capstone Requirements (6 hrs)**  
 ■ EEL 4914 and EEL 4915L

**7. Foreign Language Requirements**

**Admissions**  
 ■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

■ None

**8. Electives**

■ None

**9. Additional Requirements**

■ Electrical engineering students must earn at least 32 hours in residence at UCF.

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 128

**Honors In Major**

■ None

**Related Programs**

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

**Certificates**

■ None

**Related Minors**

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

**Advising Notes**

- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

**Transfer Notes**

■ Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

## UCF Degree Programs

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

#### Freshman Year - Fall 14 hrs

EGN 1006C	Introduction to the Engineering Profession	1 hr
MAC 2311	Calculus with Analytic Geometry I	4 hrs
SPC 1603	Fundamentals of Technical Presentations	3 hrs
GEP- Historical Foundation		3 hrs
GEP- Science Foundation		3 hrs

#### Freshman Year - Spring 15 hrs

EGN 1007C	Engineering Concepts and Methods	1 hr
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
ENC 1101	Composition I	3 hrs
COP 3223	Introduction to Programming with C	3 hrs

#### Sophomore Year - Fall 17 hrs

ENC 1102	Composition II	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs

#### Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

#### Sophomore Year - Spring 15 hrs

PHY 3101	Physics for Engineers and Scientists III	3 hrs
EEL 3004	Electrical Networks	3 hrs
MAP 2302	Differential Equations	3 hrs
EEL 3801C	Computer Organization	3 hrs
GEP- Cultural Foundation		3 hrs

#### Sophomore Year - Summer 10 hrs

EEE 3342C	Digital Systems	3 hrs
EEL 3123C	Networks and Systems	4 hrs
GEP- Social Foundation		3 hrs

#### Junior Year - Fall 14 hrs

EEE 3350	Semiconductor Devices I	3 hrs
EEL 4742C	Embedded Systems	4 hrs
EEL 3552C	Analog and Digital Communication Fundamentals	4 hrs

#### Select 1: 3 hrs

EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

#### Junior Year - Spring 17 hrs

EEE 3307C	Electronics I	4 hrs
EEL 3657	Linear Control Systems	3 hrs
CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
EGN 3420	Engineering Analysis	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

#### Senior Year - Fall 16 hrs

EEL 4750	Digital Signal Processing Fundamentals	3 hrs
EEL 3470	Electromagnetic Fields	3 hrs
EEL 4914	Senior Design I	3 hrs
Approved Technical Elective		4 hrs
GEP-Historical Foundation		3 hrs

#### Senior Year - Spring 13 hrs

EEL 4915L	Senior Design II	3 hrs
EEE 4309C	Electronics II	4 hrs
Approved Technical Elective		3 hrs
Approved Technical Elective		3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alca/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Elementary Education (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, ED, Room: 209

<http://education.ucf.edu/eledmed/>

Dr. Karri Williams, [kjwilliams@mail.ucf.edu](mailto:kjwilliams@mail.ucf.edu)

Dr. Robert Everett, ED 122M, [everett@mail.ucf.edu](mailto:everett@mail.ucf.edu), 407-823-5788

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

### Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

#### Select 1: 3 hrs

Prefer	ARH 2050	History of Western Art I or	3 hrs
Prefer	ARH 2051	History of Western Art II or	3 hrs
Prefer	MUL 2010	Enjoyment of Music	3 hrs

#### C: Mathematical Foundations (6 hrs)

##### Select 1: 3 hrs

Suggested	MAC 1105C	College Algebra or	3 hrs
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

#### Select 1: 3 hrs

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

#### D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

#### E: Science Foundations (6 hrs)

Prefer	PSC 1121	Physical Science	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

#### 2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.



**3. Core Requirements: Basic Level (15 hrs)**

**Other Program Requirements 8 hrs**

<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs
<sup>2</sup> MAE 2801	Elementary School Mathematics	4 hrs
<sup>1</sup> PET 2081	Wellness, Children and Schools	1 hr

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.  
<sup>2</sup> 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 1121L)\* A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

**4. Core Requirements: Advanced Level (60 hrs)**

■ The following recommended sequence of required upper division courses may vary at regional campus locations.

**Semester I 15 hrs**

<sup>1</sup> EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
LAE 3414	Literature for Children	3 hrs
<sup>1</sup> RED 3012	Basic Foundations of Reading	3 hrs
<sup>1</sup> TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<sup>1</sup> 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
<sup>1</sup> RED 4519	Diagnostic and Corrective Reading Strategies	3 hrs
EEX 4070	Teaching Exceptional Students	3 hrs

<sup>1</sup> 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: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>. Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

RED 4942	Practicum for Assessment and Instruction of Reading	3 hrs
MAE 4326	How Children Learn Mathematics	3 hrs
<sup>1</sup> EDE 3942	Internship I	3 hrs
EDE 4223	Integrated Arts and Movement in the Elementary School	3 hrs

<sup>1</sup> RED 4942, MAE 4326, and EDE 4943 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

**Semester IV (Internship II) 12 hrs**

■ Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

EDE 4943 Internship II (Elementary) 12 hrs

**5. Restricted Electives**

■ None

**6. Capstone Requirements**

■ None

**7. Foreign Language Requirements**

**Admissions**

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

■ None

**8. Electives**

■ None

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ Achieve a minimum overall 2.5 GPA within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Complete a TESOL notebook as required for ESOL Endorsement.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

■ None

**Related Programs**

■ None

**Certificates**

■ None

**Related Minors**

■ None

**Advising Notes**

■ None

**Transfer Notes**

■ None

**Acceptable Substitutes for Transfer Courses**

■ None

## UCF Degree Programs

### Plan of Study

■ This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

<b>Freshman Year - Fall</b>		<b>12 hrs</b>
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

<b>Freshman Year - Spring</b>		<b>13 hrs</b>
<sup>1</sup> 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

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Freshman Year - Summer</b>		<b>6 hrs</b>
MGF 1106	Finite Mathematics	3 hrs
POS 2041	American National Government	3 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
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

<b>Sophomore Year - Spring</b>		<b>14 hrs</b>
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
<sup>1</sup> PET 2081	Wellness, Children and Schools	1 hr

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Junior Year - Fall</b>		<b>15 hrs</b>
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
LAE 3414	Literature for Children	3 hrs
RED 3012	Basic Foundations of Reading	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
RED 4519	Diagnostic and Corrective Reading Strategies	3 hrs
SCE 3310	Teaching Science in Elementary School	3 hrs
SSE 3312	Teaching Social Science in the Elementary School	3 hrs
LAE 4314	Language Arts in the Elementary School	3 hrs
EEX 4070	Teaching Exceptional Students	3 hrs

<b>Junior Year - Summer</b>		<b>6 hrs</b>
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs

<b>Senior Year - Fall</b>		<b>12 hrs</b>
MAE 4326	How Children Learn Mathematics	3 hrs
RED 4942	Practicum for Assessment and Instruction of Reading	3 hrs
EDE 3942	Internship I	3 hrs
EDE 4223	Integrated Arts and Movement in the Elementary School	3 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
EDE 4943	Internship II (Elementary)	12 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## English - Creative Writing (B.A.)

### College of Arts and Humanities

**Department of English, Colbourn Hall, Room: 405**

**<http://english.cah.ucf.edu>**

**E-mail: [english@mail.ucf.edu](mailto:english@mail.ucf.edu)**

Dr. Patrick Murphy

407-823-5596

### Admission Requirements

■ none

### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog

■ Students must earn at least a "C" (2.0) in each required course

■ Co-op or internship credit cannot be used in the major without prior approval from the department

■ Students should consult with a departmental advisor

■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations

Prefer	LIT 2110	World Literature I	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
Select one class from 1.B.1 list			3 hrs

#### C: Mathematical Foundations

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
<sup>1</sup>	MGF 1106	Finite Mathematics	3 hrs
Suggested			

<sup>1</sup> May substitute a higher level math.

#### D: Social Foundations

#### E: Science Foundations

<b>2. Common Program Prerequisites (CPP) (6 hrs)</b>	
<sup>1</sup> ENC 1101	Composition I GEP
ENC 1102	Composition II GEP

<sup>1</sup> 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
<sup>1</sup> ENG 3014	Theories and Techniques of Literature Study	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

<sup>1</sup> 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.

<b>Select 1:</b>		<b>3 hrs</b>
AML 3031	American Literature I or	3 hrs
AML 3613	Narratives of Slavery or	3 hrs
AML 4304	Whitman and His Heirs or	3 hrs
ENL 2012	English Literature I or	3 hrs
ENL 4220	English Renaissance Poetry and Prose or	3 hrs
ENL 4230	18th Century Studies or	3 hrs
ENL 4240	English Romantic Writers or	3 hrs
ENL 4311	Chaucer or	3 hrs
ENL 4333	Shakespeare Studies or	3 hrs
ENL 4341	Milton and His Age or	3 hrs

AML 3286	Early American Women's Words or	3 hrs
AML 3640	Native American Literature or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
ENL 3296	Gothic Literature	3 hrs

Select at least one of these post-1865 literature courses.

Select 1: 3 hrs

- Each semester, additional courses may satisfy this requirement.

Check with advisor for details.

AML 3041	American Literature II or	3 hrs
AML 3283	Contemporary American Women's Fiction or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
AML 3643	Contemporary Native American Prose and Poetry or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4153	American Poetry at Mid-Century or	3 hrs
AML 4155	Modern American Poetry or	3 hrs
AML 4261	Literature of the South or	3 hrs
AML 4265	Florida Writers or	3 hrs
AML 4321	Modern American Literature or	3 hrs
AML 4630	Latino/Latina Literature or	3 hrs
ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4253	The Victorian Age: Poetry or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
LIT 3082	Continental European Fiction Since 1900 or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
LIT 4043	Modern Drama As Literature or	3 hrs
LIT 4184	Irish Literature or	3 hrs
LIT 4303	Post-World War II Fiction or	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs

**5. Restricted Electives (15 hrs)**

- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs

CRW 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

CRW 4122	Advanced Fiction Writing Workshop or	3 hrs
<sup>1</sup> CRW 4224	Advanced Nonfiction Workshop or	3 hrs
CRW 4320	Advanced Poetry Writing Workshop or	3 hrs
CRW 4616	Advanced Scriptwriting Workshop	3 hrs

<sup>1</sup> May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

c. Choose one of the following: 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
CRW 4722	Editing for Creative Writers or	3 hrs
	any other CRW elective or Special Topics 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 foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

**8. Electives**

- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

**9. Additional Requirements**

- None

**10. Required Minors**

- Journalism Studies

**11. Departmental Exit Requirements**

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of CRW 3013

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major (9 hrs)**

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

**Related Programs**

- English - Technical Communication
- English - Literature

**Certificates**

- None

**Related Minors**

- Linguistics
- English - Technical Communication
- Writing and Rhetoric

**Advising Notes**

- None

**Transfer Notes**

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall 15 hrs**

ENC 1101	Composition I	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
POS 2041	American National Government	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

**Freshman Year - Spring**

ENC 1102	Composition II	3 hrs
CHM 1020	Concepts in Chemistry	3 hrs
LIT 2110	World Literature I	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

**Sophomore Year - Fall 15 hrs**

LIT 2120	World Literature II	3 hrs
PSY 2012	General Psychology	3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

<sup>1</sup> Restricted Elective		3 hrs
BSC 1005	Biological Principles	3 hrs

# UCF Degree Programs

<sup>1</sup> Check restrictions

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
CRW 3013 Creative Writing for English Majors	3 hrs
AML 3031 American Literature I	3 hrs
ENL 2012 English Literature I	3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I	3 hrs
CRW 3053 Theory & Practice of Creative Writing	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
ENG 3014 Theories and Techniques of Literature Study	3 hrs
AML 3041 American Literature II	3 hrs
CRW 3211 Creative Nonfiction Writing	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
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

<b>Senior Year - Fall</b>	<b>12 hrs</b>
LIN 4105 History of the English Language	3 hrs
CRW 4122 Advanced Fiction Writing Workshop	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Senior Year - Spring</b>	<b>12 hrs</b>
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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## English - Literature (B.A.)

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.cah.ucf.edu>

E-mail: [english@mail.ucf.edu](mailto:english@mail.ucf.edu)

Dr. Patrick Murphy

407-823-5596

### Admission Requirements

■ None

### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must earn at least a "C" (2.0) in each required course.

■ Co-op or internship credit is not accepted in the major.

■ Students should consult with a departmental advisor.

■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

#### A: Communication Foundations

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations

Prefer	LIT 2110	World Literature I	3 hrs
Prefer	LIT 2120	World Literature II	3 hrs
Select on class from 1.B.1 list			3 hrs

#### C: Mathematical Foundations

<sup>1</sup> Required	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> May substitute a higher level math.

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

#### 2. Common Program Prerequisites (CPP)

<sup>1</sup> ENC 1101	Composition I	GEP
<sup>1</sup> ENC 1102	Composition II	GEP

<sup>1</sup> See transfer notes for possible substitutions.

#### 3. Core Requirements: Basic Level (6 hrs)

<sup>1</sup> ENG 3014	Theories and Techniques of Literature Study	3 hrs
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#### 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

<sup>1</sup> 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
ENL 4230	18th Century Studies or	3 hrs
ENL 4240	English Romantic Writers or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
AML 3286	Early American Women's Words or	3 hrs
AML 3640	Native American Literature or	3 hrs
ENL 3296	Gothic Literature	3 hrs

#### Select at least two post-1865 literature courses 6 hrs

■ Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

#### Select 2: 6 hrs

AML 3041	American Literature II or	3 hrs
AML 3283	Contemporary American Women's Fiction or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
AML 3643	Contemporary Native American Prose and Poetry or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4153	American Poetry at Mid-Century or	3 hrs
AML 4155	Modern American Poetry or	3 hrs
AML 4261	Literature of the South or	3 hrs
AML 4265	Florida Writers or	3 hrs
AML 4321	Modern American Literature or	3 hrs
AML 4630	Latino/Latina Literature or	3 hrs
ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4253	The Victorian Age: Poetry or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
LIT 3082	Continental European Fiction Since 1900 or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
LIT 4043	Modern Drama As Literature or	3 hrs
LIT 4184	Irish Literature or	3 hrs
LIT 4303	Post-World War II Fiction or	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs

#### 5. Restricted Electives (15 hrs)

■ Upper Division Requirements

#### Choose one single author or major author course: 3 hrs

<b>Select 1: 3 hrs</b>		
AML 4300	Major American Authors or	3 hrs
ENL 4311	Chaucer or	3 hrs
ENL 4341	Milton and His Age or	3 hrs

ENL 4333	Shakespeare Studies or	3 hrs
ENL 4303	British Authors or	3 hrs
LIT 4244	World Authors	3 hrs

Choose one linguistics or theory course: 3 hrs

Select 1:		3 hrs
ENG 3010	Practical Criticism or	3 hrs
LIN 3010	Principles of Linguistics or	3 hrs
LIN 4105	History of the English Language or	3 hrs
LIN 4643	Cross Cultural Communication or	3 hrs
LIN 4660	Linguistics and Literature or	3 hrs
LIN 4680	Modern English Grammar or	3 hrs
LIT 4554	Advanced Feminist Theories	3 hrs

Three additional upper level courses 9 hrs

- AML, ENL, or LIT prefix

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- 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.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Creative Writing
- English - Technical Communication

Certificates

- None

Related Minors

- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

<b>Freshman Year - Fall</b>		<b>15 hrs</b>
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

<b>Freshman Year - Spring</b>		<b>16 hrs</b>
CHM 1020	Concepts in Chemistry	3 hrs
ENC 1102	Composition II	3 hrs
LIT 2110	World Literature I	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
<sup>1</sup> SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs

<sup>1</sup> Any language course at this level is acceptable.

<b>Sophomore Year - Fall</b>		<b>16 hrs</b>
BSC 1005	Biological Principles	3 hrs
LIT 2120	World Literature II	3 hrs
PSY 2012	General Psychology	3 hrs
Restricted Elective		3 hrs
<sup>1</sup> SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

<sup>1</sup> Any language course at this level is acceptable.

<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
ENG 3014	Theories and Techniques of Literature Study	3 hrs
AML 3031	American Literature I	3 hrs
AML 3041	American Literature II	3 hrs
Restricted Elective		3 hrs
<sup>1</sup> SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs

<sup>1</sup> Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

<b>Junior Year - Fall</b>		<b>15 hrs</b>
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

<b>Junior Year - Spring</b>		<b>15 hrs</b>
ENL 2012	English Literature I	3 hrs
AML 4261	Literature of the South	3 hrs
ENL 4333	Shakespeare Studies	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

<b>Senior Year - Fall</b>		<b>15 hrs</b>
AML 4101	American Novel	3 hrs
ENL 4253	The Victorian Age: Poetry	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

<b>Senior Year - Spring</b>		<b>13 hrs</b>
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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

# UCF Degree Programs

## English - Technical Communication (B.A.)

### College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.cah.ucf.edu>

E-mail: [english@mail.ucf.edu](mailto:english@mail.ucf.edu)

Dr. Patrick Murphy

407-823-5596

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)

##### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

##### B: Cultural & Historical Foundations (9 hrs)

##### C: Mathematical Foundations (6 hrs)

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (May substitute a higher level math course)

##### D: Social Foundations (6 hrs)

##### E: Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

ENC 1101	Composition I	GEP
ENC 1102	Composition II	GEP

#### 3. Core Requirements: Basic Level (6 hrs)

<b>Select 1:</b>	<b>3 hrs</b>
ENC 3241	Writing for the Technical Professional 3 hrs

#### **Select 1:** (3 hrs)

CRW 3013	Creative Writing for English Majors or Theories and Techniques of Literature Study or	3 hrs
ENG 3014	Theories and Techniques of Literature Study or	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

#### 4. Core Requirements: Advanced Level (15 hrs)

ENC 4280	Technical Writing Style	3 hrs
ENC 4293	Documentation and the Collaborative Process	3 hrs
ENC 4294	Documentation and Client-Based Collaboration	3 hrs
LIT 4433	Literature of Science and Technology	3 hrs

#### **Select 1:** (3 hrs)

ENC 4215	Technical Publication and Project Management or	3 hrs
ENC 4218	The Visual in Technical Documentation	3 hrs

#### Literary History Requirement (9 hrs)

- Choose three courses from these two groupings

##### Select at least one of these pre-1865 literature courses

AML 3031	American Literature I or	3 hrs
AML 3613	Narratives of Slavery or	3 hrs
AML 4304	Whitman and His Heirs or	3 hrs
ENL 2012	English Literature I or	3 hrs
ENL 4220	English Renaissance Poetry and Prose or	3 hrs
ENL 4230	18th Century Studies or	3 hrs

ENL 4240	English Romantic Writers or	3 hrs
ENL 4311	Chaucer or	3 hrs
ENL 4333	Shakespeare Studies or	3 hrs
ENL 4341	Milton and His Age or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
AML 3286	Early American Women's Words or	3 hrs
AML 3640	Native American Literature or	3 hrs
ENL 3296	Gothic Literature	3 hrs

#### Select at least one of these post 1865 literature courses

AML 3041	American Literature II or	3 hrs
AML 3283	Contemporary American Women's Fiction or	3 hrs
AML 3614	Topics in African-American Literature or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
AML 4101	American Novel or	3 hrs
AML 4153	American Poetry at Mid-Century or	3 hrs
AML 4155	Modern American Poetry or	3 hrs
AML 4261	Literature of the South or	3 hrs
AML 4265	Florida Writers or	3 hrs
AML 4321	Modern American Literature or	3 hrs
AML 4630	Latino/Latina Literature or	3 hrs
ENL 2022	English Literature II or	3 hrs
ENL 4101	English Novel or	3 hrs
ENL 4253	The Victorian Age: Poetry or	3 hrs
ENL 4262	Nineteenth Century British Prose or	3 hrs
ENL 4273	Modern British Literature or	3 hrs
LIT 3082	Continental European Fiction Since 1900 or	3 hrs
LIT 3192	Caribbean Literature or	3 hrs
LIT 4043	Modern Drama As Literature or	3 hrs
LIT 4184	Irish Literature or	3 hrs
LIT 4303	Post-World War II Fiction or	3 hrs
AML 3643	Contemporary Native American Prose and Poetry or	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs

#### 5. Restricted Electives (3 hrs)

##### Select 1: (3 hrs)

ENC 3311	Advanced Expository Writing or	3 hrs
ENC 4262	International Technical Communication or	3 hrs
ENC 4265	Writing for the Computer Industry or	3 hrs
ENC 4290	Usability Testing for Technical Communication or	3 hrs
ENC 4414	Writing and Hypertext	3 hrs

##### Optional course:

ENC 4941	Internship	1 hr
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#### 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 after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following:
 

ENC 4293	Documentation and the Collaborative Process	3 hrs
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## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

### Related Programs

- English - Creative Writing
- English - Literature

### Certificates

- None

### Related Minors

- English - Creative Writing
- English - Literature
- English - Linguistics
- Writing and Rhetoric

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

### Plan of Study

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## English Language Arts Education (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership,

### Education Building, Room: 209

<http://education.ucf.edu/englished/>

**E-mail: [jkaplan@mail.ucf.edu](mailto:jkaplan@mail.ucf.edu)**

Dr. Jeff Kaplan, ED 122B

407-823-2041

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

## Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. 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
Required	LIT 2110	World Literature I	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

#### C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs
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#### Select 1: (3 hrs)

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel <b>or</b>	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
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#### Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species <b>or</b>	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
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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)

<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs
LIT 2110	World Literature I	GEP
LIT 2120	World Literature II	3 hrs
ENL 2012	English Literature I	3 hrs
ENL 2022	English Literature II	3 hrs

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 4. Core Requirements: Advanced Level (63 hrs)

#### Education Core Requirements (21 hrs)

<sup>1</sup> EDG 4410	Teaching Strategies and Classroom Management	3 hrs
<sup>1</sup> EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
<sup>1</sup> TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs

<sup>1</sup> Prerequisite for Internship I.

# UCF Degree Programs

<b>Specialization Requirements</b>		<b>21 hrs</b>
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

<b>Select 1:</b>		<b>3 hrs</b>
ENC 3311	Advanced Expository Writing or	3 hrs
LIN 4105	History of the English Language	3 hrs
Upper Division Elective with EDF, EDG, LAE, or RED prefix		3 hrs

**Internship I Block** **9 hrs**  
 ■ Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clincalexp/>

LAE 4360	English Instructional Analysis	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs
LAE 3940	Internship	3 hrs

**Internship II** **12 hrs**  
 ■ All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clincalexp/>.

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

■ Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

LAE 4941	Internship	12 hrs
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## 5. Restricted Electives

- None

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

- None

## 8. Electives

- None

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- None

## Certificates

- None

## Related Minors

- None

## Advising Notes

- Consult with your Education advisor and review your degree audit for more recent information.

## Transfer Notes

- None

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

<b>Freshman Year - Fall</b>		<b>12 hrs</b>
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

<b>Freshman Year - Spring</b>		<b>12 hrs</b>
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

<b>Freshman Year - Summer</b>		<b>6 hrs</b>
LIT 2110	World Literature I	3 hrs
EDF 2130	Child and Adolescent Development for Educators	3 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
EDF 2005	Introduction to the Teaching Profession	3 hrs
LIT 2120	World Literature II	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<b>Sophomore Year - Spring</b>		<b>12 hrs</b>
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

<b>Sophomore Year - Summer</b>		<b>6 hrs</b>
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
ENL 2022	English Literature II	3 hrs



<b>Junior Year - Fall</b>	<b>15 hrs</b>
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

<b>Junior Year - Spring</b>	<b>15 hrs</b>
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

<b>Select 1:</b>	<b>3 hrs</b>
ENC 3311 Advanced Expository Writing or	3 hrs
LIN 4105 History of the English Language	3 hrs
Upper Division Elective w/ RED, LAE, EDG, or EDF prefix	3 hrs

<b>Junior Year - Summer</b>	<b>3 hrs</b>
ENG 3014 Theories and Techniques of Literature Study	3 hrs

<b>Senior Year - Fall</b>	<b>12 hrs</b>
LAE 4360 English Instructional Analysis	3 hrs
LAE 4342 Programs in Teaching Language and Composition	3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings	3 hrs
LAE 3940 Internship	3 hrs

<b>Senior Year - Spring</b>	<b>12 hrs</b>
LAE 4941 Internship	12 hrs

**Program Academic Learning Compacts**

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeas.ucf.edu/alcl/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcl/academic_learning_compacts.htm)

**Environmental Engineering (B.S.Env.E.)  
 College of Engineering and Computer Science  
 Department of Civil, Environmental, and Construction  
 Engineering, Engineering II, Room: 211**

<http://www.cece.ucf.edu>

Carol Ann Pohl, carol.pohl@ucf.edu  
 Dr. Andrew Randall, andrew.randall@ucf.edu  
 407-823-2841

**Admission Requirements**

■ None

**Degree Requirements (128 hrs)**

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

■ A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

**1. UCF General Education Program (GEP) (38 hrs)**

■ The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations (9 hrs)**

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Suggested	SPC 1603	Fundamentals of Technical Presentations	3 hrs

<b>B: Cultural &amp; Historical Foundations (9 hrs)</b>	
Select two courses from Historical Foundations	6 hrs
Select one class from Cultural Foundations	3 hrs

<b>C: Mathematical Foundations (7 hrs)</b>			
Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

<b>D: Social Foundations (6 hrs)</b>	
Select one class from Social Foundations Group 1	3 hrs
Select one class from Social Foundations Group 2	3 hrs

<b>E: Science Foundations (7 hrs)</b>			
Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
Prefer	GEO 1200	Physical Geography	3 hrs

**2. Common Program Prerequisites (CPP) (19 hrs)**

■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ A grade of "C" (2.0) or better is required in each course in this section.

<sup>1</sup> MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

**Select one of the following sequences of courses:**

- Preferred course	CHM 2045C	Chemistry Fundamentals I	4 hrs
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or	CHM 2040	Chemistry Fundamentals IA and	3 hrs
	CHM 2041	Chemistry Fundamentals IB	3 hrs

<sup>1</sup> 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
<sup>1</sup> CHM 2045C	Chemistry Fundamentals I	CPP
<sup>1</sup> CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
Earth Science		
Biological Science		3 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

**4. Core Requirements: Advanced Level (53 hrs)**

<sup>1</sup> EGN 3310	Engineering Analysis-Statics	3 hrs
<sup>1</sup> EGN 3321	Engineering Analysis-Dynamics	3 hrs
<sup>1</sup> EGN 3331	Mechanics of Materials	3 hrs
<sup>1</sup> EGN 3343	Thermodynamics	3 hrs
<sup>1</sup> EGN 3613	Engineering Economic Analysis	2 hrs
<sup>1</sup> ENV 3001	Introduction to Environmental Engineering	3 hrs
CCE 4003	Introduction to the Construction Industry	3 hrs
<sup>1</sup> STA 3032	Probability and Statistics for Engineers	GEP
<sup>1</sup> CWR 3201	Engineering Fluid Mechanics	3 hrs
CEG 4011C	Geotechnical Engineering I	4 hrs
EES 4111C	Biological Process Control	3 hrs
EES 4202C	Chemical Process Control	4 hrs
<sup>1</sup> ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
<sup>1</sup> CWR 4632C	Water Resources Engineering I	4 hrs
CWR 4633C	Water Resources Engineering II	3 hrs
<sup>1</sup> ENV 4120	Air Pollution Control	3 hrs
<sup>1</sup> ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
<sup>1</sup> ENV 4341	Solid & Hazardous Waste Management	3 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

# UCF Degree Programs

## 5. Restricted Electives (3 hrs)

■ Technical electives are available in the BSEnE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

## 6. Capstone Requirements (6 hrs)

■ Required Senior Design Courses  
CGN 4808C CECE Capstone Design 3 hrs

## Design Specialization 3 hrs

■ Must be completed before registering for CGN 4808C - Capstone

ENV 4433C	Environmental Engineering Wastewater Design or	3 hrs
<sup>1</sup> ENV 4122C	Air Pollution Control Design or	3 hrs
<sup>1</sup> ENV 4300C	Solid Waste Facility Design or	3 hrs
<sup>1</sup> ENV 4562C	Environmental Engineering Water Treatment Design	3 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

## 7. Foreign Language Requirements

### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

■ None

## 8. Electives

■ None

## 9. Additional Requirements

■ EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ None

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 128

### Honors In Major

■ None

### Related Programs

- Chemistry
- Construction Engineering
- Civil Engineering

### Certificates

■ None

### Related Minors

- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

### Advising Notes

■ Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

■ The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

### Transfer Notes

■ Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one 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.

<b>Freshman Year - Fall</b>		<b>14 hrs</b>
ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
EGN 1006C	Introduction to the Engineering Profession	1 hr
<sup>1</sup> BSC 1050	Biology and Environment	3 hrs
GEP		3 hrs

<sup>1</sup> Biological Science Requirement for Major

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
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
<sup>1</sup> GEO 1200	Physical Geography	3 hrs

<sup>1</sup> Earth Science Requirement for Major - also in GEP

<b>Sophomore Year - Fall</b>		<b>16 hrs</b>
MAC 2313	Calculus with Analytic Geometry III	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3613	Engineering Economic Analysis	2 hrs
GEP		3 hrs

<b>Sophomore Year - Spring</b>		<b>17 hrs</b>
MAP 2302	Differential Equations	3 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
GEP		3 hrs

<b>Sophomore Year - Summer</b>		<b>9 hrs</b>
EGN 3343	Thermodynamics	3 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
GEP		3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
CWR 3201	Engineering Fluid Mechanics	3 hrs
EGN 3331	Mechanics of Materials	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
CCE 4003	Introduction to the Construction Industry	3 hrs
ENV 4341	Solid & Hazardous Waste Management	3 hrs

<b>Junior Year - Spring</b>		<b>14 hrs</b>
GEP		3 hrs
CEG 4011C	Geotechnical Engineering I	4 hrs
ENV 4531	Environmental Engineering Operations & Processes I	3 hrs
CWR 4632C	Water Resources Engineering I	4 hrs

<b>Senior Year - Fall</b>		<b>16 hrs</b>
ENV 4120	Air Pollution Control	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs
EES 4202C	Chemical Process Control	4 hrs
CWR 4633C	Water Resources Engineering II	3 hrs
<b>Design Specialization</b>		<b>3 hrs</b>
ENV 4433C	Environmental Engineering Wastewater Design or	3 hrs
ENV 4122C	Air Pollution Control Design or	3 hrs
ENV 4300C	Solid Waste Facility Design or	3 hrs
ENV 4562C	Environmental Engineering Water Treatment Design	3 hrs
<b>Senior Year - Spring</b>		<b>12 hrs</b>
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.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

## Event Management (B.S.)

**Rosen College of Hospitality Management**  
**Department of Tourism Event and Attractions,**  
**9907 Universal Boulevard, Orlando, FL 32819**

<http://www.hospitality.ucf.edu>

**E-mail: [hospitality@mail.ucf.edu](mailto:hospitality@mail.ucf.edu)**

Dr. Deborah Breiter, Department Chair

Dr. Abraham Pizam, Dean

407-903-8000

### Admission Requirements

■ None

### Degree Requirements

■ None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs

Required CGS 2100C Computer Fundamentals for Business or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Required ECO 2013 Principles of Macroeconomics or 3 hrs

Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs

Required PSY 2012 General Psychology or 3 hrs

Required SYG 2000 Introduction to Sociology or 3 hrs

Required ANT 2000 General Anthropology 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.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level

MAC 1105C College Algebra GEP

Select 1:

STA 2023 Statistical Methods I or GEP

CGS 2100C Computer Fundamentals for Business GEP

Select 1:  
 ECO 2013 Principles of Macroeconomics or GEP  
 ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (52 hrs)

**Hospitality Management Core 24 hrs**

HFT 2401 Hospitality Industry Financial Accounting 3 hrs

HFT 2500 Hospitality and Tourism Marketing 3 hrs

HFT 2220 Hospitality Human Resources Management 3 hrs

HFT 2254 Lodging Operations 3 hrs

HFT 3431 Hospitality Industry Managerial Accounting 3 hrs

HFT 3540 Guest Services Management I 3 hrs

HFT 4286 Hospitality Communications 3 hrs

HFT 4464 Hospitality Industry Finance 3 hrs

**Internships 3 hrs**

HFT 3940 Internship 1 hr

HFT 4941 Internship 1 hr

HFT 4944 Practicum 1 hr

**Event Management Core 25 hrs**

FSS 2284C Food Preparation for Catered Events 4 hrs

HFT 2750 The Event Industry 3 hrs

HFT 3670 Hospitality and Event Risk Management 3 hrs

HFT 3512 Event Promotion 3 hrs

HFT 3373 Event Design, Production & Technology 3 hrs

HFT 3519 Event Services 3 hrs

HFT 3523 Event Sales 3 hrs

HFT 4757 Event Management 3 hrs

5. Restricted Electives (18 hrs)

Complete any six restricted Event Management Electives 18 hrs

HFT 3741 Meeting Management or 3 hrs

HFT 4754 Exhibit and Trade Show Operations or 3 hrs

HFT 4795 Entertainment Arts and Events or 3 hrs

HFT 3798 Fairs and Festivals or 3 hrs

HFT 4561 Destination Marketing or 3 hrs

HFT 4736 Destination Management or 3 hrs

HFT 4796 International Events or 3 hrs

HFT 4375 Advanced Trade Show Management or 3 hrs

HFT 3868 History and Culture of Wine or 3 hrs

HFT 3357 Golf & Club Event Operations 3 hrs

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

#### 8. Electives

■ 3-11 hours as necessary to result in 120 total credit hours.

#### 9. Additional Requirements

■ Final exams will be given during Final Exam Week only.  
 ■ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

#### 10. Required Minors

■ None

#### 11. Departmental Exit Requirements

■ None

#### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA  
 ■ 60 semester hours earned after CLEP awarded  
 ■ 48 semester hours of upper division credit completed  
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF  
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

# UCF Degree Programs

## Honors In Major

- None

## Related Programs

- None

## Certificates

- None

## Related Minors

- None

## Advising Notes

- None

## Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

### Freshman Year - Fall 15 hrs

HFT 1000	Introduction to the Hospitality and Tourism Industry	3 hrs
ENC 1101	Composition I	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs

### Select one course from the list 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

### Cult/Historical Foundation Course 3 hrs

AMH 2010	U.S. History: 1492-1877 or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
EUH 2000	Western Civilization I or	3 hrs
WOH 2012	World Civilization I	3 hrs

### Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
MAC 1105C	College Algebra	3 hrs
HFT 2750	The Event Industry	3 hrs
HFT 2220	Hospitality Human Resources Management	3 hrs

### Cultural Foundation Course 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 or	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 2511	The Human Species	3 hrs

### Sophomore Year - Spring 16 hrs

HFT 3512	Event Promotion	3 hrs
HFT 3519	Event Services	3 hrs
<sup>1</sup> FSS 2284C	Food Preparation for Catered Events	4 hrs

### Science Foundation II 3 hrs

AST 2002	Astronomy or	3 hrs
CHM 1020	Concepts in Chemistry or	3 hrs
PSC 1121	Physical Science	3 hrs

## Cultural Foundation Course 3 hrs

FIL 1000	Cinema Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
ARH 2050	History of Western Art I or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

<sup>1</sup> 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 3940	Internship	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	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	Practicum	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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$37.50 per term
- Full-Time Student: \$75 per term

## Exceptional Student Education (B.S.)

### College of Education

### Department of Child, Family and Community Sciences, Education Building, Room: 209

<http://www.education.ucf.edu/>

Linda Alexander, Program Contact, lalexand@mail.ucf.edu, 407-823-2598

## Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- 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 seek advising through the Exceptional Education faculty prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

- Students must earn a "C-"(1.75) or better in each required Exceptional Education course
- Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See <http://www.fldoe.org> for available test dates and test sites.

FTCE General Knowledge Test (GKT)- Passing score on the GKT is required prior for admission into the College of Education.

FTCE Professional Education Test (PEd) prior to Internship I.

FTCE Subject Area Examination for Exceptional Student Education K-12

Must take and pass one of the following content area subject area examinations: Elementary K-5, Secondary individual subject areas 6-12, or Integrated Curriculum 6-9

### 1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs

#### Select 1: (3 hrs)

Prefer	LIT 2110	World Literature I or	3 hrs
Prefer	LIT 2120	World Literature II or	3 hrs
Prefer	PHI 2010	Introduction to Philosophy or	3 hrs
Prefer	REL 2300	World Religions	3 hrs

#### C: Mathematical Foundations (6 hrs)

##### Select 1: (3 hrs)

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

##### Select 1: (3 hrs)

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

#### D: Social Foundations (6 hrs)

Prefer	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
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##### Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

### 2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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)

<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs
<sup>1</sup> EDF 2720	Children in Schools: Legal, Ethical and Safety Concerns	3 hrs
EEX 2010	Introduction to Special Education	3 hrs
<sup>1</sup> EEX 2758	Enhancing Family Involvement in Education	2 hrs
MAE 2801	Elementary School Mathematics	4 hrs

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### 4. Core Requirements: Advanced Level (60 hrs)

- Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major's program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

#### Semester I (12 hrs)

<sup>1</sup> EDG 4410	Teaching Strategies and Classroom Management	3 hrs
<sup>1</sup> EEX 3241	Methods for Academic Skills for Exceptional Students	3 hrs
<sup>1</sup> RED 3012	Basic Foundations of Reading	3 hrs
<sup>1</sup> TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<sup>1</sup> Courses to be taken prior to Internship I

#### Semester II (15 hrs)

- It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II

EDF 4467	Learning Theory and Assessment	3 hrs
EEX 3243	Techniques for Exceptional Adolescents-Adults	3 hrs
LAE 4314	Language Arts in the Elementary School	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
RED 4519	Diagnostic and Corrective Reading Strategies	3 hrs

#### Semester III (Summer) (6 hrs)

- Please note: It is required to take the Professional Education Test (PEd) prior to Semester III and the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) prior to Semester IV.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

EEX 3221	Assessment of Exceptional Students	3 hrs
EEX 4066	Curriculum, Theory and Instructional Strategies for Students with Special Needs	3 hrs

#### Semester IV (15 hrs)

- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

- A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12 is strongly recommended before entry into student teaching (EEX 4941 Internship II).

- Choose one course from either the Elementary or Secondary level Methods Content Area Course I sections.

EEX 3942	Internship I Exceptional Education	3 hrs
<sup>1</sup> EEX 4601	Introduction to Behavior Management	3 hrs
EEX 4763	Technology for Classroom Teachers of Students with Special Needs	3 hrs
RED 4942	Practicum for Assessment and Instruction of Reading	3 hrs

#### Elementary Level: Methods Content Area Course I

LAE 3414	Literature for Children or	3 hrs
<sup>1</sup> MAE 4326	How Children Learn Mathematics or	3 hrs
SCE 3310	Teaching Science in Elementary School or	3 hrs
SSE 3312	Teaching Social Science in the Elementary School	3 hrs

# UCF Degree Programs

## Secondary Level: Methods Content Area Course I

SCE 4360	Science Instructional Analysis or	4 hrs
MAE 4360	Mathematics Instructional Analysis or	4 hrs
SSE 4361	Social Science Instructional Analysis or	4 hrs
LAE 4360	English Instructional Analysis or	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

<sup>1</sup> To enroll in this course, you must be registered for EEX 3942 Internship I.

## Semester V 12 hrs

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.065.

■ All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Choose one course from either the Elementary or Secondary level Methods Content Area Course II sections.

EEX 4941	Internship	9 hrs
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## Elementary Level: Methods Content Area Course II

SCE 3310	Teaching Science in Elementary School or	3 hrs
SSE 3312	Teaching Social Science in the Elementary School or	3 hrs
LAE 3414	Literature for Children	3 hrs

## Secondary Level: Methods Content Area Course II

SCE 4360	Science Instructional Analysis or	4 hrs
MAE 4360	Mathematics Instructional Analysis or	4 hrs
SSE 4361	Social Science Instructional Analysis or	4 hrs
LAE 4360	English Instructional Analysis or	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

## 5. Restricted Electives

■ None

## 6. Capstone Requirements

■ None

## 7. Foreign Language Requirements

### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

■ None

## 8. Electives

■ None

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Complete a TESOL notebook as required for ESOL Endorsement.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

## 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

■ 120

## Honors In Major

■ None

## Related Programs

■ None

## Certificates

■ None

## Related Minors

■ None

## Advising Notes

■ None

## Transfer Notes

■ None

## Acceptable Substitutes for Transfer Courses

■ None

## Plan of Study

■ This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

## Freshman Year - Fall 12 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

## Freshman Year - Spring 15 hrs

EDF 2085	Introduction to Diversity for Educators	3 hrs
ENC 1102	Composition II	3 hrs
EDF 2130	Child and Adolescent Development for Educators	3 hrs

PSC 1121	Physical Science	3 hrs
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## Select 1: 3 hrs

REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

## Freshman Year - Summer 6 hrs

POS 2041	American National Government	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

## Sophomore Year - Fall 12 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

## Select 1: 3 hrs

BSC 1005	Biological Principles or	3 hrs
ANT 2511	The Human Species	3 hrs

## Select 1: 3 hrs

STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

## Sophomore Year - Spring 12 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
EEX 2758	Enhancing Family Involvement in Education	2 hrs

EDF 2720	Children in Schools: Legal, Ethical and Safety Concerns	3 hrs
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MAE 2801	Elementary School Mathematics	4 hrs
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## Sophomore Year - Summer 3 hrs

■ A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.

EEX 2010	Introduction to Special Education	3 hrs
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## Junior Year - Fall 12 hrs

EDG 4410	Teaching Strategies and Classroom Management	3 hrs
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TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
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EEX 3241	Methods for Academic Skills for Exceptional Students	3 hrs
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RED 3012	Basic Foundations of Reading	3 hrs
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## Junior Year - Spring 15 hrs

■ it is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II.

EEX 3243	Techniques for Exceptional Adolescents-Adults	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
LAE 4314	Language Arts in the Elementary School	3 hrs
RED 4519	Diagnostic and Corrective Reading Strategies	3 hrs

**Junior Year - Summer 6 hrs**

■ It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.

EEX 3221	Assessment of Exceptional Students	3 hrs
EEX 4066	Curriculum, Theory and Instructional Strategies for Students with Special Needs	3 hrs

**Senior Year - Fall 15 hrs**

EEX 4763	Technology for Classroom Teachers of Students with Special Needs	3 hrs
EEX 4601	Introduction to Behavior Management	3 hrs
EEX 3942	Internship I Exceptional Education	3 hrs
RED 4942	Practicum for Assessment and Instruction of Reading	3 hrs

**Select Methods Content I 9 hrs**

■ Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.

SCE 3310	Teaching Science in Elementary School or	3 hrs
SSE 3312	Teaching Social Science in the Elementary School or	3 hrs
LAE 3414	Literature for Children or	3 hrs
MAE 4326	How Children Learn Mathematics or	3 hrs
SCE 4360	Science Instructional Analysis or	4 hrs
SSE 4361	Social Science Instructional Analysis or	4 hrs
LAE 4360	English Instructional Analysis or	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12 or	3 hrs
MAE 4360	Mathematics Instructional Analysis	4 hrs

**Senior Year - Spring 12 hrs**

EEX 4941	Internship	9 hrs
	Select one approved Methods Course	3 hrs

**Program Academic Learning Compacts**

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alca/academic_learning_compacts.htm)

## Film (B.F.A.)

### College of Arts and Humanities

### Department of Film, Nicholson School of

### Communication, Room: 121

<http://www.film.cah.ucf.edu>

**E-mail: film@mail.ucf.edu**

Steve Schlow, 407-823-2845

407-823-4285

**Admission Requirements**

- 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)**

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
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**Select 1: 3 hrs**

Prefer	CGS 1060C	Introduction to Computer Science or	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> May substitute a higher level math

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (3 hrs)**

<sup>1</sup> FIL 2030	History of Motion Pictures	GEP	3 hrs
FIL 1007	Foundations of Story		3 hrs

<sup>1</sup> See transfer notes for possible substitutions.

**3. Core Requirements: Basic Level (21 hrs)**

■ Lower level core requirements			
FIL 2107	Script Analysis		3 hrs
FIL 1009	Cinematic Expression for Majors		3 hrs
FIL 2552	Editing I		3 hrs
FIL 2480	Directing for Film I		3 hrs
FIL 2461	Cinematography I		3 hrs
FIL 2481	Directing the Actor for Film I		3 hrs
DIG 2000	Introduction to Digital Media		3 hrs

**4. Core Requirements: Advanced Level (36 hrs)**

■ Upper level core requirements			
FIL 3115	Short Script I		3 hrs
FIL 3132	Short Script II		3 hrs
FIL 3427C	Introduction to Film Production		3 hrs
FIL 3534	Sound Design for Film I		3 hrs
FIL 3036	Film History I		3 hrs
FIL 3037	Film History II		3 hrs
FIL 3803C	Film Theory and Criticism I		3 hrs
<sup>1</sup> FIL 3922	Film Colloquium		1 hr
FIL 4486C	Directing for Film II		3 hrs
FIL 4661	The Film Producer		3 hrs
FIL 4647	Film Production Management		3 hrs

<sup>1</sup> Six semesters of colloquium required at 1 hour each.

**5. Restricted Electives (12 hrs)**

■ Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor's prior approval.

**Production / Direction**

FIL 3363C	Film Documentary		3 hrs
DIG 4704	Interactive Entertainment		3 hrs
FIL 4472C	Cinematography II		3 hrs
FIL 4535C	Sound Design for Film II		3 hrs
FIL 4536	Sound Design III		3 hrs
FIL 4451	Design for Film		3 hrs
FIL 4487	Directing for Film III		3 hrs
FIL 4566C	Editing II		3 hrs

**Screen Writing**

FIL 4103	Adaptation		3 hrs
FIL 4162C	Feature/TV Writing I		3 hrs
FIL 4163C	Feature/TV Writing II		3 hrs
FIL 4113C	Interactive Writing I		3 hrs
FIL 4114C	Interactive Writing II		3 hrs
FIL 4126C	Genre Writing		3 hrs
FIL 4906	Directed Independent Study		1 hr

# UCF Degree Programs

## Cinema Studies

FIL 3880C	Images of Women in Film	3 hrs
FIL 3831	Black Cinema	3 hrs
FIL 3051	Avant-Garde Cinema	3 hrs
FIL 3804C	Film Theory and Criticism II	3 hrs
FIL 3841	French New Wave Cinema	3 hrs
FIL 3824	Italian Neo-Realist Cinema	3 hrs
FIL 3847	Latin American Cinema	3 hrs
FIL 3820	Italian Film	3 hrs
FIL 3822	French Film	3 hrs
FIL 3823	German Film	3 hrs
FIL 3826	American Cinema	3 hrs
FIL 3871	The American Film Artist	3 hrs
FIL 4436	Film Theory/Film Production	3 hrs

## Digital Cinema

ART 2823	Art as Interface	3 hrs
ART 3618	Post-Production Design	3 hrs
COP 3502C	Computer Science I	3 hrs
DIG 4855C	Converging Media Capstone	3 hrs
DIG 3138C	Digital Imagery	3 hrs
DIG 4780C	Modeling for Realtime Systems	3 hrs
ENC 4415	Digital Rhetorics and The Modern Dialectic	3 hrs
DIG 3134	Media Software Design	3 hrs
MUC 3311	MIDI Sequencing I	3 hrs

## 6. Capstone Requirements (6 hrs)

FIL 4434C	Capstone I	3 hrs
FIL 4573C	Capstone II	3 hrs

## 7. Foreign Language Requirements

### Admissions

- Met by graduation requirement

### Graduation

Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives

Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- Journalism Studies

### 11. Departmental Exit Requirements

A student must maintain an overall average of a "B" (3.0) or better in major courses.

Department of Film requires an exit interview.

### Computer Competency met by one of the following: 3 hrs

CGS 1060C	Introduction to Computer Science	3 hrs
FIL 2552	Editing I or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Film - Cinema Studies Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

### Certificates

- None

## Related Minors

- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

## Advising Notes

- None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.

FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken

## Plan of Study

### Freshman Year - Fall

ENC 1101	Composition I	3 hrs
FIL 1007	Foundations of Story	3 hrs
FIL 1008	Cinematic Expression/Aesthetics	3 hrs
FIL 1009	Cinematic Expression for Majors	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
Foreign Language		4 hrs

### Freshman Year - Spring

ENC 1102	Composition II	3 hrs
FIL 2030	History of Motion Pictures	3 hrs
FIL 2107	Script Analysis	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
Foreign Language		4 hrs

### Freshman Year - Summer

GEP		3 hrs
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### Sophomore Year - Fall

FIL 3115	Short Script I	3 hrs
FIL 3427C	Introduction to Film Production	3 hrs
FIL 3803C	Film Theory and Criticism I	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
GEP		3 hrs

### Sophomore Year - Spring

FIL 2480	Directing for Film I	3 hrs
FIL 2481	Directing the Actor for Film I	3 hrs
FIL 2552	Editing I	3 hrs
FIL 3922	Film Colloquium	1 hr
GEP		3 hrs
GEP		3 hrs

### Sophomore Year - Summer

GEP		3 hrs
GEP		3 hrs

### Junior Year - Fall

DIG 2000	Introduction to Digital Media	3 hrs
FIL 2461	Cinematography I	3 hrs
FIL 3036	Film History I	3 hrs
FIL 3534	Sound Design for Film I	3 hrs
FIL 3922	Film Colloquium	1 hr
FIL 4486C	Directing for Film II	3 hrs

### Junior Year - Spring

FIL 3037	Film History II	3 hrs
FIL 3132	Short Script II	3 hrs
FIL 3922	Film Colloquium	1 hr
FIL 4647	Film Production Management	3 hrs
FIL 4661	The Film Producer	3 hrs
FIL XXXX	Elective	

### 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](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://www.film.cah.ucf.edu>

**E-mail: film@mail.ucf.edu**

Steve Schlow, 407-823-2845

407-823-4285

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of "C" (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

**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 1.B.1 or 1.B.2 list 3 hrs

**C: Mathematical Foundations (6 hrs)**

<sup>1</sup> MGF 1106 Finite Mathematics 3 hrs

Suggested

**Select 1: (3 hrs)**

Prefer CGS 1060C Introduction to Computer Science or 3 hrs

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (may substitute a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (3 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

<sup>1</sup> FIL 2030 History of Motion Pictures GEP

<sup>1</sup> FIL 1007 Foundations of Story 3 hrs

<sup>1</sup> 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 3462C Cinematic Expression 3 hrs

FIL 3363C Film Documentary 3 hrs

FIL 3036 Film History I 3 hrs

FIL 3037 Film History II 3 hrs

FIL 3051 Avant-Garde Cinema 3 hrs

FIL 3803C Film Theory and Criticism I 3 hrs

FIL 3804C Film Theory and Criticism II 3 hrs

FIL 3845 World Cinema Traditions 3 hrs

FIL 3826 American Cinema 3 hrs

FIL 4661 The Film Producer 3 hrs

**Select 1: (3 hrs)**

FIL 3102 Writing for Film and TV or 3 hrs

FIL 3115 Short Script I 3 hrs

**5. Restricted Electives (9 hrs)**

- Select three courses from the following upper level FIL courses:

- A maximum of 6 hours Independent Study and/or internship credit may be used

FIL 3850 Cinema Directors 3 hrs

FIL 3880C Images of Women in Film 3 hrs

FIL 3831 Black Cinema 3 hrs

FIL 3841 French New Wave Cinema 3 hrs

FIL 3041 History of Animated Films I 3 hrs

FIL 3824 Italian Neo-Realist Cinema 3 hrs

FIL 3842 International Cinema 3 hrs

FIL 3820 Italian Film 3 hrs

FIL 3822 French Film 3 hrs

FIL 3823 German Film 3 hrs

FIL 3871 The American Film Artist 3 hrs

FIL 4436 Film Theory/Film Production 3 hrs

FIL 4906 Directed Independent Study 3 hrs

FIL 5612 Film and Internet Business 3 hrs

DIG 4855C Converging Media Capstone 3 hrs

DIG 4704 Interactive Entertainment 3 hrs

FIL 3847 Latin American Cinema 3 hrs

FIL 3852 Cinema Criticism Writing 3 hrs

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**8. Electives**

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**

- None

**10. Required Minors**

- Must be taken outside the Film Department. (18 hrs min)

**11. Departmental Exit Requirements**

- A student must maintain an overall average of "C" (2.0) or better in major courses.

- Computer competency met by one of the following:

CGS 1060C Introduction to Computer Science 3 hrs

STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

# UCF Degree Programs

## Related Programs

- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film

## Certificates

- None

## Related Minors

- Music
- Theatre
- Art - Studio
- English - Creative Writing

## Advising Notes

- None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

## Acceptable Substitutes for Transfer Courses

### Acceptable substitutes for Common Program Prerequisites

- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken
- FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken

## Plan of Study

- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

## Freshman Year - Fall

ENC 1101	Composition I	3 hrs
FIL 1007	Foundations of Story	3 hrs
FIL 2030	History of Motion Pictures	3 hrs
Foreign Language I		4 hrs

## Freshman Year - Spring

ENC 1102	Composition II	3 hrs
FIL 1008	Cinematic Expression/Aesthetics	3 hrs
FIL 2107	Script Analysis	3 hrs
Foreign Language II		4 hrs

## Freshman Year - Summer

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

## Sophomore Year - Fall

FIL 2423	Foundations of Production	3 hrs
FIL 3006	Art of the Cinema	3 hrs
FIL 3036	Film History I	3 hrs
GEP		3 hrs
GEP		3 hrs

## Sophomore Year - Spring

DIG 2000	Introduction to Digital Media	3 hrs
FIL 3037	Film History II	3 hrs

## Take one of the following

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 4661	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

## 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

## Finance (B.S.B.A.)

### College of Business Administration

### Department of Finance, Business Administration I, Room: 409

Students seeking advising must go to BA 2 room 101.

<http://web.bus.ucf.edu/academics/finance/>  
407-823-3575

Not eligible for a double degree with another College or Business Administration major.

## Admission Requirements

- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

## Degree Requirements

- Students who change their degree programs should adopt the most current catalog.
- Only grades "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Restricted Electives below) can count toward another major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students majoring in finance must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:

FIN 3403C	Business Finance	4 hrs
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## 1. UCF General Education Program (GEP) (36 hrs)

### A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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### B: Cultural & Historical Foundations (9 hrs)

### C: Mathematical Foundations (6 hrs)

Required	MAC 1140	Pre-Calculus Algebra	3 hrs
Required	CGS 2100C	Computer Fundamentals for Business	3 hrs

### D: Social Foundations (6 hrs)

#### Select 1: (3 hrs)

Suggested	ECO 2013	Principles of Macroeconomics	3 hrs
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or

Suggested	ECO 2023	Principles of Microeconomics	3 hrs
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#### Select 1: (3 hrs)

Suggested	PSY 2012	General Psychology or	3 hrs
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Suggested	ANT 2000	General Anthropology or	3 hrs
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Suggested	SYG 2000	Introduction to Sociology	3 hrs
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<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<b>2. Common Program Prerequisites (CPP)</b>	<b>(18 hrs)</b>
<ul style="list-style-type: none"> <li>■ Must be completed with a "C" (2.0) or better.</li> <li>■ See "Common Prerequisites" in the Transfer and Transitions services section for more information.</li> </ul>	
ACG 2071	Principles of Managerial Accounting 3 hrs
ECO 2013	Principles of Macroeconomics 3 hrs
ECO 2023	Principles of Microeconomics 3 hrs
CGS 2100C	Computer Fundamentals for Business 3 hrs
ACG 2021	Principles of Financial Accounting 3 hrs

**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:**

<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3375	Introduction to International Business	4 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> 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	Commercial Bank Management or	3 hrs
FIN 4424	Advanced Topics in Financial Management or	3 hrs
FIN 4514	Portfolio Analysis and Management or	3 hrs
FIN 4533	Financial Derivatives or	3 hrs
FIN 4604	International Financial Management	3 hrs

**5. Restricted Electives (6 hrs)**

**Select 2: 6 hrs**

ACG 3131	Intermediate Financial Accounting I or	3 hrs
ACG 3141	Intermediate Financial Accounting II or	3 hrs
ACG 3361	Cost Accounting I or	3 hrs
ECO 4412	Econometrics or	3 hrs
FIN 3461	Financial Statement Analysis or	3 hrs
FIN 4324	Commercial Bank Management or	3 hrs
FIN 4424	Advanced Topics in Financial Management or	3 hrs
FIN 4514	Portfolio Analysis and Management or	3 hrs
FIN 4533	Financial Derivatives or	3 hrs
FIN 4604	International Financial Management or	3 hrs
FIN 4906	Directed Independent Study or	1 hr
FIN 4941	Finance Internship or	3 hrs
<sup>1</sup> FIN 4903H	Honors Directed Reading I or	1 hr
<sup>1</sup> FIN 4970H	Undergraduate Honors Thesis or	1 hr
MAR 3391	Professional Selling or	3 hrs
REE 3043	Fundamentals of Real Estate or	3 hrs
REE 3433	Real Estate Law or	3 hrs
REE 4103	Real Estate Appraisal and Valuation or	3 hrs
REE 4204	Residential Real Estate Finance or	3 hrs
REE 4303	Real Estate Investment Analysis or	3 hrs
REE 4732	Real Estate Development or	3 hrs
TAX 4001	Taxation of Business Entities and Transactions or	3 hrs

REE 4203	Commercial Real Estate Finance or	3 hrs
REE 4933	Advanced Topics in Real Estate or	3 hrs
GEB 4374	International Negotiations and Transactions	3 hrs

<sup>1</sup> Must be in the UCF Honors in the Major Program. See <http://www.honors.ucf.edu/> for details.

<b>6. Capstone Requirements</b>	<b>(4 hrs)</b>
MAN 4720	Strategic Management 4 hrs
<ul style="list-style-type: none"> <li>■ This course is taken in the graduating term and requires the following prerequisites:</li> </ul>	
GEB 3031	Cornerstone: Professional Skills for Business 3 hrs
MAR 3023	Marketing 4 hrs
MAN 3025	Management of Organizations 4 hrs
FIN 3403C	Business Finance 4 hrs

**7. Foreign Language Requirements**

**Admissions**

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

**Graduation**

■ None

**8. Electives**

■ (variable)

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ None

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

■ None

**Related Programs**

■ None

**Certificates**

- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

**Related Minors**

■ None

**Advising Notes**

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System 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.

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
ENC 1101 Composition I	3 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
MAC 1105C College Algebra	3 hrs
Cult-Hist I	3 hrs
Elective	3 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ENC 1102 Composition II	3 hrs
CGS 2100C Computer Fundamentals for Business	3 hrs
Cult-Hist II	3 hrs
Art/Music/Lit	3 hrs
Elective	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
ECO 2013 Principles of Macroeconomics	3 hrs
ACG 2021 Principles of Financial Accounting	3 hrs
Science	3 hrs
Psy/Ant/Soc	3 hrs
Elective	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
ECO 2023 Principles of Microeconomics	3 hrs
ACG 2071 Principles of Managerial Accounting	3 hrs
ECO 3401 Quantitative Business Tools I	3 hrs
Science	3 hrs
Elective	3 hrs

<b>Junior Year - Fall</b>	<b>16 hrs</b>
GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
GEB 3375 Introduction to International Business	4 hrs
MAR 3023 Marketing	4 hrs
FIN 3403C Business Finance	4 hrs

<b>Junior Year - Spring</b>	<b>17 hrs</b>
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

<b>Senior Year - Fall</b>	<b>14 hrs</b>
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

<b>Senior Year - Spring</b>	<b>13 hrs</b>
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.oas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/aic/academic_learning_compacts.htm)

### Equipment Fees

■ Part-Time Student: \$15 per term  
 ■ Full-Time Student: \$30 per term

## Foreign Language Education - French (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://www.education.ucf.edu/language>

Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
407-823-5235

### Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university  
 ■ Have a minimum 2.5 overall GPA  
 ■ Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)  
 ■ 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)

<b>Select 1:</b>			<b>3 hrs</b>
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or Principles of Statistics	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

<b>Select 1:</b>			<b>3 hrs</b>
Suggested	MGF 1106	Finite Mathematics or Explorations in Mathematics	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
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#### Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or Biological Principles	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
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

#### 3. Core Requirements: Basic Level (6 hrs)

EDF 2130	Child and Adolescent Development for Educators	3 hrs
FRE 2201	Intermediate French Language and Civilization II	3 hrs

**4. Core Requirements: Advanced Level (69 hrs)**  
**Education Core Requirements 18 hrs**

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

<sup>1</sup> EDG 4410	Teaching Strategies and Classroom Management	3 hrs
<sup>1</sup> 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
<sup>2</sup> 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

<sup>1</sup> Required prior to Internship I

<sup>2</sup> Community College transfer students may substitute EEX 2010 Introduction to Special Education.

**Internship I 3 hrs**

- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

FLE 3940	Internship	3 hrs
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**Specialization Requirements 33 hrs**

<sup>1</sup> FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
<sup>1</sup> 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
<sup>2</sup> FRE 4421	Advanced French Conversation	3 hrs
<sup>2</sup> FRE 4422	Advanced French Composition	3 hrs
	Upper division restricted electives (FRE/FRW 3/4XXX with advisor's consent)	6 hrs

<sup>1</sup> Required prior to Internship I.

<sup>2</sup> FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.

**Other Cognate Requirements (Linguistics) 3 hrs**

FRE 3780	French Phonetics and Diction	3 hrs
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**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/clinicalexpl/>

- 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
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**5. Restricted Electives**

- None

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

- None

**8. Electives**

- None

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

- Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- None

**Transfer Notes**

- None

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- Recommended Four Year Sequence of Courses

**Freshman Year - Fall 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
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**Sophomore Year - Fall 15 hrs**

EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> 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

# UCF Degree Programs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Sophomore Year - Spring</b>		<b>12 hrs</b>
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

<b>Select 1:</b>		<b>3 hrs</b>
ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs

<b>Sophomore Year - Summer</b>		<b>3 hrs</b>
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
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

<b>Junior Year - Spring</b>		<b>15 hrs</b>
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

<b>Junior Year - Summer</b>		<b>9 hrs</b>
FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs
FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
<sup>1</sup> EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs

<sup>1</sup> This course may be taken in the Fall of the senior year with consent of instructor.

<b>Senior Year - Fall</b>		<b>12 hrs</b>
FLE 3940	Internship	3 hrs
FRE 4421	Advanced French Conversation	3 hrs
Two upper division restricted electives (FRE/FRW 3/4XXX)		6 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
FLE 4941	Internship	12 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Foreign Language Education - Spanish (B.S.)

### College of Education

School of Teaching, Learning, and Leadership,  
Education Building, Room: 209

<http://www.education.ucf.edu/language>

E-mail: [kverkler@mail.ucf.edu](mailto:kverkler@mail.ucf.edu)

Dr. Karen Verkler, ED 220L

Dr. Janet Andreasen, ED 1230, [jandreas@mail.ucf.edu](mailto:jandreas@mail.ucf.edu), 407-823-5430  
407-823-5235

### Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university

■ Have a minimum 2.5 overall GPA

■ Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

■ This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

#### C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs
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#### Select 1: (3 hrs)

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

#### D: Social Foundations (6 hrs)

Prefer	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
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#### Select 1: (3 hrs)

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

#### 2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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)

<b>Other Program Requirements</b>		<b>6 hrs</b>
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

■ 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.

<sup>1</sup> EDG 4410	Teaching Strategies and Classroom Management	3 hrs
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<sup>1</sup> EDF 4467	Learning Theory and Assessment	3 hrs
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TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
<sup>2</sup> 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

<sup>1</sup> Required prior to Internship I

<sup>2</sup> Community College transfer students may substitute EEX 2010 Introduction to Special Education.

### Internship I 3 hrs

■ Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinicalexperiences.education.ucf.edu>.

FLE 3940	Internship	3 hrs
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### Specialization Requirements 27 hrs

<sup>1</sup> FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
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<sup>1</sup> FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs
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SPN 3300	Advanced Spanish Grammar and Composition	3 hrs
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SPN 3420	Spanish Composition	3 hrs
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SPN 3760	Advanced Spanish Oral Communication	3 hrs
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<sup>2</sup> SPW 3100	Survey of Spanish Literature I	3 hrs
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<sup>2</sup> SPW 3101	Survey of Spanish Literature II	3 hrs
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SPN 3344	Advanced Spanish Native Fluency I	3 hrs
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SPN 3345	Advanced Spanish Native Fluency II	3 hrs
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<sup>1</sup> Required prior to Internship I

<sup>2</sup> SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

### Upper Division Restricted Electives 6 hrs

■ Community college transfer students may substitute lower division restricted electives.

■ Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor's consent. The following courses are recommended:

SPN 4410	Advanced Spanish Conversation	3 hrs
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SPN 4421	Advanced Spanish Composition	3 hrs
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SPN 4510	Spanish Civilization and Culture	3 hrs
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SPN 4520	Latin American Civilization and Culture	3 hrs
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### Other Cognate Requirements 3 hrs

#### Select 1: 3 hrs

SPN 3852	Bilinguismo or	3 hrs
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SPN 4800	Spanish-American Syntax or	3 hrs
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SPN 4801	Spanish Morphosyntax	3 hrs
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### 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
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### 5. Restricted Electives

■ None

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ None

### Certificates

■ None

### Related Minors

■ None

### Advising Notes

■ None

### Transfer Notes

■ None

### Acceptable Substitutes for Transfer Courses

■ None

### Plan of Study

■ Recommended Four Year Sequence of Courses

<b>Freshman Year - Fall</b>		<b>12 hrs</b>
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

<b>Freshman Year - Spring</b>		<b>12 hrs</b>
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

<b>Freshman Year - Summer</b>		<b>3 hrs</b>
PHI 2010	Introduction to Philosophy	3 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> 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

## UCF Degree Programs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Sophomore Year - Spring</b>		<b>12 hrs</b>
EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
SPN 3234	Advanced Directed Readings	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
BSC 1005	Biological Principles or	3 hrs
ANT 2511	The Human Species	3 hrs

<b>Sophomore Year - Summer</b>		<b>3 hrs</b>
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
SPN 3300	Advanced Spanish Grammar and Composition	3 hrs
SPN 3344	Advanced Spanish Native Fluency I	3 hrs
SPN 3420	Spanish Composition	3 hrs
SPN 3760	Advanced Spanish Oral Communication	3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
EDF 4467	Learning Theory and Assessment	3 hrs
SPN 3345	Advanced Spanish Native Fluency II	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
SPW 3100	Survey of Spanish Literature I or	3 hrs
SPW 3130	Survey of Latin-American Literature I	3 hrs

<b>Junior Year - Summer</b>		<b>9 hrs</b>
FLE 4314	Foreign Language Teaching in Elementary Schools	3 hrs

FLE 4333	Foreign Language Teaching in the Secondary School	3 hrs
<sup>1</sup> EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs

<sup>1</sup> This course may be taken in the Fall of the senior year with consent of Instructor.

<b>Senior Year - Fall</b>		<b>12 hrs</b>
FLE 3940	Internship	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
SPN 4410	Advanced Spanish Conversation or	3 hrs
SPN 4421	Advanced Spanish Composition or	3 hrs
SPN 4510	Spanish Civilization and Culture or	3 hrs
SPN 4520	Latin American Civilization and Culture	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
SPN 3852	Bilinguismo or	3 hrs
SPN 4800	Spanish-American Syntax or	3 hrs
SPN 4801	Spanish Morphosyntax	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
SPW 3130	Survey of Latin-American Literature I or	3 hrs
SPW 3131	Survey of Latin-American Literature II	3 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
FLE 4941	Internship	12 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](http://www.oas.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/>

**E-mail: chemistry@ucf.edu**

Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522

407-823-2246

### Admission Requirements

■ None

### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry

■ Co-op credit cannot be used in this major.

■ Students should consult with a departmental advisor.

■ Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.

■ Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.

■ Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.

■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP) (39 hrs)

■ Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

#### A: Communication Foundations (9 hrs)

Preferred	SPC 1603	Fundamentals of Technical Presentations	3 hrs
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs

### 2. Common Program Prerequisites (CPP) (16 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

BSC 2010C	Biology I	GEP
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311	Calculus with Analytic Geometry I	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

NOTE: These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:

CHM 2045C	Chemistry Fundamentals I	4 hrs
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or - Students with little chemistry background should take this two semester equivalent instead.

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

### 3. Core Requirements: Basic Level (18 hrs)

<b>Core Science and Math Requirements</b>		<b>18 hrs</b>
BSC 2010C	Biology I	GEP/CPP
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
MAC 2311	Calculus with Analytic Geometry I	GEP/ CPP
MAC 2312	Calculus with Analytic Geometry II	CPP
PCB 3063	Genetics	3 hrs
PCB 3233	Immunology	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP/ CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP
STA 2023	Statistical Methods I	GEP

**4. Core Requirements: Advanced Level (34 hrs)****A. Forensic Science Core: 18 hrs**

CHS 3501	Introduction to Forensic Science	3 hrs
CHS 3505C	Forensic Microscopy	4 hrs
CHS 4537	Forensic Laboratory Quality Assurance	2 hrs
CHS 3595	Forensic Science in the Courtroom	3 hrs
CHS 3533	Forensic Biochemistry I	2 hrs
CHS 4591	Forensic Science Internship	4 hrs

**B. Forensic Analysis Track: 16 hrs**

CHM 3422	Applied Physical Chemistry	3 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 4130L	Advanced Analytical Chemistry Laboratory	2 hrs
CHS 3511C	Trace Evidence	4 hrs
CHS 3530C	Forensic Analysis of Controlled Substances	4 hrs

**5. Restricted Electives (12 hrs)****Select 12 hours from the following: 12 hrs**

■ Note: Substitutions require prior approval by the department.

ANT 4521	Forensic Anthropology	3 hrs
BCH 4053	Biochemistry I	3 hrs
CHM 3212L	Organic Laboratory Techniques II	2 hrs
CHM 4912	Directed Independent Research	1 hr
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 used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 124

**Honors In Major**

- None

**Related Programs**

- Chemistry
- Forensic Science - Biochemistry Track

**Certificates**

- Behavioral Forensics
- Crime Scene Investigation

**Related Minors**

- Chemistry

**Advising Notes**

- None

**Transfer Notes**

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

**Plan of Study**

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
- Before registering for Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

**Freshman Year - Fall 15 hrs**

BSC 2010C	Biology I	4 hrs
ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

**Freshman Year - Spring 15 hrs**

PHY 2048C	Physics for Engineers & Scientists I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2312	Calculus with Analytic Geometry II	4 hrs
CHS 3501	Introduction to Forensic Science	3 hrs

**Sophomore Year - Fall 16 hrs**

GEP		3 hrs
SPC 1603	Fundamentals of Technical Presentations	3 hrs
STA 2023	Statistical Methods I	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
CHM 2210	Organic Chemistry I	3 hrs

**Sophomore Year - Spring 14 hrs**

GEP		3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
Restricted Elective		3 hrs
ENC 1102	Composition II	3 hrs

**Junior Year - Fall 14 hrs**

CHM 3120	Analytical Chemistry	3 hrs
PCB 3063	Genetics	3 hrs
CHS 3505C	Forensic Microscopy	4 hrs
CHS 4537	Forensic Laboratory Quality Assurance	2 hrs
CHM 3120L	Analytical Chemistry Laboratory	1 hr
Free Elective		1 hr

**Junior Year - Spring 14 hrs**

GEP		3 hrs
CHS 3595	Forensic Science in the Courtroom	3 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
Restricted Elective		3 hrs
CHM 4130L	Advanced Analytical Chemistry Laboratory	2 hrs

**Senior Year - Fall 16 hrs**

PCB 3233	Immunology	3 hrs
CHS 3533	Forensic Biochemistry I	2 hrs

## UCF Degree Programs

CHM 3422	Applied Physical Chemistry	3 hrs
CHS 3530C	Forensic Analysis of Controlled Substances	4 hrs
GEP		3 hrs
Free Elective		1 hr
Free Elective		1 hr

<b>Senior Year - Spring</b>		<b>16 hrs</b>
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
CHS 3511C	Trace Evidence	4 hrs
Free Elective		3 hrs

<b>Senior Year - Summer</b>		<b>4 hrs</b>
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](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/>

**E-mail: chemistry@ucf.edu**

Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522  
407-823-2246

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (39 hrs)

- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

#### A: Communication Foundations (9 hrs)

Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs

#### 2. Common Program Prerequisites (CPP) (16 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

BSC 2010C	Biology I	GEP
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311	Calculus with Analytic Geometry I	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

NOTE: These courses are considered to be equivalents:

<b>- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:</b>		
CHM 2045C	Chemistry Fundamentals I	4 hrs

or - Students with little chemistry background should take this two semester equivalent instead.

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

#### 3. Core Requirements: Basic Level (20 hrs)

##### Core Science and Mathematics Requirements

BSC 2010C	Biology I	GEP
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
MAC 2311	Calculus with Analytic Geometry I	GEP/CPP
MAC 2312	Calculus with Analytic Geometry II	CPP
STA 2023	Statistical Methods I	GEP
PHY 2048C	Physics for Engineers & Scientists I	GEP/CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP
PCB 3063	Genetics	3 hrs
PCB 3063L	Genetics Laboratory	1 hr
PCB 3233	Immunology	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 4537	Forensic Laboratory Quality Assurance	2 hrs
CHS 3595	Forensic Science in the Courtroom	3 hrs
CHS 3533	Forensic Biochemistry I	2 hrs
CHS 4591	Forensic Science Internship	4 hrs

##### B. Forensic Biochemistry Track: (27 hrs)

MCB 3020C	General Microbiology	5 hrs
BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
BCH 4103L	Biochemical Methods	2 hrs
PCB 3522	Molecular Biology I	3 hrs
PCB 4524	Molecular Biology II	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs
CHS 4534C	Forensic Biochemistry II	3 hrs
CHS 3533L	Forensic Biochemistry I Laboratory	1 hr

#### 5. Restricted Electives (3 hrs)

- Any course approved by the Forensic Program advisor. 3 hrs

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

##### Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

##### Graduation

- None

##### 8. Electives

- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.

- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2, 3, 4 and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 124

## Honors In Major

- None

## Related Programs

- Chemistry
- Forensic Science - Analysis Track
- Biomedical Sciences

## Certificates

- None

## Related Minors

- Chemistry
- Biomedical Sciences

## Advising Notes

- None

## Transfer Notes

- Lower Division courses 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 classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

## Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
- Before registering for Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
BSC 2010C	Biology I 4 hrs
ENC 1101	Composition I 3 hrs
MAC 2311	Calculus with Analytic Geometry I 4 hrs
CHM 2045C	Chemistry Fundamentals I 4 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
PHY 2048C	Physics for Engineers & Scientists I 4 hrs
CHM 2046	Chemistry Fundamentals II 3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory 1 hr
MAC 2312	Calculus with Analytic Geometry II 4 hrs
CHS 3501	Introduction to Forensic Science 3 hrs

<b>Sophomore Year - Fall</b>	<b>16 hrs</b>
GEP	3 hrs
SPC 1603	Fundamentals of Technical Presentations 3 hrs
STA 2023	Statistical Methods I 3 hrs
PHY 2049C	Physics for Engineers and Scientists II 4 hrs
CHM 2210	Organic Chemistry I 3 hrs

<b>Sophomore Year - Spring</b>	<b>16 hrs</b>
GEP	3 hrs
GEP	3 hrs

CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MCB 3020C	General Microbiology	5 hrs

<b>Junior Year - Fall</b>	<b>14 hrs</b>
PCB 3063	Genetics 3 hrs
PCB 3063L	Genetics Laboratory 1 hr
CHS 3505C	Forensic Microscopy 4 hrs
CHS 4537	Forensic Laboratory Quality Assurance 2 hrs
Restricted Elective	3 hrs
Free Elective	1 hr

<b>Junior Year - Spring</b>	<b>13 hrs</b>
ENC 1102	Composition II 3 hrs
GEP	3 hrs
CHS 3595	Forensic Science in the Courtroom 3 hrs
CHM 3120	Analytical Chemistry 3 hrs
CHM 3120L	Analytical Chemistry Laboratory 1 hr

<b>Senior Year - Fall</b>	<b>16 hrs</b>
PCB 3233	Immunology 3 hrs
PCB 3233L	Immunology Laboratory 1 hr
CHS 3533	Forensic Biochemistry I 2 hrs
BCH 4053	Biochemistry I 3 hrs
PCB 3522	Molecular Biology I 3 hrs
PCB 4524	Molecular Biology II 3 hrs
CHS 3533L	Forensic Biochemistry I Laboratory 1 hr

<b>Senior Year - Spring</b>	<b>15 hrs</b>
GEP	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

<b>Senior Year - Summer</b>	<b>4 hrs</b>
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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.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://ml.cah.ucf.edu/>

Dr. Paul Giordano

407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

## UCF Degree Programs

- 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)

<sup>1</sup> Required MGF 1106 Finite Mathematics 3 hrs

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP) (14 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

<sup>1</sup> FRE 1120C Elementary French Language and Civilization I 4 hrs

<sup>1</sup> FRE 1121C Elementary French Language and Civilization II 4 hrs

<sup>1</sup> FRE 2200 Intermediate French Language and Civilization I 3 hrs

<sup>1</sup> FRE 2201 Intermediate French Language and Civilization II 3 hrs

<sup>1</sup> \*May be met by proficiency test or completion of FRE 2201

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (21 hrs)

<sup>1</sup> FRE 3300 French Grammar 3 hrs

FRW 3100 Survey of French Literature I 3 hrs

<sup>1</sup> FRE 3780 French Phonetics and Diction 3 hrs

FOL 3730 Romance Philology 3 hrs

### Select 1: 3 hrs

<sup>1</sup> FRE 3420 French Composition or 3 hrs

FRE 4422 Advanced French Composition 3 hrs

### Select 1: 3 hrs

<sup>1</sup> FRE 3760 Advanced French Oral Communication or 3 hrs

FRE 4421 Advanced French Conversation 3 hrs

### Select 1: 3 hrs

FRW 3101 Survey of French Literature II or 3 hrs

FRW 3770 Francophone Literature 3 hrs

<sup>1</sup> 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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Spanish

- Modern Language Combination

#### Certificates

- None

#### Related Minors

- French

- German

- Italian

- Judaic Studies

- Latin American Area Studies

- Spanish

#### Advising Notes

- None

#### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.

- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study

- None

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## General Business (B.S.B.A.)

### College of Business Administration

### Department of Management, Business Administration

### II, Room: 101

<http://www.bus.ucf.edu/>

E-mail: [uss@bus.ucf.edu](mailto:uss@bus.ucf.edu)

407-823-2184

Not eligible for a double degree with another College of Business Administration major.

#### Admission Requirements

- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

- See Common Program Prerequisites

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs
Suggested	MAC 1140	Pre-Calculus Algebra	3 hrs

**D: Social Foundations (6 hrs)**

**Select 1: (3 hrs)**

Required	ECO 2013	Principles of Macroeconomics or	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

**Select one of the following sequences of courses:**

- Students must receive a "C" (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs
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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)**

**Core Classes 32 hrs**

**First or subsequent semester in the College of Business Administration:**

BUL 3130	Legal and Ethical Environment of Business and	4 hrs
ECO 3411	Quantitative Business Tools II and	4 hrs
FIN 3403C	Business Finance and	4 hrs
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business and	3 hrs
<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business and	1 hr
GEB 3375	Introduction to International Business and	4 hrs
MAN 3025	Management of Organizations and	4 hrs
MAR 3023	Marketing and	4 hrs
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

**Second Level Core 12 hrs**

- Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.

- Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.

**Economics: Must Select 3 hrs**

- ECP 4703 is required.

ECP 4703	Managerial Economics	3 hrs
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**Finance: Select One 3 hrs**

FIN 3303	Financial Markets or	3 hrs
FIN 3414	Intermediate Corporate Finance or	3 hrs
FIN 3504	Investment Analysis	3 hrs

**Management: Select One 3 hrs**

GEB 3113	How to Start a Business or	3 hrs
MAN 3301	Management of Human Resources or	3 hrs
MAN 4240	Organizations: Theory and Behavior or	3 hrs
MAN 4441	Conflict Resolution and Negotiation	3 hrs

**Marketing: Select One 3 hrs**

MAR 3403	Sales Force Management or	3 hrs
MAR 3613	Marketing Analysis and Research or	3 hrs
MAR 4156	International Marketing or	3 hrs
MAR 4841	Services Marketing	3 hrs

**5. Restricted Electives (12 hrs)**

- Restricted electives are to be taken from two different departments and from the courses listed above or below from Economics, at least two of the restricted electives must be at the 4000 level.

- Any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have prior written approval

ECO 3223	Money and Banking	3 hrs
ECP 3203	Labor Economics	3 hrs

**6. Capstone Requirements (4 hrs)**

MAN 4720	Strategic Management	4 hrs
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- This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs

<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
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MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

**7. Foreign Language Requirements**

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

**8. Electives**

- General electives as required to reach 120 semester hours.

**9. Additional Requirements**

- Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- None

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

# UCF Degree Programs

## Related Programs

- None

## Certificates

- None

## Related Minors

- None

## Advising Notes

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

## Transfer Notes

Courses taken at community colleges do not substitute for upper division courses.

Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.

Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program

Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

## Acceptable Substitutes for Transfer Courses

ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

## Plan of Study

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
ENC 1101 Composition I	3 hrs
<sup>1</sup> SPC 1608 Fundamentals of Oral Communication	3 hrs

<sup>1</sup> Must complete nine hours in a summer term.

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
CGS 2100C Computer Fundamentals for Business	3 hrs
ENC 1102 Composition II	3 hrs
MAC 1105C College Algebra	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
<sup>1</sup> ACG 2021 Principles of Financial Accounting	3 hrs
ECO 2023 Principles of Microeconomics	3 hrs

<sup>1</sup> \*\*C" (2.0) or better grade required in each class. Student should choose to major in one of the two areas of study below.

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
ACG 2071 Principles of Managerial Accounting	3 hrs
ECO 2013 Principles of Macroeconomics	3 hrs
ECO 3401 Quantitative Business Tools I	3 hrs

<b>Junior Year - Fall</b>	<b>16 hrs</b>
BUL 3130 Legal and Ethical Environment of Business	4 hrs
<sup>1</sup> GEB 3031 Cornerstone: Professional Skills for Business	3 hrs

<sup>2</sup> GEB 3031L Cornerstone Lab: Professional Skills for Business	1 hr
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MAN 3025 Management of Organizations	4 hrs
MAR 3203 Supply Chain Management	4 hrs

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

<b>Junior Year - Spring</b>	<b>15 hrs</b>
ECO 3411 Quantitative Business Tools II	4 hrs
FIN 3403C Business Finance	4 hrs
MAR 3023 Marketing	4 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
<sup>1</sup> GEB 3375 Introduction to International Business	4 hrs

<sup>1</sup> \*\*Students take 3 restrictive electives from approved list described above\*\*\*General electives as required to reach 120 semester hours.

<b>Senior Year - Spring</b>	<b>13 hrs</b>
ECP 4703 Managerial Economics	3 hrs
MAN 4720 Strategic Management	4 hrs

## Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/aic/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

# Health Informatics and Information Management (B.S.)

## College of Health and Public Affairs

### Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

<http://www.cohpa.ucf.edu/hmi/bshim.cfm>

Dr. Alice M. Noblin, [anoblin@mail.ucf.edu](mailto:anoblin@mail.ucf.edu)

407-823-2353

## Admission Requirements

Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.

UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.

This limited access program is work-intensive and 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)**

Suggested MAC 1105C College Algebra 3 hrs

Suggested STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations (6 hrs)**

**E: Science Foundations (7 hrs)**

Suggested	BSC 2010C	Biology I	4 hrs
Suggested	CHM 1032	General Chemistry	3 hrs

**2. Common Program Prerequisites (CPP) (17 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

<sup>1</sup> ZOO	Human Anatomy	4 hrs
3733C		
PCB 3703C	Human Physiology	4 hrs
STA 2014C	Principles of Statistics	GEP
<sup>1</sup> CGS	Computer Fundamentals for Business	3 hrs
2100C		
ACG 2071	Principles of Managerial Accounting	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs

<sup>1</sup> See Transfer Notes

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (66 hrs)**

HSC 3147	Introduction to Pharmacology	3 hrs
HSA 3170	Health Care Finance	3 hrs
HSA 4109	Principles of Managed Care	3 hrs
HSA 4191	Health Care Automation	3 hrs
HSA 4702	Health Sciences Research Methods	3 hrs
HSC 3537	Medical Terminology	3 hrs
HSC 4555	Pathophysiology I	3 hrs
HSC 4558	Pathophysiology II	3 hrs
HIM 3006	Foundations of Health Information Management (HIM)	3 hrs
HIM 3116C	Health Record Organization and Management	4 hrs
HIM 3806C	Professional Practice Experience I	3 hrs
HIM 4816C	Professional Practice Experience II	3 hrs
HIM 4226C	Coding Procedures I	5 hrs
HIM 4256C	Coding Procedures II	3 hrs
HIM 4676	Professional Development and Issues in Health Information Management	3 hrs
HIM 4344C	Health Information Department Management	4 hrs
HIM 4508C	Quality Management	3 hrs
HIM 4656C	Health Information Management Systems	3 hrs
HIM 4838	Management Affiliation	5 hrs

**Select 1: (3 hrs)**

HSA 4180	Organization & Management for Health Agencies I or	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, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Health Services Administration
- Business Administration
- Computer Science

**Certificates**

- None

**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 14 hrs**

ENC 1101	Composition I	3 hrs
CHM 1032	General Chemistry	3 hrs
HSC 2000	Introduction to the Allied Health Professions	2 hrs
MAC 1105C	College Algebra	3 hrs

**Select 1: (3 hrs)**

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

**Freshman Year - Spring 16 hrs**

ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
BSC 2010C	Biology I	4 hrs

**Select 1: (3 hrs)**

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

**Select 1: (3 hrs)**

POS 2041	American National Government or	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

**Sophomore Year - Fall 13 hrs**

ZOO 3733C	Human Anatomy	4 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs

**Select 1: (3 hrs)**

EUH 2001	Western Civilization II or	3 hrs
HUM 2230	Humanistic Tradition II or	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

**Sophomore Year - Spring 13 hrs**

ACG 2071	Principles of Managerial Accounting	3 hrs
PCB 3703C	Human Physiology	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

**Select 1: (3 hrs)**

ARH 2050	History of Western Art I or	3 hrs
ARH 2051	History of Western Art II or	3 hrs
MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs

## UCF Degree Programs

REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

### Junior Year - Fall 15 hrs

<sup>1</sup> HSA 4191	Health Care Automation	3 hrs
HIM 3006	Foundations of Health Information Management (HIM)	3 hrs
<sup>1</sup> HSC 3537	Medical Terminology	3 hrs
HSC 4555	Pathophysiology I	3 hrs

### Select 1: 3 hrs

<sup>1</sup> MAN 3025	Management of Organizations or	4 hrs
HSA 4180	Organization & Management for Health Agencies I	3 hrs

<sup>1</sup> The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

### Junior Year - Spring 15 hrs

HIM 4226C	Coding Procedures I	5 hrs
HIM 3116C	Health Record Organization and Management	4 hrs
HIM 3806C	Professional Practice Experience I	3 hrs
HSC 4558	Pathophysiology II	3 hrs

### Junior Year - Summer 6 hrs

HSA 4109	Principles of Managed Care	3 hrs
HSC 3147	Introduction to Pharmacology	3 hrs

### Senior Year - Fall 13 hrs

HIM 4344C	Health Information Department Management	4 hrs
HIM 4508C	Quality Management	3 hrs
HIM 4256C	Coding Procedures II	3 hrs
HIM 4656C	Health Information Management Systems	3 hrs

### Senior Year - Spring 12 hrs

HIM 4676	Professional Development and Issues in Health Information Management	3 hrs
HIM 4816C	Professional Practice Experience II	3 hrs
<sup>1</sup> HSA 4702	Health Sciences Research Methods	3 hrs
<sup>1</sup> HSA 3170	Health Care Finance	3 hrs

<sup>1</sup> The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

### Senior Year - Summer 5 hrs

HIM 4838	Management Affiliation	5 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/al/c/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/al/c/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$15.00 per term
- Full-Time Student: \$30.00 per term

## Health Sciences - Pre-Clinical Track (B.S.)

### College of Health and Public Affairs

### Department of Health Professions, Health and Public

### Affairs II, Room: 118

<http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtm>

Dr. Suha Saleh, 407-823-2747

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences.

### Admission Requirements

- None

### Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a "C."

### 1. UCF General Education Program (GEP) (38 hrs)

#### A: Communication Foundations (9 hrs)

Suggested	SPC 1608	Fundamentals of Oral Communication	3 hrs
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#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

<sup>1</sup> Required	MAC 1105C	College Algebra	3 hrs
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#### Select 1: 3 hrs

Required	STA 2014C	Principles of Statistics or	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

<sup>1</sup> Students must earn appropriate score on placement exam prior to enrolling in these classes.

#### D: Social Foundations (6 hrs)

Required	PSY 2012	General Psychology	3 hrs
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#### Select 1: 3 hrs

Required	ECO 2013	Principles of Macroeconomics or	3 hrs
Required	ECO 2023	Principles of Microeconomics	3 hrs

#### E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	PHY 2053C	College Physics I	4 hrs

### 2. Common Program Prerequisites (CPP) (3 hrs)

MAC 1114	College Trigonometry	3 hrs
BSC 2010C	Biology I	GEP
PSY 2012	General Psychology	GEP

#### Select 1: 3 hrs

STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

#### Select 1: 3 hrs

ECO 2023	Principles of Microeconomics or	GEP
ECO 2013	Principles of Macroeconomics	GEP

### 3. Core Requirements: Basic Level (20 hrs)

<sup>1</sup> CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
DEP 2004C	Developmental Psychology	3 hrs
HUN 2002	Modern Concepts in Nutrition	3 hrs
PHY 2053C	College Physics I	GEP
PHY 2054C	College Physics II	4 hrs

#### Select 1: 2 hrs

<sup>2</sup> HSC 2000	Introduction to the Allied Health Professions or	2 hrs
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HSC 4008	Professional Development in Health Professions	3 hrs
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<sup>1</sup> Students must earn appropriate score on placement exam prior to enrolling in these classes.

<sup>2</sup> For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

### 4. Core Requirements: Advanced Level (29 hrs)

HSA 4702	Health Sciences Research Methods	3 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
HSC 3211	Preventive Health Care	3 hrs
HSC 4555	Pathophysiology I	3 hrs



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 4730	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 4704C	Clinical Neuroanatomy and Neuroscience	4 hrs
ZOO 4753C	Vertebrate Histology	4 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

## 8. Electives

- Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- Interested students should consult with a faculty advisor

### Related Programs

- Biology
- Athletic Training

### Certificates

- None

### Related Minors

- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

### Advising Notes

- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

### Transfer Notes

- Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida community college may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

### Acceptable Substitutes for Transfer Courses

- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1020 and BSC 1020L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.

## UCF Degree Programs

- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

### Plan of Study

<b>Freshman Year - Fall</b>		<b>15 hrs</b>
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

<b>Freshman Year - Spring</b>		<b>16 hrs</b>
ENC 1102	Composition II	3 hrs
PSY 2012	General Psychology	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 2023	Statistical Methods I	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Sophomore Year - Fall</b>		<b>14 hrs</b>
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
DEP 2004C	Developmental Psychology	3 hrs
ZOO 3733C	Human Anatomy	4 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EUH 2000	Western Civilization I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
HUM 2210	Humanistic Tradition I	3 hrs

<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
PCB 3703C	Human Physiology	4 hrs
HUN 2002	Modern Concepts in Nutrition	3 hrs
HSC 3147	Introduction to Pharmacology	3 hrs
MAC 1114	College Trigonometry	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Junior Year - Fall</b>		<b>13 hrs</b>
PHY 2053C	College Physics I	4 hrs
HSC 4555	Pathophysiology I	3 hrs
Restricted Elective		3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

<b>Junior Year - Spring</b>		<b>16 hrs</b>
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

<b>Senior Year - Fall</b>		<b>15 hrs</b>
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

<b>Senior Year - Spring</b>		<b>15 hrs</b>
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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Health Services Administration (B.S.)

### College of Health and Public Affairs

#### Department of Health Management and Informatics, Health and Public Affairs II, Room: 210

<http://www.cohpa.ucf.edu/hmi/>

#### E-mail: [hsainfo@mail.ucf.edu](mailto:hsainfo@mail.ucf.edu)

Dr. Reid Oeljen, Undergraduate Program Director

Dr. Myron Fottler, Executive Director of HSA Programs  
407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit <http://learn.ucf.edu>. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see <http://distrib.ucf.edu/home>.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

#### 1. UCF General Education Program (GEP) (36 hrs)

<b>A: Communication Foundations (9 hrs)</b>	
Prefer SPC 1608	Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

<b>C: Mathematical Foundations (6 hrs)</b>	
Suggested MAC 1105C	College Algebra 3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
Suggested CGS 1060C	Introduction to Computer Science or	3 hrs

Suggested CGS 2100C	Computer Fundamentals for Business	3 hrs
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#### D: Social Foundations (6 hrs)

Suggested ECO 2023	Principles of Microeconomics	3 hrs
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<b>Select 1:</b>		<b>3 hrs</b>
Prefer PSY 2012	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.

ECO 2023	Principles of Microeconomics	GEP
ACG 2071	Principles of Managerial Accounting	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs
STA 2023	Statistical Methods I	3 hrs

**Select 1:**

CGS 2100C	Computer Fundamentals for Business or	GEP
CGS 1060C	Introduction to Computer Science	GEP

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (48 hrs)**

- Students must earn a "C" (2.0) or better in each Core Requirement

HSA 3111	U.S. Health Care Systems	3 hrs
HSA 3170	Health Care Finance	3 hrs
HSA 3222	Long Term Care and Administration	3 hrs
HSA 3430	Health Care Economics	3 hrs
HSA 4109	Principles of Managed Care	3 hrs
HSC 4201	Community Health	3 hrs
HSA 4180	Organization & Management for Health Agencies I	3 hrs
HIM 4508C	Quality Management	3 hrs
HSA 4702	Health Sciences Research Methods	3 hrs
HSC 3537	Medical Terminology	3 hrs
HSC 4500	Epidemiology	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
HSC 4652	Health Law and Ethics	3 hrs
HSA 4184	Organization & Management for Health Agencies II	3 hrs
HSA 4191	Health Care Automation	3 hrs
HSA 4850	Health Services Administration Internship	1 hr

**5. Restricted Electives**

- None

**6. Capstone Requirements (3 hrs)**

HSA 4939	Health Services Administration Capstone	3 hrs
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**7. Foreign Language Requirements**
**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- Students who transfer with an AA degree from a Florida public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

**8. Electives**

- Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Students must earn a "C" (2.0) or better in each Health Services Administration course.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- Interested students should consult with a faculty advisor.

**Related Programs**

- Public Administration
- Health Informatics and Information Management

**Certificates**

- Aging Studies

**Related Minors**

- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

**Advising Notes**

- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of 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**

<b>Freshman Year - Fall</b>		<b>14 hrs</b>
ENC 1101	Composition I	3 hrs
HSC 2000	Introduction to the Allied Health Professions	2 hrs
MAC 1105C	College Algebra	3 hrs
Free Elective		3 hrs

**Select 1: (3 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 2300	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
ACG 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	3 hrs

**Sophomore Year - Spring (12 hrs)**

ACG 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	3 hrs

**Sophomore Year - Summer (8 hrs)**

<b>Select 1: (3 hrs)</b>		<b>3 hrs</b>
Elective / Minor		3 hrs
<sup>1</sup> Foreign Language		4 hrs

**Select 1: (3 hrs)**

Elective / Minor		3 hrs
<sup>1</sup> Foreign Language		4 hrs

<sup>1</sup> 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

## UCF Degree Programs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
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

<b>Senior Year - Fall</b>		<b>15 hrs</b>
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

<b>Senior Year - Spring</b>		<b>15 hrs</b>
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.oegas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/aic/academic_learning_compacts.htm)

## History (B.A.)

### College of Arts and Humanities

**Department of History, Colbourn Hall, Room: 551**

<http://www.history.cah.ucf.edu/>

**E-mail: [history@mail.ucf.edu](mailto:history@mail.ucf.edu)**

Dr. Rosalind J. Beiler  
407-823-2225

### Admission Requirements

■ None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

Required AMH 2010 U.S. History: 1492-1877 3 hrs

Required AMH 2020 U.S. History: 1877-Present 3 hrs

Select one course from 1.B.1 list 3 hrs

**C: Mathematical Foundations (6 hrs)**

<sup>1</sup> Prefer MGF 1106 Finite Mathematics 3 hrs

Prefer CGS 1060C Introduction to Computer Science 3 hrs

<sup>1</sup> (may substitute a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP)**

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

AMH 2010 U.S. History: 1492-1877 GEP

AMH 2020 U.S. History: 1877-Present GEP

**3. Core Requirements: Basic Level (6 hrs)**

Select one of the following sequences of courses:

■ Select one sequence

EUH 2000 Western Civilization I and 3 hrs

EUH 2001 Western Civilization II 3 hrs

or

WOH 2012 World Civilization I and 3 hrs

WOH 2022 World Civilization II 3 hrs

**4. Core Requirements: Advanced Level (3 hrs)**

HIS 4150 History and Historians 3 hrs

**5. Restricted Electives (21 hrs)**

■ (Must be taken within the History Department)

Select six hours of approved history courses within three of 4 geographic regions 18 hrs

Asian, African, and Middle Eastern or 6 hrs

British and European or 6 hrs

Latin American or 6 hrs

U.S. and Canadian 6 hrs

■ Select three hours of approved history courses

**6. Capstone Requirements**

■ None

**7. Foreign Language Requirements**

**Admissions**

■ Met by graduation requirement

**Graduation**

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

**8. Electives**

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ Maintain a minimum GPA of 2.0 in upper division required courses attempted.

■ Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.

■ Computer competency met by completion of the major.

■ Students must complete at least 18 of the required 36 History credit hours at UCF.

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

■ None

**Related Programs**

■ Humanities

**Certificates**

■ None

**Related Minors**

■ African American Studies

■ Asian Studies

■ Humanities

■ Judaic Studies

■ Latin American Area Studies

- Women's Studies
- American 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**

<sup>1</sup> AMH 2010 U.S. History: 1492-1877 3 hrs

may be substituted with:

<sup>2</sup> AMH 2020 U.S. History: 1877-Present 3 hrs

may be substituted with:

<sup>1</sup> AMH 2010 is a prerequisite for subsequent American History courses.

<sup>2</sup> AMH 2020 is a prerequisite for subsequent American History courses.

**Plan of Study**

- One of numerous possible plans of study. See program description for all requirements.

**Freshman Year - Fall 15 hrs**

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

**Freshman Year - Spring 15 hrs**

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

**Sophomore Year - Fall 16 hrs**

SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
GEP		3 hrs
Core Course		3 hrs
CGS 1060C	Introduction to Computer Science	3 hrs
Restricted Elective		3 hrs

**Sophomore Year - Spring 16 hrs**

SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs
Core Course		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

**Junior Year - Fall 15 hrs**

HIS 4150	History and Historians	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

**Junior Year - Spring**

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 13 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/alca/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alca/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>

**E-mail: [hospitality@mail.ucf.edu](mailto:hospitality@mail.ucf.edu)**

Dr. Fevzi Okumus, Department Chair

Dr. Abraham Pizam, Dean

407-903-8000

**Admission Requirements**

- None

**Degree Requirements**

- None

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

Required MAC 1105C College Algebra 3 hrs

**Select 1: 3 hrs**

Required CGS 2100C Computer Fundamentals for Business or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations (6 hrs)**

**Select 1: 3 hrs**

Required ECO 2013 Principles of Macroeconomics or 3 hrs

Required ECO 2023 Principles of Microeconomics 3 hrs

**Select 1: 3 hrs**

Required PSY 2012 General Psychology or 3 hrs

Required SYG 2000 Introduction to Sociology or 3 hrs

Required ANT 2000 General Anthropology 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.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

**3. Core Requirements: Basic Level (34 hrs)**

**Hospitality Management Core 34 hrs**

FSS 2221C Techniques of Food Preparation 4 hrs

HFT 3540 Guest Services Management I 3 hrs

HFT 2401 Hospitality Industry Financial Accounting 3 hrs

HFT 3431 Hospitality industry Managerial Accounting 3 hrs

HFT 2500 Hospitality and Tourism Marketing 3 hrs

HFT 2220 Hospitality Human Resources Management 3 hrs

HFT 3444 Hospitality Information Systems 3 hrs

HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs

HFT 4464 Hospitality Industry Finance 3 hrs

HFT 4286 Hospitality Communications 3 hrs

HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

**Quantitative Tools**

MAC 1105C College Algebra GEP

**Select 1:**

CGS 2100C Computer Fundamentals for Business or GEP

STA 2023 Statistical Methods I GEP

**Select 1:**

ECO 2013 Principles of Macroeconomics or GEP

ECO 2023 Principles of Microeconomics GEP

**4. Core Requirements: Advanced Level (21 hrs)**

**Sectoral Core (Choose 6 of the Following 7) 18 hrs**

**Select 6: 18 hrs**

HFT 2254 Lodging Operations or 3 hrs

HFT 3700 Tourism Management or 3 hrs

HFT 2750 The Event Industry 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

## UCF Degree Programs

<b>Internships</b>		<b>3 hrs</b>
HFT 3940	Internship	1 hr
HFT 4941	Internship	1 hr
HFT 4944	Practicum	1 hr

### 5. Restricted Electives (15 hrs)

■ Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

#### Restricted Electives 15 hrs

■ Students must take 15 credit hours (five courses) from the following:

FSS 3008	Culture and Cuisine	3 hrs
FSS 4135	Corporate Contract and Managed Services Organizations	3 hrs
FSS 4286C	Catering and Banquet Organization	3 hrs
HFT 3353	Golf Planning & Operations I	3 hrs
HFT 3354	Agronomy for Golf Course Management	3 hrs
HFT 3355	Golf Planning & Operations II	3 hrs
HFT 3357	Golf & Club Event Operations	3 hrs
HFT 3384	Golf and Club Enterprises Management	3 hrs
HFT 3654	Franchising in the Restaurant Industry	3 hrs
HFT 3741	Meeting Management	3 hrs
HFT 3798	Fairs and Festivals	3 hrs
HFT 3868	History and Culture of Wine	3 hrs
HFT 4253	Hotel Operations	3 hrs
HFT 4266	Restaurant Brand Management	3 hrs
HFT 4268	Case Studies in Restaurant Management	3 hrs
HFT 4274	Resort Management	3 hrs
HFT 4281	Restaurant Leadership Strategies and Tactics	3 hrs
HFT 4343	Hospitality Facilities Planning and Design	3 hrs
HFT 4358	Golf & Club Facility Design	3 hrs
HFT 4432	Hospitality Industry Auditing	3 hrs
HFT 4473	Hotel Development Analysis	3 hrs
HFT 4522	Resort Sales Tactics and Strategies	3 hrs
HFT 4532	Managing the Employee Experience in the Theme Park and Attraction Industry	3 hrs
HFT 4561	Destination Marketing	3 hrs
HFT 4614	Risk Management in Theme Parks and Attractions	3 hrs
HFT 4735	Tourism Geography	3 hrs
HFT 4736	Destination Management	3 hrs
HFT 4754	Exhibit and Trade Show Operations	3 hrs
HFT 4759	Product Development in Theme Parks and Attractions	3 hrs
HFT 4762	Current Practices in the Airline Industry	3 hrs
HFT 4786	Managing the Guest Experience in the Theme Park and Attraction Industry	3 hrs
HFT 4787	Operational Issues in the Theme Park and Attraction Industry	3 hrs
HFT 4795	Entertainment Arts and Events	3 hrs
HFT 4796	International Events	3 hrs
HFT 4864	Seminar in Quality Brewing and Fine Beer	3 hrs
HFT 4866C	Exploring Wines of the World	3 hrs
HFT 4894	International Gastronomy	3 hrs
HUN 3013	Nutrition Concepts and Issues in the Food Service Industry	3 hrs

### Specialized Tracks 15 hrs

■ Or Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

#### Theme Park and Attraction Management Track 15 hrs

HFT 4532	Managing the Employee Experience in the Theme Park and Attraction Industry or Risk Management in Theme Parks and Attractions or Product Development in Theme Parks and Attractions or Managing the Guest Experience in the Theme Park and Attraction Industry or Operational Issues in the Theme Park and Attraction Industry or Entertainment Arts and Events	3 hrs
HFT 4614	Risk Management in Theme Parks and Attractions or	3 hrs
HFT 4759	Product Development in Theme Parks and Attractions or	3 hrs
HFT 4786	Managing the Guest Experience in the Theme Park and Attraction Industry or	3 hrs
HFT 4787	Operational Issues in the Theme Park and Attraction Industry or	3 hrs
HFT 4795	Entertainment Arts and Events	3 hrs

#### Golf and Club Management Track 15 hrs

HFT 3353	Golf Planning & Operations I or	3 hrs
HFT 3354	Agronomy for Golf Course Management or	3 hrs
HFT 3355	Golf Planning & Operations II or	3 hrs
HFT 3357	Golf & Club Event Operations or	3 hrs

HFT 3384	Golf and Club Enterprises Management or	3 hrs
HFT 4358	Golf & Club Facility Design	3 hrs

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

### 8. Electives

■ 3-11 hours as necessary to result in 120 total credit hours.

### 9. Additional Requirements

■ Final exams will be given during Exam Week only.

■ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ None

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

#### Honors In Major

■ None

#### Related Programs

■ None

#### Certificates

■ None

#### Related Minors

■ None

#### Advising Notes

■ None

#### Transfer Notes

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.

■ Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.

■ A minimum of 30 semester hours must be completed at UCF within the hospitality major.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

■ Acceptable Substitutes for Transfer Courses

■ None

#### Plan of Study

■ Plan your required nine summer credit hours into your course of study.

#### Freshman Year - Fall 12 hrs

ENC 1101 Composition I 3 hrs

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Select 1: 3 hrs

CGS 2100C Computer Fundamentals for Business or 3 hrs

STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs

PSY 2012 General Psychology or 3 hrs

SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs
<b>Freshman Year - Spring</b> <span style="float: right;"><b>15 hrs</b></span>		
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
<b>Sophomore Year - Fall</b> <span style="float: right;"><b>15 hrs</b></span>		
HFT 2220	Hospitality Human Resources Management	3 hrs
AST 2002	Astronomy	3 hrs
<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
<b>Select 1:</b> <span style="float: right;"><b>3 hrs</b></span>		
HFT 2254	Lodging Operations or	3 hrs
HFT 2750	The Event Industry	3 hrs
<b>Sophomore Year - Spring</b> <span style="float: right;"><b>13 hrs</b></span>		
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
<b>Junior Year - Fall</b> <span style="float: right;"><b>14 hrs</b></span>		
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	1 hr
<b>Junior Year - Spring</b> <span style="float: right;"><b>16 hrs</b></span>		
HFT 4941	Internship	1 hr
<b>Select 4:</b> <span style="float: right;"><b>12 hrs</b></span>		
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
<b>Senior Year - Fall</b> <span style="float: right;"><b>15 hrs</b></span>		
HFT 4286	Hospitality Communications	3 hrs
HFT 4464	Hospitality Industry Finance	3 hrs
HFT 4944	Practicum	1 hr
<b>Senior Year - Spring</b> <span style="float: right;"><b>15 hrs</b></span>		
HFT 4295	Leadership and Strategic Management in Hospitality Industry	3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alca/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$37.50 per term
- Full-Time Student: \$75 per term

## Humanities (B.A.)

### College of Arts and Humanities

**Department of Philosophy, Psychology Building, Room: 220**

<http://www.philosophy.cah.ucf.edu/>

**E-mail: philosophy@mail.ucf.edu**

Dr. Doug Evans  
407-823-2273

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a C (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

Suggested	HUM 2210	Humanistic Tradition I	3 hrs
Suggested	HUM 2230	Humanistic Tradition II	3 hrs

#### Select 1: 3 hrs

Prefer	PHI 2010	Introduction to Philosophy or	3 hrs
Prefer	REL 2300	World Religions	3 hrs

#### C: Mathematical Foundations (6 hrs)

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (may substitute a higher level math)

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP)

- None

#### 3. Core Requirements: Basic Level (6 hrs)

HUM 2210	Humanistic Tradition I	GEP
HUM 2230	Humanistic Tradition II	GEP
HUM 2020	Encountering the Humanities	3 hrs
HUM 4933	Senior Research Seminar	3 hrs

#### 4. Core Requirements: Advanced Level (24 hrs)

- Concentrations (choose one):

- Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

#### Classical Humanities 24 hrs

#### Western Traditions and Applications 9 hrs

ARH 4310	Italian Renaissance Art or	3 hrs
ARH 4170	Greek & Roman Art or	3 hrs
HUM 3552	Christian Thought or	3 hrs
REL 3553	Moses, Jesus and Muhammad or	3 hrs
CLT 3370	Classical Mythology or	3 hrs
CLT 3378	Comparative Mythology or	3 hrs
JST 3401	Jewish People in Antiquity or	3 hrs
REL 3432	Roots of Western Mysticism or	3 hrs
<sup>1</sup> PHH 3100	Ancient Philosophy or	3 hrs
<sup>1</sup> PHH 3200	Medieval Philosophy or	3 hrs
<sup>1</sup> 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
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#### Select 2: 6 hrs

HUM 3431	Ancient Humanities or	3 hrs
HUM 3435	Medieval Humanities or	3 hrs
HUM 3255	Modern Humanities	3 hrs

<sup>1</sup> Only one of these courses may be taken.

# UCF Degree Programs

<b>Multicultural Humanities Traditions and Applications</b>	<b>24 hrs</b>
ANT 3311 Indians of the Southeastern United States	3 hrs
or	
ARH 3520 African Art	3 hrs
HUM 3401 Asian Humanities	3 hrs
HUM 3417 Hindu Thought and Culture	3 hrs
HUM 3419 Islamic Thought and Culture	3 hrs
REL 3553 Moses, Jesus and Muhammad	3 hrs
HUM 3460 Latin American Humanities	3 hrs
JST 3401 Jewish People in Antiquity	3 hrs
PHH 3701 Native American Philosophy	3 hrs
PHM 3123 Feminist Theories	3 hrs
PHI 3790 African Philosophy	3 hrs

<b>Foundations</b>	<b>3 hrs</b>
HUM 3320 Contemporary Multicultural Studies	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
HUM 3431 Ancient Humanities	3 hrs
HUM 3435 Medieval Humanities	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
HUM 3252 Contemporary Humanities	3 hrs
HUM 3255 Modern Humanities	3 hrs

<b>Critical Humanities</b>	<b>24 hrs</b>
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<b>Foundations</b>	<b>9 hrs</b>
HUM 3255 Modern Humanities	3 hrs
HUM 3252 Contemporary Humanities	3 hrs
PHI 4804 Critical Theory	3 hrs

<b>Traditions and Applications</b>	<b>15 hrs</b>
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HUM 4330 Performance Theory	3 hrs
HUM 4554 Religious Quest and Human Dilemma	3 hrs
HUM 3394 Representations of Place and Space	3 hrs
PHH 3510 Marx and Nietzsche	3 hrs
PHI 3638 Ethical Issues in the 21st Century	3 hrs
PHI 3033 Philosophy, Religion, and the Environment	3 hrs
or	
PHM 3022 Sexuality, Gender & Philosophy	3 hrs
PHM 3123 Feminist Theories	3 hrs
PHP 3786 Existentialism	3 hrs
PHP 4782 Phenomenology	3 hrs
REL 3111 Religion and Philosophy Through Film	3 hrs
REL 3115 Religion, Spirituality, and Popular Music	3 hrs

<b>5. Restricted Electives</b>	<b>(3 hrs)</b>
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■ 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.

<b>Select 1:</b>	<b>3 hrs</b>
HUM 4303 The Spiritual Ideal	3 hrs
PHI 3700 Philosophy of Religion	3 hrs
PHI 3800 Aesthetics	3 hrs
Or other courses as approved by advisor	3 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Met by graduation requirement

### Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

## 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Earn a "C" (2.0) or better in each required course.
- Departmental Exit Exam in final semester.

- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

■ Computer Competency met by one of the following:		
HUM 4970H Undergraduate Honors Thesis		3 hrs
HUM 4933 Senior Research Seminar		3 hrs
STA 1060C Basic Statistics Using Microsoft Excel		3 hrs

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major (33 hrs)

- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

### Honors Thesis

HUM 4903H Honors Directed Reading I	3 hrs
HUM 4970H Undergraduate Honors Thesis	3 hrs

### Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following:

HUM 4903H Honors Directed Reading I	3 hrs
HUM 4970H Undergraduate Honors Thesis	3 hrs

## Core and Elective Requirements 33 hrs

- Same requirements as for regular majors.

### Related Programs

- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

### Certificates

- None

### Related Minors

- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

<b>Freshman Year - Fall</b>	<b>16 hrs</b>
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

<b>Freshman Year - Spring</b>	<b>16 hrs</b>
ENC 1102 Composition II	3 hrs
HUM 2230 Humanistic Tradition II	3 hrs



STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
	Foreign Language	4 hrs
<b>Select 1:</b>		<b>3 hrs</b>
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs
<b>Sophomore Year - Fall</b>		<b>12 hrs</b>
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs
<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
<b>Junior Year - Fall</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Supporting Elective		3 hrs
<b>Junior Year - Spring</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Supporting Elective		3 hrs
<b>Senior Year - Fall</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
<b>Senior Year - Spring</b>		<b>16 hrs</b>
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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

### College of Arts and Humanities

**Department of Philosophy, Psychology Building, Room: 220**

<http://www.philosophy.cah.ucf.edu/>

**E-mail: [philosophy@mail.ucf.edu](mailto:philosophy@mail.ucf.edu)**

Dr. Doug Evans, [dkevans@mail.ucf.edu](mailto:dkevans@mail.ucf.edu), 407-823-2273

Dr. Shelley Park (Cocoa Campus), [spark@mail.ucf.edu](mailto:spark@mail.ucf.edu), 321-433-7919

### Admission Requirements

■ None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.

■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

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

#### C: Mathematical Foundations (6 hrs)

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (May substitute a higher level math course)

#### 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 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 or	3 hrs
PHI 2108	Critical Thinking	3 hrs

##### Religion (6 hrs)

CLT 3378	Comparative Mythology or	3 hrs
HUM 3552	Christian Thought or	3 hrs
REL 3553	Moses, Jesus and Muhammad or	3 hrs
HUM 3417	Hindu Thought and Culture or	3 hrs
HUM 3419	Islamic Thought and Culture or	3 hrs
HUM 4303	The Spiritual Ideal or	3 hrs
HUM 4554	Religious Quest and Human Dilemma or	3 hrs
PHI 3750	The Problem of Evil	3 hrs

##### Popular Culture Studies (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 3252	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
PHM 3401	Philosophy of Law or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3683	Philosophy of Friendship or	3 hrs
PHM 3020	Philosophy of Love or	3 hrs
PHM 3123	Feminist Theories or	3 hrs

## UCF Degree Programs

PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
REL 3131	Religion in America	3 hrs

### 5. Restricted Electives

- None

### 6. Capstone Requirements

HUM 4933	Senior Research Seminar	(3 hrs) 3 hrs
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### 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 1060C	Basic Statistics Using Microsoft Excel	3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors in Major

Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

#### a. Core Requirements, Popular Culture and Capstone 33 hrs

- Same requirements as for regular majors

#### b. Honors Thesis 6 hrs

HUM 4903H	Honors Directed Reading I	3 hrs
HUM 4970H	Undergraduate Honors Thesis	3 hrs

#### c. Additional Requirements of Honors in the Major

- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
- Earn a "B" (3.0) or better in both of the following:
 

HUM 4903H	Honors Directed Reading I	3 hrs
HUM 4970H	Undergraduate Honors Thesis	3 hrs

#### Related Programs

- Humanities
- Philosophy
- Religious Studies

#### Certificates

- None

#### Related Minors

- Humanities
- Philosophy
- Religious Studies

#### Advising Notes

- None

#### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study

- None

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeras.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm)

## 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](mailto:william.thompson@ucf.edu)  
407-823-2204

#### Admission Requirements

- None

#### Degree Requirements

Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is 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 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 3032	Probability and Statistics for Engineers	3 hrs

#### D: Social Foundations (6 hrs)

Select 1:			3 hrs
Prefer	ECO 2013	Principles of Macroeconomics	3 hrs
		or	
Prefer	ECO 2023	Principles of Microeconomics	3 hrs
Select one class from Social Foundations 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.

<sup>1</sup> MAC 2311	Calculus with Analytic Geometry I	GEP
<sup>1</sup> MAC 2312	Calculus with Analytic Geometry II	4 hrs
<sup>1</sup> MAC 2313	Calculus with Analytic Geometry III	4 hrs
<sup>1</sup> MAP 2302	Differential Equations	3 hrs
<sup>1</sup> PHY 2048C	Physics for Engineers & Scientists I	GEP
<sup>1</sup> PHY 2049C	Physics for Engineers and Scientists II	4 hrs

**Select 1:** 4 hrs  
<sup>2</sup> CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs  
 or  
<sup>1</sup> CHM 2045C Chemistry Fundamentals I 4 hrs

<sup>1</sup> A 2.0 cumulative GPA or better is required for this course.  
<sup>2</sup> Preferred

**3. Core Requirements: Basic Level** (2 hrs)  
**Engineering Core: Basic**

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

**4. Core Requirements: Advanced Level** (59 hrs)  
**Courses Required for the Major** 59 hrs

■ The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in all courses in this section with a prefix of EIN, ESI and STA.

EGN 3613	Engineering Economic Analysis	2 hrs
EGN 4624	Engineering Administration	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EIN 3001	Introduction to Industrial Engineering and Management Systems	3 hrs
EIN 3314	Work Analysis and Design	3 hrs
EIN 3354	Principles of Cost Engineering	3 hrs
ESI 4628C	Industrial Engineering Applications of Computers	3 hrs
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
<sup>1</sup> 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

<sup>1</sup> Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

**5. Restricted Electives** (4 hrs)

■ Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

**6. Capstone Requirements**

■ None

**7. Foreign Language Requirements**

**Admissions**

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

■ None

**8. Electives**

■ None

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements** (6 hrs)

EIN 4516C	Systems Analysis and Design	3 hrs
EIN 4891C	Industrial Engineering Senior Design Project	3 hrs

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA  
 ■ 60 semester hours earned after CLEP awarded  
 ■ 48 semester hours of upper division credit completed  
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF  
 ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
 ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 128

**Honors In Major**

■ None

**Related Programs**

■ Mechanical Engineering

**Certificates**

■ None

**Related Minors**

■ 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 2311	Calculus with Analytic Geometry I	4 hrs
CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs

**Freshman Year - Spring** 12 hrs

ENC 1102	Composition II	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
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## UCF Degree Programs

<b>Select 1:</b>		<b>3 hrs</b>
ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

<b>Sophomore Year - Fall</b>		<b>14 hrs</b>
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

<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
MAP 2302	Differential Equations	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EIN 4517	Systems Engineering	3 hrs
EIN 4243C	Human Engineering	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
SPC 1608	Fundamentals of Oral Communication or	3 hrs
SPC 1603	Fundamentals of Technical Presentations	3 hrs

<b>Sophomore Year - Summer</b>		<b>8 hrs</b>
EGN 3613	Engineering Economic Analysis	2 hrs
GEP		3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
EIN 3314	Work Analysis and Design	3 hrs
EIN 4391	Manufacturing Engineering	3 hrs
EIN 3354	Principles of Cost Engineering	3 hrs
ESI 4312	Operations Research	3 hrs
ESI 4628C	Industrial Engineering Applications of Computers	3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
EIN 4364	Facilities Planning	3 hrs
ESI 4221	Empirical Methods for Industrial Engineering	3 hrs
ESI 4523C	Systems Simulation	3 hrs
EIN 4333	Production and Distribution Systems	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EGN 3358	Thermo-Fluids-Heat Transfer or	3 hrs
EGN 3343	Thermodynamics	3 hrs

<b>Junior Year - Summer</b>		<b>6 hrs</b>
GEP		3 hrs
GEP		3 hrs

<b>Senior Year - Fall</b>		<b>13 hrs</b>
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

<b>Senior Year - Spring</b>		<b>12 hrs</b>
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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Information Technology (B.S.)

### College of Engineering and Computer Science

### Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

<http://www.eecs.ucf.edu/>

**E-mail: [undergraduate@eecs.ucf.edu](mailto:undergraduate@eecs.ucf.edu)**

Dr. Ali Orooji

Julie Faris

407-823-3327

### Admission Requirements

- None

### Degree Requirements

- "C" (2.0) or better required in all prerequisites and courses required for the major.

- Students should consult with a departmental advisor.

- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.

- 12 of the 24 Residency hours must be at the 4000-5000 level.

### 1. UCF General Education Program (GEP) (37 hrs)

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

#### Select 1: (3 hrs)

Prefer	SPC 1603	Fundamentals of Technical Presentations or	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

Required	STA 2023	Statistical Methods I	3 hrs
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#### Select 1: (3 hrs)

Suggested	MAC 1105C	College Algebra or	3 hrs
Suggested	MAC 1140	Pre-Calculus Algebra	3 hrs

#### D: Social Foundations (6 hrs)

Required	ECO 2013	Principles of Macroeconomics	3 hrs
Required	PSY 2012	General Psychology	3 hrs

#### E: Science Foundations (7 hrs)

Required	PHY 2053C	College Physics I	4 hrs
Select one class from Science Foundations			3 hrs

### 2. Common Program Prerequisites (CPP) (15 hrs)

- A "C" (2.0) or better is required in all these courses.

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

MAC 1114	College Trigonometry	3 hrs
ECO 2013	Principles of Macroeconomics	GEP
PSY 2012	General Psychology	GEP
PHY 2053C	College Physics I	GEP
COP 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	GEP

#### Select 1: (3 hrs)

MAD 2104	Foundations of Discrete Math or	3 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (51 hrs)

- A "C" (2.0) or better is required in all these courses.

#### Core Requirements (45 hrs)

COP 3502C	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
<b>Support Courses</b>		<b>6 hrs</b>
■ A "C" (2.0) or better is required in all these courses.		
<b>Select 1:</b>		<b>3 hrs</b>
ENC 4293	Documentation and the Collaborative Process or	3 hrs
ENC 4265	Writing for the Computer Industry or	3 hrs
ENC 4414	Writing and Hypertext or	3 hrs
ENC 4415	Digital Rhetorics and The Modern Dialectic	3 hrs
<b>Select 1:</b>		<b>3 hrs</b>
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
<b>5. Restricted Electives</b>		<b>(6 hrs)</b>
■ 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.		
<b>6. Capstone Requirements</b>		
■ None		
<b>7. Foreign Language Requirements</b>		
<b>Admissions</b>		
■ None		
<b>Graduation</b>		
■ None		
<b>8. Electives</b>		
■ Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.		
<b>9. Additional Requirements</b>		
■ None		
<b>10. Required Minors</b>		
■ None		
<b>11. Departmental Exit Requirements</b>		
■ Complete an exit interview with an assigned faculty advisor		
■ Computer competency met by completion of major		
<b>12. University Minimum Exit Requirements</b>		
■ A 2.0 UCF GPA		
■ 60 semester hours earned after CLEP awarded		
■ 48 semester hours of upper division credit completed		
■ 30 of the last 39 hours of course work must be completed in residency at UCF		
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.		
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)		
<b>Total Semester Hours Required</b>		
■ 120		
<b>Honors In Major</b>		
■ None		
<b>Related Programs</b>		
■ Computer Engineering		
■ Computer Science		
<b>Certificates</b>		
■ None		
<b>Related Minors</b>		
■ Computer Science		
■ Interdisciplinary Informatics Technology		
■ Secure Computing and Networks		
<b>Advising Notes</b>		
■ None		
<b>Transfer Notes</b>		
■ 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		
<b>Plan of Study</b>		
<b>Freshman Year - Fall</b>		
ENC 1101	Composition I	3 hrs
SPC 1603	Fundamentals of Technical Presentations	3 hrs
COP 3223	Introduction to Programming with C	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
MAC 1105C	College Algebra or	3 hrs
MAC 1140	Pre-Calculus Algebra	3 hrs

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
ENC 1102	Composition II	3 hrs
MAC 1114	College Trigonometry	3 hrs
COP 3502C	Computer Science I	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
PSY 2012	General Psychology	3 hrs

<b>Sophomore Year - Fall</b>		<b>16 hrs</b>
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

<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
CGS 3269	Computer Architecture Concepts	3 hrs
STA 2023	Statistical Methods I	3 hrs
CGS 2545C	Database Concepts	3 hrs
GEP		3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
CAP 4104	Human and Technology Interaction	3 hrs
EEL 3041	Circuit Analysis	3 hrs
CNT 3004	Computer Network Concepts	3 hrs
CIS 3360	Security in Computing	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Junior Year - Spring</b>		<b>15 hrs</b>
CIS 4313	Managing IT Integration	3 hrs
PHI 3626	Advanced Ethics in Science and Technology	3 hrs
GEP		3 hrs
CGS 3763	Operating System Concepts	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Senior Year - Fall</b>		<b>15 hrs</b>
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

<b>Senior Year - Spring</b>		<b>14 hrs</b>
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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

# UCF Degree Programs

## Interdisciplinary Studies (B.A. / B.S.)

### Office of Undergraduate Studies

### Office of Interdisciplinary Studies, Classroom I,

Room: 302

<http://www.is.ucf.edu>

E-mail: [is@mail.ucf.edu](mailto:is@mail.ucf.edu)

407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via online courses. For more information, see <http://online.ucf.edu/>.

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
- Students must earn at least a "C" (2.0) in each core and restricted elective course
- Students must consult with an Interdisciplinary Studies adviser to enter the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- No courses can count in more than one subject area or in a subject area and a minor
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
C: Mathematical Foundations	(6 hrs)
D: Social Foundations	(6 hrs)
E: Science Foundations	(6 hrs)
2. Common Program Prerequisites (CPP)	
■ None	
3. Core Requirements: Basic Level	(6 hrs)
IDS 3933 Cornerstone Experience	3 hrs
IDS 4934 Capstone Experience	3 hrs

#### 4. Core Requirements: Advanced Level

- None

#### 5. Restricted Electives (30 hrs)

- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
- Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.

- See the Interdisciplinary Studies Advising Team for details regarding each area:

- Arts
- Behavioral and Social Sciences
- Commerce
- Communication
- Computational Sciences
- Education
- Engineering
- Health
- Humanities
- Letters and Modern Languages
- Physical Sciences
- Life/Biomedical Sciences
- Public Affairs

#### 6. Capstone Requirements

- None

#### 7. Foreign Language Requirements

##### Admissions

- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

##### Graduation

- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives

- Select primarily from upper level courses, with an Interdisciplinary Studies adviser's approval.

#### 9. Additional Requirements

- None

#### 10. Required Minors

- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

#### 11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women's Studies Track

#### Certificates

- None

#### Related Minors

- Most UCF minors

#### Advising Notes

- None

## 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/alca/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alca/academic_learning_compacts.htm)

## Interdisciplinary Studies - Environmental Studies

### Track (B.S.)

#### Office of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom I,

Room: 302

<http://www.is.ucf.edu>

E-mail: [is@mail.ucf.edu](mailto:is@mail.ucf.edu)

407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

## Admission Requirements

■ None

## Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog

■ Students must have declared an Interdisciplinary Studies major at least one semester before graduation

■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major

■ Co-op credit cannot be used in the major

■ Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas

■ Students must consult with an Interdisciplinary Studies adviser when entering the program

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

<sup>1</sup> Required MAC 1105C College Algebra 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

<sup>1</sup> may take a higher level math

D: Social Foundations (6 hrs)

Required SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs

Required ECO 2013 Principles of Macroeconomics 3 hrs

or

Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs

## 2. Common Program Prerequisites (CPP)

■ None

## 3. Core Requirements: Basic Level (11 hrs)

■ Core for Environmental Studies:

### Physical/Mathematical Sciences

CHM 2045C Chemistry Fundamentals I GEP

MAC 1105C College Algebra GEP

PSC 1121 Physical Science 3 hrs

STA 2023 Statistical Methods I GEP

### Life Sciences

BSC 2010C Biology I GEP

BSC 2011C Biology II 4 hrs

PCB 3044 Principles of Ecology 3 hrs

PCB 3044L Principles of Ecology Laboratory 1 hr

### Social Science & Humanities

SYG 2000 Introduction to Sociology GEP

Select 1: 3 hrs

Required ECO 2013 Principles of Macroeconomics or GEP

Required ECO 2023 Principles of Microeconomics GEP

## 4. Core Requirements: Advanced Level (19 hrs)

### Environmental Studies Fundamentals

IDS 3150 Foundations of Environmental Studies 3 hrs

ECP 3302 Economics and the Environment 3 hrs

GIS 3043C GIS for Environmental Studies 3 hrs

GIS 4301C Advanced GIS Applications in 4 hrs

Environmental Studies

PUP 3203 Environmental Politics 3 hrs

SYD 4510 Environment and Society 3 hrs

## 5. Restricted Electives (18 hrs)

■ Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

■ Select eighteen hours in one concentration.

### Science Concentration

■ Note: This subject area is available only to Interdisciplinary Studies -

Environmental Studies track majors.

BCH 4053 Biochemistry I 3 hrs

BCH 4054 Biochemistry II 3 hrs

BOT 3152C Local Flora 3 hrs

BOT 3802 Ethnobotany 3 hrs

BOT 4156C Florida Wildflowers 4 hrs

BOT 4303C Plant Kingdom 5 hrs

BOT 4686C Conservation and Management of Native 4 hrs

Plants

BOT 4713C Plant Taxonomy 5 hrs

BSC 4312C Marine Biology 4 hrs

CHM 3120 Analytical Chemistry 3 hrs

OCE 3008 Oceanography 3 hrs

PCB 3063 Genetics 3 hrs

PCB 3304C River Ecology 4 hrs

PCB 3442 Aquatic Ecology 3 hrs

PCB 4302C Physiochemical Limnology 4 hrs

PCB 4683 Evolutionary Biology 4 hrs

PCB 4723 Animal Physiology 4 hrs

PCB 5045 Conservation Biology 4 hrs

PCB 5326C Ecosystems of Florida 5 hrs

PCB 3314 Marine Bio Diversity 3 hrs

PCB 4303C Biological Limnology 4 hrs

### Values, Planning, & Policy Concentration

■ Note: This subject area is available only to Interdisciplinary Studies -

Environmental Studies track majors.

ANT 3541 Biobehavioral Anthropology 3 hrs

BOT 3802 Ethnobotany 3 hrs

ECP 4303 Environmental and Natural Resource 3 hrs

Economics

ENC 3211 Theory and Practice of Technical Writing 3 hrs

ENC 3241 Writing for the Technical Professional 3 hrs

ENC 4360 Nature Writing 3 hrs

GIS 4035C Remote Sensing of the Environment 3 hrs

INR 4351 International Environmental Law 3 hrs

## UCF Degree Programs

PAD 3330	Urban and Regional Planning	3 hrs
PAD 4351	Issues in Environmental Program Management	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
PHI 3640	Environmental Ethics	3 hrs
PHI 4400	Philosophy of Science	3 hrs
PHI 4633	Ethics and Biological Science	3 hrs
PHM 4031	Environmental Philosophy	3 hrs
PLA 4554	Environmental Law	3 hrs
PUP 4204	Sustainability	3 hrs
PUP 4209	Urban Environmental Policy	3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

#### Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

### 8. Electives

- Select primarily from upper level courses, with adviser approval

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

#### Certificates

- None

#### Related Minors

- All minors

#### Advising Notes

- None

#### Transfer Notes

- 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.oas.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alca/academic_learning_compacts.htm)

## Interdisciplinary Studies - Women's Studies Track (B.A.)

### Office of Undergraduate Studies

### Office of Interdisciplinary Studies, Classroom 1, Room: 302

### Program in Women's Studies, Colburn Hall, Room: 411

<http://www.is.ucf.edu>

E-mail: [is@mail.ucf.edu](mailto:is@mail.ucf.edu)

E-mail: [womenst@mail.ucf.edu](mailto:womenst@mail.ucf.edu)

Interdisciplinary Studies Advising Team, 407-823-0144

Dr. M.C. Santana, 407-823-2260

Interdisciplinary Studies - Women's Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level

- None

5. Restricted Electives (36 hrs)

- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.

- Students must complete one subject area from those specified in the Second Study Area below.

- Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).

- Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color Area 18 hrs

- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

WST 3460 Women, Race and Struggle 3 hrs

Select 5: 15 hrs

AML 3614 Topics in African-American Literature or 3 hrs

ANT 4308 Gender Issues in Latin America or 3 hrs

ASH 4304 Women in China or 3 hrs



AML 3682 Ethnic Literature in America or 3 hrs  
 SYD 3751 North American Indian Women Today 3 hrs  
 Other courses approved by the Interdisciplinary Studies  
 Advising Team

## First Study Area - Women's Studies Cognate Area 18 hrs

■ Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

### Select 6: 18 hrs

■ Other courses may be utilized for this area with the permission of the director.

■ Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.

AML 3614 Topics in African-American Literature or 3 hrs  
 AML 3682 Ethnic Literature in America or 3 hrs  
 AML 4261 Literature of the South or 3 hrs  
 ANT 3212 Peoples of the World or 3 hrs  
 CCJ 4129 Cultural Diversity in Criminal Justice or 3 hrs  
 CCJ 4681 Domestic Violence and the Justice System 3 hrs

or

EUH 3242 Modern Europe and the First World War or 3 hrs  
 HSC 3593 HIV Disease: A Human Concern or 3 hrs  
 LIT 5556 Advanced Feminist Theories or 3 hrs  
 LIN 4643 Cross Cultural Communication or 3 hrs  
 PEM 2405 Self Defense for Women and Men or 3 hrs  
 PHI 3640 Environmental Ethics or 3 hrs  
 PHI 3670 Ethical Theory or 3 hrs  
 PHI 4300 Theories of Knowledge or 3 hrs  
 PUP 3314 Minorities in American Politics or 3 hrs  
 SOP 2772 Sexual Behavior or 3 hrs  
 SOP 3784 Psychology of Diversity or 3 hrs  
 SYD 3700 Race and Ethnicity or 3 hrs  
 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 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 1060C Introduction to Computer Science 3 hrs  
 STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed  
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ 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.oeads.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm)

## International and Global Studies (B.A.)

### College of Sciences

**Department of Political Science, Howard Phillips Hall,**

**Room: 302**

**<http://www.cos.ucf.edu/politicalscience>**

**E-mail: [politics@ucf.edu](mailto:politics@ucf.edu)**

Dr. Roger Handberg

407-823-2608

### Admission Requirements

■ None

### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog

■ Co-op or internship credit cannot be used in this major without prior departmental approval

■ Students should consult with a departmental advisor

■ Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

### Double major/dual degree policy in Political Science programs and minors:

■ Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:

POS 2041 American National Government 3 hrs  
 POS 3703 Scope and Methods of Political Science 3 hrs

■ Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course.

POS 2041 American National Government 3 hrs

# UCF Degree Programs

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
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>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
<b>Math:</b>	<b>3 hrs</b>
Prefer MGF 1106 Finite Mathematics or	3 hrs
Prefer MGF 1107 Explorations in Mathematics or	3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.	3 hrs
<b>Statistics:</b>	<b>3 hrs</b>
Prefer STA 2014C Principles of Statistics or	3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel or	3 hrs
May substitute a more advanced STA course.	3 hrs
<b>D: Social Foundations</b>	<b>(6 hrs)</b>
Prefer POS 2041 American National Government	3 hrs
Required One course from GEP D.2 list	3 hrs
<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<b>2. Common Program Prerequisites (CPP)</b>	
■ None	
<b>3. Core Requirements: Basic Level</b>	<b>(6 hrs)</b>
INR 2002 International Relations-Theory and Practice	3 hrs
POS 2041 American National Government	GEP
ECO 2013 Principles of Macroeconomics	3 hrs
<b>4. Core Requirements: Advanced Level</b>	<b>(15 hrs)</b>
GEO 3471 World Political Geography	3 hrs
IDS 4315 Global Perspectives	3 hrs
CPO 3103 Comparative Politics	3 hrs
POS 3703 Scope and Methods of Political Science	3 hrs
INR 4603 International Relations Theory	3 hrs
<b>5. Restricted Electives</b>	<b>(18 hrs)</b>
■ Note: Students must meet all prerequisites before taking these classes.	
■ Other courses may be substituted with the chair's approval.	
<b>Regional</b>	<b>9 hrs</b>
■ 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 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
POS 3253 Contemporary Revolution and Political Violence	3 hrs
CPO 4514 Politics of East Asia	3 hrs
<b>Functional</b>	<b>9 hrs</b>
■ Select from the following listing:	
INR 3253 International Politics of Africa	3 hrs
INR 4030 Diplomacy	3 hrs
INR 4350 Global Environmental Politics	3 hrs
INR 4054 Global Politics of Energy	3 hrs
INR 4074 Immigration Policy	3 hrs
INR 4075 Human Rights Policy	3 hrs
INR 4076 Global Drug Policy	3 hrs
INR 4304 Issues in International Public Policy	3 hrs
INR 4364 The Intelligence Community	3 hrs
INR 4714 Politics of International Trade Policy	3 hrs
INR 4035 International Political Economy	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 4335 Coercion in International Politics	3 hrs
INR 4351 International Environmental Law	3 hrs
INR 4401 International Law I	3 hrs
INR 4402 International Law II	3 hrs
INR 4404 Space Law	3 hrs
INR 4502 International Organizations	3 hrs
<sup>1</sup> INR 4941 Internship	3 hrs
PUP 4503 Government and Science	3 hrs
PUP 4510 Space Policy	3 hrs
INR 4084 Politics of International Terrorism	3 hrs

<sup>1</sup> 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: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

## 9. Additional Requirements

- None

## 10. Required Minors

- Select from the following minors (18 hours min)
- No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.
- Asian Studies
- French
- German
- International Business
- Italian
- European Studies
- Latin American Area Studies
- Middle Eastern Studies
- Spanish

## 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- Interested students who meet the requirements are encouraged to participative 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.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study (120 hrs)

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall 16 hrs

POS 2041	American National Government	3 hrs
ENC 1101	Composition I	3 hrs
WOH 2012	World Civilization I	3 hrs
MGF 1107	Explorations in Mathematics	3 hrs
	Foreign Language	4 hrs

### Freshman Year - Spring 16 hrs

ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
	Foreign Language	4 hrs
WOH 2022	World Civilization II	3 hrs
INR 2002	International Relations-Theory and Practice	3 hrs

### Sophomore Year - Fall 16 hrs

ECO 2013	Principles of Macroeconomics	3 hrs
	Foreign Language	4 hrs
GEO 3471	World Political Geography	3 hrs
POS 3703	Scope and Methods of Political Science	3 hrs
	GEP	3 hrs

### Sophomore Year - Spring 16 hrs

	Foreign Language	4 hrs
IDS 4315	Global Perspectives	3 hrs
CPO 3103	Comparative Politics	3 hrs
INR 4603	International Relations Theory	3 hrs
	GEP	3 hrs

### Junior Year - Fall 15 hrs

	Restricted Elective	3 hrs
	GEP	3 hrs
	Elective / Minor	3 hrs
	Restricted Elective	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>

**E-mail: communication@mail.ucf.edu**

Dr. Jim Katt, Area Coordinator, [jkatt@mail.ucf.edu](mailto:jkatt@mail.ucf.edu)

Rebecca Morales, Academic Support, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu)

407-823-2681

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Required	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

#### Statistics: (3 hrs)

Required	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Required	STA 2014C	Principles of Statistics	3 hrs

#### Math: (3 hrs)

Suggested	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 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)

SPC 1608	Fundamentals of Oral Communication	GEP
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#### Statistics: (3 hrs)

STA 1060C	Basic Statistics Using Microsoft Excel or	GEP
STA 2014C	Principles of Statistics	GEP

#### Computer Science: (3 hrs)

CGS 2100C	Computer Fundamentals for Business or	3 hrs
CGS 2585C	Desktop/Internet Publishing or	3 hrs
CGS 3175	Internet Applications	3 hrs

### 4. Core Requirements: Advanced Level (12 hrs)

#### Take all of the following: (12 hrs)

COM 3011C	Communication and Human Relations and	3 hrs
COM 3120	Organizational Communication and	3 hrs
COM 3311	Communication Research Methods and	3 hrs
SPC 3301	Interpersonal Communication	3 hrs

# UCF Degree Programs

<b>5. Restricted Electives</b>	<b>(27 hrs)</b>
<b>Internal Restricted Electives:</b>	<b>21 hrs</b>
■ Select from the following list:	
COM 3013 Communication and the Family	3 hrs
COM 3022 Health Communication	3 hrs
COM 3110 Business and Professional Communication	3 hrs
COM 3332 Communication, Technology, and Change	3 hrs
COM 3406 Role of Motivation in Communication	3 hrs
COM 4014 Gender Issues in Communication	3 hrs
COM 4416 Terrorism and Communication	3 hrs
COM 4461 Intercultural Communication	3 hrs
COM 4462 Conflict Management	3 hrs
SPC 3445 Leadership Through Oral Communication	3 hrs
SPC 3513C Argumentation and Debate	3 hrs
SPC 4331 Nonverbal Communication	3 hrs
SPC 4426 Group Dynamics	3 hrs
SPC 4540 Attitudes and Communication	3 hrs

**A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:**

COM 4941 Internship or	3 hrs
COM 4906 Directed Independent Study or	3 hrs
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 3250 Professional Writing or	3 hrs
ENC 3311 Advanced Expository Writing or	3 hrs
ENC 3241 Writing for the Technical Professional	3 hrs
Other upper division COM or SPC courses with prior approval of department advisor.	3 hrs

**External Restricted Electives** **6 hrs**

■ A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal - Organizational area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Met by graduation requirement.

### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

## 8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- None

## Certificates

- None

## Related Minors

- Interpersonal/Organizational Communication
- Mass Communication

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

## Freshman Year - Fall

ENC 1101 Composition I	3 hrs
MGF 1107 Explorations in Mathematics	3 hrs
Foreign Language	4 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs

## Freshman Year - Spring

ENC 1102 Composition II	3 hrs
STA 2014C Principles of Statistics	3 hrs
GEP	3 hrs
Foreign Language	4 hrs
Free Elective	3 hrs

## Sophomore Year - Fall

Free Elective	3 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
Free Elective	4 hrs

## Sophomore Year - Spring

Free Elective	3 hrs
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
CGS XXXX Computer course	3 hrs

## Junior Year - Fall

COM 3011C Communication and Human Relations	3 hrs
COM 3311 Communication Research Methods	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

## Junior Year - Spring

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
COM 3120 Organizational Communication	3 hrs
SPC 3301 Interpersonal Communication	3 hrs

## Senior Year - Fall

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

## Senior Year - Spring

Restricted Elective	3 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

**Journalism (B.A.)**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**<http://communication.cos.ucf.edu>**

**E-mail: [journalism@mail.ucf.edu](mailto:journalism@mail.ucf.edu)**

Dr. Steve Collins, Area Coordinator, [scollins@mail.ucf.edu](mailto:scollins@mail.ucf.edu)  
 Rebecca Morales, Academic Support, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu)  
 407-823-2681

**Admission Requirements**

- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF's Counseling and Testing Center unless they have AP credit in English or an "A-" or better in both of the following courses:
 

ENC 1101	Composition I	3 hrs
ENC 1102	Composition II	3 hrs

**Application Deadlines:**

- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- July 1 to be admitted the next fall term

**Degree Requirements**

- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.

- |   |                 |
|---|-----------------|
| <b>1. UCF General Education Program (GEP)</b>   | <b>(36 hrs)</b> |
| <b>A: Communication Foundations</b>   | <b>(9 hrs)</b>  |
| <b>Composition: Complete both courses.</b>  | <b>6 hrs</b>    |
| Required ENC 1101 Composition I and   | 3 hrs           |
| Required ENC 1102 Composition II  | 3 hrs           |
| <b>Speech:</b>  | <b>3 hrs</b>    |
| Required SPC 1608 Fundamentals of Oral Communication  | 3 hrs           |
| <b>B: Cultural &amp; Historical Foundations</b>   | <b>(9 hrs)</b>  |
| <b>Group 1: Select a course from group 1.</b>   | <b>3 hrs</b>    |
| Prefer AMH 2010 U.S. History: 1492-1877 or  | 3 hrs           |
| Prefer AMH 2020 U.S. History: 1877-Present  | 3 hrs           |
| <b>Group 2: Select a course from group 2.</b>   | <b>3 hrs</b>    |
| <b>Group 3: Select a third course from either group 1 or 2.</b>                                     | <b>3 hrs</b>    |
| <b>C: Mathematical Foundations</b>  | <b>(6 hrs)</b>  |
| <b>Statistics-Computers:</b>  | <b>3 hrs</b>    |
| Suggested CGS 1060C Introduction to Computer Science or   | 3 hrs           |
| Prefer STA 2014C Principles of Statistics   | 3 hrs           |
| <b>Math:</b>  | <b>3 hrs</b>    |
| Suggested 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 Exam.          | 3 hrs           |
| <b>D: Social Foundations</b>  | <b>(6 hrs)</b>  |
| <b>Group 1:</b>   | <b>3 hrs</b>    |
| Prefer POS 2041 American National Government  | 3 hrs           |
| <b>Group 2: Select a listed course</b>  | <b>3 hrs</b>    |
| <b>E: Science Foundations</b>   | <b>(6 hrs)</b>  |
| <b>2. Common Program Prerequisites (CPP)</b>  |                 |
| ■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information. |                 |
| <b>Complete the following:</b>  |                 |
| SPC 1608 Fundamentals of Oral Communication   | GEP             |
| <b>3. Core Requirements: Basic Level</b>  | <b>(12 hrs)</b> |
| ■ Must earn at least a "C" (2.0) in these courses in order to enroll in subsequent courses          |                 |
| ■ Grammar Proficiency must be satisfied before enrolling in JOU 2100C.                              |                 |
| ■ These courses may be completed before acceptance into the program.                                |                 |
| JOU 2100C News Reporting  | 3 hrs           |
| JOU 3004 History of American Journalism   | 3 hrs           |
| MMC 2004 Mass Media   | 3 hrs           |
| VIC 3001 Visual Communication   | 3 hrs           |
| <b>4. Core Requirements: Advanced Level</b>   | <b>(6 hrs)</b>  |
| ■ These courses may be completed either before or after acceptance into the program.                |                 |
| JOU 4700 Journalism Ethics  | 3 hrs           |
| MMC 3200 Mass Communication Law   | 3 hrs           |
| <b>5. Restricted Electives</b>  | <b>(18 hrs)</b> |
| ■ These courses can only be completed after acceptance into the program.                            |                 |
| <b>Select courses from the following:</b>   | <b>18 hrs</b>   |
| JOU 3101 Advanced Reporting   | 3 hrs           |
| JOU 3201 Editing I  | 3 hrs           |
| JOU 3202 Editing II   | 3 hrs           |
| JOU 3510 Magazine Publishing  | 3 hrs           |
| JOU 4181 Public Affairs Reporting   | 3 hrs           |
| JOU 4224 Magazine Editing and Production  | 3 hrs           |
| JOU 4300 Feature Writing  | 3 hrs           |
| JOU 4342C Converged Journalism  | 3 hrs           |
| JOU 4941 Internship   | 3 hrs           |
| PGY 3610C Photojournalism I   | 3 hrs           |
| Any JOU or PGY prefix writing, photojournalism, or editing course                                   | 3 hrs           |
| <b>6. Capstone Requirements</b>   |                 |
| ■ None  |                 |
| <b>7. Foreign Language Requirements</b>   |                 |
| <b>Admissions</b>   |                 |
| ■ Met by graduation requirement   |                 |

# UCF Degree Programs

## Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

## 8. Electives

- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

## 9. Additional Requirements

- None

## 10. Required Minors

- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the faculty.

- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

## 11. Departmental Exit Requirements

- Acceptance of portfolio by faculty.

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.

- Achieve an overall "C" GPA (2.0) in courses taken within the school used to satisfy the major.

- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- English - Creative Writing

- English - Technical Communication

## Certificates

- None

## Related Minors

- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.

- English - Creative Writing

- English - Linguistics

- English - Literature

- English - Technical Communication

- Writing and Rhetoric

- History

- Magazine Journalism

- Political Science

- Sociology

## Advising Notes

- It is the student's responsibility to ensure that course prerequisites have been satisfied before registering for a class.

- Students are urged to contact their school advisor before registering for courses.

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

## Freshman Year - Fall 16 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
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ENC 1101	Composition I	3 hrs
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MGF 1107	Explorations in Mathematics	3 hrs
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GEP		3 hrs
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Foreign Language		4 hrs
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## Freshman Year - Spring 16 hrs

ENC 1102	Composition II	3 hrs
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Foreign Language		4 hrs
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STA 2014C	Principles of Statistics	3 hrs
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GEP		3 hrs
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Elective / Minor		3 hrs
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Apply for admission to the major

## Sophomore Year - Fall 15 hrs

JOU 2100C	News Reporting	3 hrs
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GEP		3 hrs
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GEP		3 hrs
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GEP		3 hrs
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Elective / Minor		3 hrs
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## Sophomore Year - Spring 15 hrs

JOU 3004	History of American Journalism	3 hrs
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GEP		3 hrs
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GEP		3 hrs
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Elective / Minor		3 hrs
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Elective / Minor		3 hrs
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## Junior Year - Fall 15 hrs

Elective / Minor		3 hrs
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Restricted Elective		3 hrs
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Restricted Elective		3 hrs
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Free Elective		3 hrs
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MMC 2004	Mass Media	3 hrs
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## Junior Year - Spring 15 hrs

Elective / Minor		3 hrs
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Restricted Elective		3 hrs
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Free Elective		3 hrs
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VIC 3001	Visual Communication	3 hrs
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MMC 3200	Mass Communication Law	3 hrs
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## Senior Year - Fall 15 hrs

Elective / Minor		3 hrs
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Restricted Elective		3 hrs
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Restricted Elective		3 hrs
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Free Elective		3 hrs
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JOU 4700	Journalism Ethics	3 hrs
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## Senior Year - Spring 13 hrs

Restricted Elective		3 hrs
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Free Elective		4 hrs
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Free Elective		3 hrs
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Free Elective		3 hrs
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## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$22 per term

- Full-Time Student: \$44 per term

**Latin American Studies (B.A.)**

**College of Arts and Humanities**

**Colburn Hall, Room: 406E and F**

**<http://las.cah.ucf.edu/>**

**E-mail: [latinamerica@mail.ucf.edu](mailto:latinamerica@mail.ucf.edu)**

Dr. Jose M. Maunez-Cuadra, [jmaunez@mail.ucf.edu](mailto:jmaunez@mail.ucf.edu), 407-823-1173  
407-823-1174

**Admission Requirements**

- None

**Major Requirements 15 hrs**

ANT 4332	People and Cultures of Latin America	3 hrs
GEA 4405	Geography of Latin America	3 hrs
LAH 3200	Modern Latin America	3 hrs
LAS 2001	Topics in Latin American Studies	3 hrs
LAS 3101	Latin American Popular Culture	3 hrs

- In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a "C"(2.0) in each required course.
- Students should consult with the program director.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

<b>A: Communication Foundations (9 hrs)</b>	
<b>B: Cultural &amp; Historical Foundations (9 hrs)</b>	
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 1060C Basic Statistics Using Microsoft Excel 3 hrs
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**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	ANT 2000 General Anthropology 3 hrs
Prefer	POS 2041 American National Government 3 hrs

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP)**

- None

**3. Core Requirements: Basic Level (3 hrs)**

LAS 2001	Topics in Latin American Studies 3 hrs
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**4. Core Requirements: Advanced Level (12 hrs)**

ANT 4332	People and Cultures of Latin America 3 hrs
GEA 4405	Geography of Latin America 3 hrs
LAH 3200	Modern Latin America 3 hrs
LAS 3101	Latin American Popular Culture 3 hrs

**5. Restricted Electives (21 hrs)**

- Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.
- Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
- Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

**AREA ONE: 12 hrs**

**ANTHROPOLOGY**

ANT 3160	Americas Before Columbus 3 hrs
ANT 3161	Archaeology of Mexico 3 hrs

ANT 3163	Mesoamerican Archaeology 3 hrs
ANT 3164	Ancient Incas 3 hrs
ANT 3165	Archaeology of South America 3 hrs
ANT 3168	Maya Archaeology 3 hrs
ANT 3319	Anthropology of Diaspora 3 hrs
ANT 3330	Cultural Ecology of Amazonia 3 hrs
ANT 3344	Puerto Rican Culture 3 hrs
ANT 4266	Economic Anthropology: Production, Consumption, and Exchange 3 hrs
ANT 4308	Gender Issues in Latin America 3 hrs
ANT 4340	Caribbean Cultures 3 hrs

**HISTORY**

LAH 3130	Latin American History I 3 hrs
LAH 3400	History of Mexico and Central America 3 hrs
LAH 3470	History of the Caribbean 3 hrs
LAH 4136	Colonial Florida 3 hrs
LAH 4512	Modern Argentina 3 hrs
LAH 4461	History of Puerto Rico 3 hrs
LAH 4480	History of Cuba 3 hrs
LAH 4742	The Mexican Revolution 3 hrs
LAH 4780	Poverty and Development in Latin America 3 hrs

**Spanish and Spanish Literature**

- Students can choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

**AREA TWO: 9 hrs**

- (Select no more than 6 credit hours of courses with the same prefix)

**ART HISTORY**

ARH 2051	History of Western Art II 3 hrs
ARH 3670	20th Century Latin American Art 3 hrs
ARH 3673	Modern Art of Mexico 3 hrs
ARH 3674	Latin American Popular Visual Culture 3 hrs
ARH 4653	Meso American Art 3 hrs

**ENGLISH**

AML 3615	Harlem, Haiti, and Havana 3 hrs
AML 3682	Ethnic Literature in America 3 hrs
AML 4630	Latino/Latina Literature 3 hrs
LIT 3192	Caribbean Literature 3 hrs
LIT 3381	Women Writers of Color 3 hrs
LIT 3823	Hispanic Women Writers 3 hrs

**HUMANITIES**

HUM 3460	Latin American Humanities 3 hrs
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**INTERNATIONAL RELATIONS**

INR 4243	International Politics of Latin America 3 hrs
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**LATIN AMERICAN STUDIES**

LAS 4023	African Caribbean Experience 3 hrs
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**POLITICS**

CPO 3034	Politics of Developing Areas 3 hrs
CPO 3103	Comparative Politics 3 hrs
CPO 4047	Politics of the NAFTA Region 3 hrs
CPO 4074	Political Economy 3 hrs
CPO 4794	Indigenous Politics and the Environment 3 hrs
CPO 4303	Comparative Latin American Politics 3 hrs

**PUBLIC POLICY**

PUP 3314	Minorities in American Politics 3 hrs
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**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.

## UCF Degree Programs

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### 7. Foreign Language Requirements

#### Admissions

- Foreign Language Requirement: (0 -14 hrs)
- LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

#### Graduation

- None

### 8. Electives

- Variable
- Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Entrepreneurship: For Non-Business Majors
  - Environmental Studies
  - Finance
  - Health Informatics and Information Management
  - International Business
  - Leadership Studies
  - Marketing
  - Public Administration
  - Spanish
  - Technological Entrepreneurship
  - Urban and Regional Planning
  - Women's Studies

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Anthropology
- History
- Political Science
- Modern Language Combination

- Art - History Track
- Interdisciplinary Studies

#### Certificates

- None

#### Related Minors

- No more than six (6) hours can overlap between the major and the minor
- Accounting
- Digital Media
- Economics
- Emergency Management and Homeland Security
- Energy and Sustainability
- Entrepreneurship: For Non-Business Majors
- Environmental Studies
- Finance
- Health Informatics and Information Management
- International Business
- Leadership Studies
- Marketing
- Music
- Public Administration
- Spanish
- Technological Entrepreneurship
- Urban and Regional Planning
- Women's Studies

#### Advising Notes

- None

#### Transfer Notes

- Lower division courses 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.o eas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

## Legal Studies (B.A. / B.S.)

### College of Health and Public Affairs

### Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 343

<http://www.cohpa.ucf.edu/legalstudies/index.shtml>

**E-mail: [legalstudies@ucf.edu](mailto:legalstudies@ucf.edu)**

Dr. David Slaughter

407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System



- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- 33 hours of PLA coursework must be taken at UCF
- 2.0 in all PLA work at UCF and overall

## 1. UCF General Education Program (GEP) (36 hrs)

<b>A: Communication Foundations (9 hrs)</b>			
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

## B: Cultural & Historical Foundations (9 hrs)

## C: Mathematical Foundations (6 hrs)

## D: Social Foundations (6 hrs)

## E: Science Foundations (6 hrs)

## 2. Common Program Prerequisites (CPP)

- None

## 3. Core Requirements: Basic Level

- None

## 4. Core Requirements: Advanced Level (18 hrs)

- All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

PLA 3014	Law and the Legal System	3 hrs
PLA 3108	Legal Research	3 hrs
PLA 3155	Legal Writing	3 hrs
PLA 3205	Civil Practice and Procedure	3 hrs
PLA 3615	Property and Real Estate Law	3 hrs
PLA 4703	Professional Ethics and Liability	3 hrs

## 5. Restricted Electives

### Upper Division Restricted Electives 21 hrs

- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

### Supporting Courses 9 hrs

- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student's advisor.

### Specializations

- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:

- Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and 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
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## 7. Foreign Language Requirements

### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

## 8. Electives

- If students chose the following electives, they must complete them with a minimum grade of a "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

- Second Bachelor's degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- Interested students should consult with their faculty advisor.

## Related Programs

- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

## Certificates

- Undergraduate Certificate in Public and Professional Writing

## Related Minors

- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

## Advising Notes

- None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

<b>Freshman Year - Fall</b>		<b>14 hrs</b>
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

<b>Select 1:</b>		<b>3 hrs</b>
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
BSC 1005	Biological Principles or	3 hrs
MCB 1310	Introduction to Biotechnology and Genetic Engineering	3 hrs

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
ENC 1102	Composition II	3 hrs
CGS 1060C	Introduction to Computer Science	3 hrs
Free Elective		3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ECO 2013	Principles of Macroeconomics or	3 hrs
POS 2041	American National Government or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

## UCF Degree Programs

**Sophomore Year - Fall** 16 hrs  
 SPC 1608 Fundamentals of Oral Communication 3 hrs  
 Free Elective 3 hrs

**Select 1:** 3 hrs  
 PSC 1121 Physical Science or 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  
 Restricted Elective 3 hrs  
 Restricted Elective 3 hrs  
 Supporting Elective 3 hrs

**Senior Year - Fall** 15 hrs  
 PLA 4703 Professional Ethics and Liability 3 hrs  
 Supporting Elective 3 hrs  
 Elective / Minor 3 hrs  
 Elective / Minor 3 hrs  
 Internship or Restricted Elective 3 hrs

**Senior Year - Spring** 15 hrs  
 PLA 4935 Capstone: Legal Issues 3 hrs  
 Restricted Elective 3 hrs  
 Elective / Minor 3 hrs  
 Elective / Minor 3 hrs  
 Internship or Restricted Elective 3 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Management (B.S.B.A.)

### College of Business Administration

### Department of Management, Business Administration II, Room: 101

<http://www.bus.ucf.edu/>  
 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

■ Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College  
 ■ See Common Program Prerequisites

### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.  
 ■ Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.

■ Students wanting to major in Management must apply for admission to the major.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

■ Students must earn at least a 2.0 GPA in the major and COB.

■ Students majoring in Management must earn a grade of "C" (2.0) or better in the following courses and each course applied towards the major:

MAN 3025	Management of Organizations	4 hrs
MAN 4720	Strategic Management	4 hrs

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

Required	CGS 2100C	Computer Fundamentals for Business	3 hrs
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Required	MAC 1140	Pre-Calculus Algebra	3 hrs
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#### D: Social Foundations (6 hrs)

#### Select 1: 3 hrs

Required	ANT 2000	General Anthropology or	3 hrs
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Required	PSY 2012	General Psychology or	3 hrs
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Required	SYG 2000	Introduction to Sociology	3 hrs
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#### Select 1: 3 hrs

Required	ECO 2013	Principles of Macroeconomics or	3 hrs
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Required	ECO 2023	Principles of Microeconomics	3 hrs
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#### 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
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ACG 2071	Principles of Managerial Accounting	3 hrs
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CGS 2100C	Computer Fundamentals for Business	3 hrs
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ECO 2013	Principles of Macroeconomics	3 hrs
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ECO 2023	Principles of Microeconomics	3 hrs
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#### Select one of the following sequences of courses:

■ Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.

ECO 3401	Quantitative Business Tools I	3 hrs
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or

MAC 2233	Concepts of Calculus and	3 hrs
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STA 2023	Statistical Methods I	3 hrs
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### 3. Core Requirements: Basic Level

■ None

### 4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

BUL 3130	Legal and Ethical Environment of Business	4 hrs
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ECO 3411	Quantitative Business Tools II	4 hrs
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FIN 3403C	Business Finance	4 hrs
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<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
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<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
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GEB 3375	Introduction to International Business	4 hrs
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MAN 3025	Management of Organizations	4 hrs
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MAR 3023	Marketing	4 hrs
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MAR 3203	Supply Chain Management	4 hrs
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<sup>1</sup>	Required in 1st or 2nd semester	
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<sup>2</sup>	Must be taken with GEB 3031	
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### 5. Restricted Electives (24 hrs)

■ Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

<b>Human Resource Management Track</b>	<b>24 hrs</b>
<b>Required Courses</b>	<b>15 hrs</b>
MAN 3301 Management of Human Resources <b>and</b>	3 hrs
MAN 4240 Organizations: Theory and Behavior <b>and</b>	3 hrs
MAN 4320 Human Resources Recruitment and Selection <b>and</b>	3 hrs
MAN 4330 Compensation Administration <b>and</b>	3 hrs
MAN 4350 Training and Development	3 hrs
<b>Restricted Elective Courses</b>	<b>9 hrs</b>
BUL 4540 Employment Law <b>or</b>	3 hrs
GEB 3113 How to Start a Business <b>or</b>	3 hrs
GEB 4110 Business Plan Preparation <b>or</b>	3 hrs
GEB 4111 New Venture Finance <b>or</b>	3 hrs
GEB 4435 Moral Foundations of Business <b>or</b>	3 hrs
Any MAN Course	3 hrs
<b>General Management Track</b>	<b>24 hrs</b>
<b>Required Courses</b>	<b>15 hrs</b>
MAN 3301 Management of Human Resources <b>and</b>	3 hrs
MAN 3520 Quality & Productivity Management <b>and</b>	3 hrs
MAN 4240 Organizations: Theory and Behavior <b>and</b>	3 hrs
MAN 4441 Conflict Resolution and Negotiation <b>and</b>	3 hrs
MAN 4701 Business Ethics and Society	3 hrs
<b>Restricted Elective Courses</b>	<b>9 hrs</b>
BUL 4540 Employment Law <b>or</b>	3 hrs
GEB 3113 How to Start a Business <b>or</b>	3 hrs
GEB 4110 Business Plan Preparation <b>or</b>	3 hrs
GEB 4111 New Venture Finance <b>or</b>	3 hrs
GEB 4435 Moral Foundations of Business <b>or</b>	3 hrs
Any MAN Course	3 hrs
<b>Entrepreneurship Track</b>	<b>24 hrs</b>
<b>Required Courses</b>	<b>12 hrs</b>
GEB 4110 Business Plan Preparation <b>and</b>	3 hrs
GEB 4111 New Venture Finance <b>and</b>	3 hrs
MAN 3301 Management of Human Resources <b>and</b>	3 hrs
MAN 4802 Entrepreneurship	3 hrs
<b>Select 1:</b>	<b>3 hrs</b>
MAR 3391 Professional Selling <b>or</b>	3 hrs
MAR 3641 Marketing Intelligence	3 hrs
<b>Restricted Elective Courses</b>	<b>9 hrs</b>
BUL 4540 Employment Law <b>or</b>	3 hrs
GEB 4435 Moral Foundations of Business <b>or</b>	3 hrs
Any MAN course	3 hrs
<b>6. Capstone Requirements</b>	<b>(4 hrs)</b>
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
<sup>1</sup> GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> GEB 3031L Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025 Management of Organizations	4 hrs
MAR 3023 Marketing	4 hrs
<sup>1</sup> Required in 1st or 2nd semester	
<sup>2</sup> Must be taken with GEB 3031	
<b>7. Foreign Language Requirements</b>	
<b>Admissions</b>	
■ 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.	
<b>Graduation</b>	
■ None	
<b>8. Electives</b>	
■ (variable)	
<b>9. Additional Requirements</b>	
■ None	
<b>10. Required Minors</b>	
■ None	
<b>11. Departmental Exit Requirements</b>	
■ None	
<b>12. University Minimum Exit Requirements</b>	
■ A 2.0 UCF GPA	
■ 60 semester hours earned after CLEP awarded	

- 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
- Total Semester Hours Required**
- 120
- Honors In Major**
- None
- Related Programs**
- None
- Certificates**
- None
- Related Minors**
- None
- Advising Notes**
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
  - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- Transfer Notes**
- Courses taken at community colleges do not substitute for upper division courses
  - Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
  - Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
  - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
  - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Acceptable Substitutes for Transfer Courses**
- |   |       |
|---|-------|
| ACG 2021 Principles of Financial Accounting | 3 hrs |
| may be substituted with: ACG X001           |       |
| ACG 2021 Principles of Financial Accounting | 3 hrs |
| may be substituted with: ACG X011           |       |
- Plan of Study**
- Must complete 9 hours in a summer semester.
- Freshman Year - Fall** **15 hrs**
- |   |       |
|---|-------|
| ENC 1101 Composition I                      | 3 hrs |
| SPC 1608 Fundamentals of Oral Communication | 3 hrs |
| Cult-Hist I                                 | 3 hrs |
| Elective                                    | 3 hrs |
| Elective                                    | 3 hrs |
- Freshman Year - Spring** **15 hrs**
- |  |       |
|--|-------|
| CGS 2100C Computer Fundamentals for Business | 3 hrs |
| ENC 1102 Composition II                      | 3 hrs |
| MAC 1105C College Algebra                    | 3 hrs |
| Cult-Hist II                                 | 3 hrs |
| Art/Music/Lit                                | 3 hrs |
- Sophomore Year - Fall** **15 hrs**
- |  |       |
|--|-------|
| <sup>1</sup> ACG 2021 Principles of Financial Accounting | 3 hrs |
| <sup>1</sup> ECO 2023 Principles of Microeconomics       | 3 hrs |
| Science  | 3 hrs |

## UCF Degree Programs

Psy/Soc/Ant	3 hrs
Elective	3 hrs

<sup>1</sup> "C" (2.0) or better required in each class.

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
<sup>1</sup> ACG 2071 Principles of Managerial Accounting	3 hrs
<sup>1</sup> ECO 2013 Principles of Macroeconomics	3 hrs
<sup>1</sup> ECO 3401 Quantitative Business Tools I	3 hrs
Science	3 hrs
Elective	3 hrs

<sup>1</sup> "C" (2.0) or better required in each class.

<b>Human Resource Management Track</b>	
<b>Junior Year - Fall</b>	<b>16 hrs</b>
<sup>1</sup> GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> 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

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

<b>Junior Year - Spring</b>	<b>15 hrs</b>
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 3301 Management of Human Resources	3 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
MAN 4240 Organizations: Theory and Behavior	3 hrs
MAN 4320 Human Resources Recruitment and Selection	3 hrs
MAN 4330 Compensation Administration	3 hrs
MAR 3203 Supply Chain Management	4 hrs
Restricted Elective	3 hrs

<b>Senior Year - Spring</b>	<b>16 hrs</b>
MAN 4350 Training and Development	3 hrs
MAN 4720 Strategic Management	4 hrs
Free Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

### Entrepreneurship Track

<b>Junior Year - Fall</b>	<b>16 hrs</b>
<sup>1</sup> GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> 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

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

<b>Junior Year - Spring</b>	<b>15 hrs</b>
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 4802 Entrepreneurship	3 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
GEB 4111 New Venture Finance	3 hrs
MAN 3301 Management of Human Resources	3 hrs
MAR 3203 Supply Chain Management	4 hrs
Restricted Elective	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
MAR 3391 Professional Selling or	3 hrs
MAR 3641 Marketing Intelligence	3 hrs

<b>Senior Year - Spring</b>	<b>16 hrs</b>
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

<b>Junior Year - Fall</b>	<b>15 hrs</b>
BUL 3130 Legal and Ethical Environment of Business	4 hrs
<sup>1</sup> GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> GEB 3031L Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025 Management of Organizations	4 hrs
MAN 3520 Quality & Productivity Management	3 hrs

<sup>1</sup> Required in 1st or 2nd semester

<sup>2</sup> Must be taken with GEB 3031

<b>Junior Year - Spring</b>	<b>16 hrs</b>
ECO 3411 Quantitative Business Tools II	4 hrs
FIN 3403C Business Finance	4 hrs
MAR 3023 Marketing	4 hrs
MAR 3203 Supply Chain Management	4 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
GEB 3375 Introduction to International Business	4 hrs
MAN 3301 Management of Human Resources	3 hrs
MAN 4240 Organizations: Theory and Behavior	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Senior Year - Spring</b>	<b>16 hrs</b>
MAN 4441 Conflict Resolution and Negotiation	3 hrs
MAN 4701 Business Ethics and Society	3 hrs
MAN 4720 Strategic Management	4 hrs
Restricted Elective	3 hrs
Free Elective	3 hrs

### 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

■ Part-Time Student: \$15 per term

■ Full-Time Student: \$30 per term

## Marketing (B.S.B.A.)

### College of Business Administration

### Department of Marketing, Business Administration II,

### Room: 101

<http://www.bus.ucf.edu>

407-823-2184

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

■ Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

■ See Common Program Prerequisites

### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program pre-requisites class.

■ Students wanting to major in Marketing must apply for admission to the major.

■ Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department of school in which the student majors.

■ Students must earn at least a 2.0 GPA in the major and COB.

■ 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
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**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**  
 Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**  
 Required MAC 1140 Pre-Calculus Algebra 3 hrs  
 Required CGS 2100C Computer Fundamentals for Business 3 hrs

**D: Social Foundations (6 hrs)**

**Select 1: (3 hrs)**  
 Suggested ECO 2013 Principles of Macroeconomics 3 hrs  
 or  
 Suggested ECO 2023 Principles of Microeconomics 3 hrs

**Select 1: (3 hrs)**

Suggested 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.

ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
ACG 2021	Principles of Financial Accounting	3 hrs

**Select one of the following sequences of courses:**

- Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401

ECO 3401	Quantitative Business Tools I	3 hrs
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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 32 hrs

**Administration:**

<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3375	Introduction to International Business	4 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> Required in 1st or 2nd semester

**Required Courses 18 hrs**

MAR 3391	Professional Selling	3 hrs
MAR 3503	Consumer Behavior	3 hrs
MAR 3613	Marketing Analysis and Research	3 hrs
MAR 3641	Marketing Intelligence	3 hrs
MAR 4803	Marketing Management	3 hrs
MAR 4804	Marketing Strategy	3 hrs

**5. Restricted Electives (6 hrs)**

**General Marketing**

- Select a minimum of 2 courses from the following list of courses:

MAR 3323	Integrated Marketing Communication	3 hrs
MAR 3403	Sales Force Management	3 hrs
MAR 3721	Technology Applications in Marketing	3 hrs
MAR 4231	Retailing Management	3 hrs
MAR 4711	Sport Marketing	3 hrs
MAR 4712	Healthcare Marketing	3 hrs
MAR 4715	Entertainment Marketing	3 hrs
MAR 4841	Services Marketing	3 hrs
MAR 4941	Marketing Internship	3 hrs

MAR 4934	Contemporary Marketing Topics in Florida	3 hrs
MAR 4156	International Marketing	3 hrs
MAR 3765	Entrepreneurial Marketing	3 hrs

**Professional Selling Track 9 hrs**

- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:

MAR 3391	Professional Selling	3 hrs
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**Take all of the following: 9 hrs**

MAR 3403	Sales Force Management and	3 hrs
MAR 4415C	Advanced Professional Selling and	3 hrs
MAR 4413C	Strategic Issues in Sales-Lecture	3 hrs

**6. Capstone Requirements (4 hrs)**

MAN 4720	Strategic Management	4 hrs
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- This course is taken in the graduating term and requires the following prerequisites:

GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
MAR 3023	Marketing	4 hrs
MAN 3025	Management of Organizations	4 hrs
FIN 3403C	Business Finance	4 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr

**7. Foreign Language Requirements**

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

**8. Electives**

- (Variable)

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- None

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

**Related Minors**

- None

# UCF Degree Programs

## Advising Notes

■ Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

## Transfer Notes

■ Courses taken at community colleges do not substitute for upper division courses.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

## Acceptable Substitutes for Transfer Courses

■ None

## Plan of Study

■ Must complete nine hours in a summer semester

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
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

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ENC 1102 Composition II	3 hrs
MAC 1105C College Algebra	3 hrs
CGS 2100C Computer Fundamentals for Business	3 hrs
Cult-Hist II	3 hrs
Art/Music/Lit	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
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

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
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

<b>Junior Year - Fall</b>	<b>16 hrs</b>
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

<b>Junior Year - Spring</b>	<b>17 hrs</b>
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

<b>Senior Year - Fall</b>	<b>17 hrs</b>
MAR 4803 Marketing Management	3 hrs
MAN 3025 Management of Organizations	4 hrs
MAR 3641 Marketing Intelligence	3 hrs
MAR Elective	3 hrs
MAR 3203 Supply Chain Management	4 hrs

<b>Senior Year - Spring</b>		
MAN 4720 Strategic Management		4 hrs
MAR 4804 Marketing Strategy		3 hrs
MAR Elective		3 hrs
GE Non-Business Elective		3 hrs

## Marketing: Professional Selling Track

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
ENC 1101 Composition I	3 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Cult-Hist I	3 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ENC 1102 Composition II	3 hrs
MAC 1105C College Algebra	3 hrs
CGS 2100C Computer Fundamentals for Business	3 hrs
Cult-Hist II	3 hrs
Art/Music/Lit	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
ECO 2023 Principles of Microeconomics	3 hrs
ACG 2021 Principles of Financial Accounting	3 hrs
Restricted Elective	3 hrs
Science	3 hrs
Psy/Soc/Ant	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
ECO 2013 Principles of Macroeconomics	3 hrs
ACG 2071 Principles of Managerial Accounting	3 hrs
ECO 3401 Quantitative Business Tools I	3 hrs
Restricted Elective	3 hrs
Science	3 hrs

<b>Junior Year - Fall</b>	<b>16 hrs</b>
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

<b>Junior Year - Spring</b>	<b>16 hrs</b>
MAR 3391 Professional Selling	3 hrs
MAR 3403 Sales Force Management	3 hrs
FIN 3403C Business Finance	4 hrs
MAR 3503 Consumer Behavior	3 hrs
MAR 3613 Marketing Analysis and Research	3 hrs

<b>Senior Year - Fall</b>	<b>17 hrs</b>
MAR 4803 Marketing Management	3 hrs
MAR 4415C Advanced Professional Selling	3 hrs
MAN 3025 Management of Organizations	4 hrs
MAR 3641 Marketing Intelligence	3 hrs
MAR 3203 Supply Chain Management	4 hrs

<b>Senior Year - Spring</b>	<b>17 hrs</b>
MAN 4720 Strategic Management	4 hrs
MAR 4804 Marketing Strategy	3 hrs
BUL 3130 Legal and Ethical Environment of Business	4 hrs
MAR 4413C Strategic Issues in Sales-Lecture	3 hrs
GE Non-Business Elective	3 hrs

## Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

■ Part-Time Student: \$15 per term

■ Full-Time Student: \$30 per term

**Mathematics - Applied Track (B.S.)**

**College of Sciences**

**Department of Mathematics, MAP, Room: 207**

**<http://math.ucf.edu>**

**E-mail: [math@mail.ucf.edu](mailto:math@mail.ucf.edu)**

Dr. J. Brennan, [jbrenna@mail.ucf.edu](mailto:jbrenna@mail.ucf.edu)  
407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.

- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Math Department

- Co-op or internship credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required course
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF.

MAC 2311	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs

**1. UCF General Education Program (GEP) (38 hrs)**

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (7 hrs)**

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	COP 3502C	Computer Science I	3 hrs

**D: Social Foundations (6 hrs)**

**E: Science Foundations (7 hrs)**

**Physical Science: (4 hrs)**

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
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**Life & Earth Science: Select one listed course. (3 hrs)**

**2. Common Program Prerequisites (CPP) (18 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- See Transfer Notes for possible substitutes for some of the following

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

**3. Core Requirements: Basic Level (3 hrs)**

STA 2023	Statistical Methods I	3 hrs
MAP 2302	Differential Equations	CPP
PHY 2048C	Physics for Engineers & Scientists I	GEP/ CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP
COP 3502C	Computer Science I	GEP

**4. Core Requirements: Advanced Level (42 hrs)**

MHF 3302	Logic and Proof in Mathematics	3 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
MAS 3106	Linear Algebra	4 hrs
MAA 4402	Introduction to Complex Variables	3 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs
MAP 4364	Applied Boundary Value Problems II	3 hrs

STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs
MAA 4226	Advanced Calculus I	4 hrs
COT 4500	Numerical Calculus	3 hrs
MAP 4103	Mathematical Modeling I	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
ENC 3241	Writing for the Technical Professional or	3 hrs
ENC 3310	Magazine Writing I or	3 hrs
ENC 3311	Advanced Expository Writing	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
MAD 4203	Applied Combinatorics or	3 hrs
MAP 4153	Vector and Tensor Analysis	3 hrs

**5. Restricted Electives (6 hrs)**

- Note: Students must satisfy course prerequisites before enrolling in these courses.

**5.a. Applied Elective: (3 hrs)**

**Select 1: (3 hrs)**

COT 4210	Discrete Structures II or	3 hrs
COT 4400	Tools for Algorithm Analysis or	3 hrs
COT 5507	Computational Methods/Applications or	3 hrs
COT 5510	Computational Methods/Linear Systems or	3 hrs
EGN 3310	Engineering Analysis-Statics or	3 hrs
EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3343	Thermodynamics or	3 hrs
EGN 3373	Principles of Electrical Engineering or	3 hrs
STA 4102	Computer Processing of Statistical Data or	3 hrs
STA 5103	Advanced Computer Processing of	3 hrs

	Statistical Data or	
STA 4641	Risk Theory and Decision	3 hrs

**5.b. Biological or physical sciences Elective: (3 hrs)**

**Select 1: (3 hrs)**

PCB 3044	Principles of Ecology or	3 hrs
PCB 3063	Genetics or	3 hrs
PCB 4302C	Physiochemical Limnology or	4 hrs
PCB 4303C	Biological Limnology or	4 hrs
CHM 3410	Physical Chemistry I or	4 hrs
CHM 2210	Organic Chemistry I or	3 hrs
PHY 3101	Physics for Engineers and Scientists III or	3 hrs
PHY 3323	Electricity and Magnetism I or	3 hrs
PHY 4324	Electricity and Magnetism II or	3 hrs
PHY 4424	Optics or	3 hrs
PHY 4604	Wave Mechanics I	3 hrs

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

**8. Electives**

- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview
- Before applying to graduate, the CLAS must be completely satisfied.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

# UCF Degree Programs

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Computer Science
- Mathematics Education
- Statistics
- Electrical Engineering
- Mechanical Engineering
- Aerospace Engineering
- Computer Engineering

## Certificates

- None

## Related Minors

- Computer Science
- Economics
- Physics
- Statistics

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Computer Programming course: may use any programming language course with a COP prefix. However knowledge of programming is still required.
- Physics course: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

## Plan of Study

- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in your first Math course, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

## Freshman Year - Fall

MAC 2311	Calculus with Analytic Geometry I	4 hrs
STA 2023	Statistical Methods I	3 hrs
GEP		3 hrs
GEP		3 hrs

## Freshman Year - Spring

MAC 2312	Calculus with Analytic Geometry II	4 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
GEP		3 hrs
GEP		3 hrs
Free Elective		3 hrs

## Sophomore Year - Fall

PHY 2048C	Physics for Engineers & Scientists I	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
GEP		3 hrs

## Sophomore Year - Spring

MAP 2302	Differential Equations	3 hrs
MAS 3106	Linear Algebra	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
GEP		3 hrs

## Junior Year - Fall

GEP		3 hrs
COP 3223	Introduction to Programming with C	3 hrs
Free Elective		3 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs
Core Course		3 hrs

## Junior Year - Spring

COP 3502C	Computer Science I	3 hrs
MAA 4402	Introduction to Complex Variables	3 hrs

MAP 4364	Applied Boundary Value Problems II	3 hrs
Free Elective		3 hrs
GEP		4 hrs

## Senior Year - Fall

COT 4500	Numerical Calculus	3 hrs
MAA 4226	Advanced Calculus I	4 hrs
STA 4321	Statistical Theory I	3 hrs
GEP		3 hrs
Restricted Elective		3 hrs

## Senior Year - Spring

MAP 4103	Mathematical Modeling I	3 hrs
STA 4322	Statistical Theory II	3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Writing Core		3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oes.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

## Mathematics - Computational Track (B.S.)

### College of Sciences

### Department of Mathematics, Math and Physics, Room: 207

<http://math.ucf.edu>

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700  
407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
 

MAC 2311	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs

## 1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

### A: Communication Foundations (9 hrs)

### B: Cultural & Historical Foundations (9 hrs)

### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	COP 3502C	Computer Science I	3 hrs

### D: Social Foundations (6 hrs)

### E: Science Foundations (7 hrs)

### Physical Sciences: (4 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
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Life Sciences:		3 hrs
Select one course listed in GEP E 2		3 hrs



## 2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following.

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

## 3. Core Requirements: Basic Level (3 hrs)

STA 2023	Statistical Methods I	3 hrs
MAP 2302	Differential Equations	CPP
PHY 2048C	Physics for Engineers & Scientists I	GEP/_CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP
COP 3502C	Computer Science I	GEP

## 4. Core Requirements: Advanced Level (42 hrs)

ENC 3241	Writing for the Technical Professional	3 hrs
MAA 4402	Introduction to Complex Variables	3 hrs
MAA 4226	Advanced Calculus I	4 hrs
MAD 4203	Applied Combinatorics	3 hrs
MAS 3106	Linear Algebra	4 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs
MAP 4364	Applied Boundary Value Problems II	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs
COP 3503C	Computer Science II	4 hrs
COT 4500	Numerical Calculus	3 hrs

## Select 1: (3 hrs)

MHF 3302	Logic and Proof in Mathematics or	3 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs

## Select 1: (3 hrs)

MAP 4103	Mathematical Modeling I or	3 hrs
MAP 4153	Vector and Tensor Analysis	3 hrs

## 5. Restricted Electives (18 hrs)

### Select 6: (18 hrs)

COP 3402	Systems Software or	3 hrs
COP 4331C	Processes for Object-Oriented Software Development or	4 hrs
COP 4020	Programming Languages I or	3 hrs
COP 4600	Operating Systems or	3 hrs
COT 4210	Discrete Structures II or	3 hrs
EEL 4768C	Computer Architecture or	4 hrs
any MAA, MAD, MAP, MAS, or MTG upper division courses		3 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

## 8. Electives

- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Mathematics - Applied Track
- Computer Science
- Electrical Engineering
- Mathematics Education
- Statistics

## Certificates

- None

## Related Minors

- Computer Science
- Physics
- Statistics

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Computer Programming: may use any programming language course with a COP prefix.
- Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

## Plan of Study

- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in your first Math course, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

## Freshman Year - Fall 14 hrs

GEP		3 hrs
Free Elective		4 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
STA 2023	Statistical Methods I	3 hrs

## Freshman Year - Spring 16 hrs

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs

## Sophomore Year - Fall 15 hrs

GEP		3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs

## Sophomore Year - Spring 14 hrs

GEP		3 hrs
MAP 2302	Differential Equations	3 hrs
MAS 3106	Linear Algebra	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

## Junior Year - Fall 15 hrs

GEP		3 hrs
Restricted Elective		3 hrs
Core Course		3 hrs
COP 3223	Introduction to Programming with C	3 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs

# UCF Degree Programs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
Restricted Elective	3 hrs
GEP	3 hrs
COP 3502C Computer Science I	3 hrs
MAA 4402 Introduction to Complex Variables	3 hrs
MAP 4364 Applied Boundary Value Problems II	3 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
Restricted Elective	3 hrs
Restricted Elective	3 hrs
STA 4321 Statistical Theory I	3 hrs
MAD 4203 Applied Combinatorics	3 hrs
COP 3503C Computer Science II	4 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>
Restricted Elective	3 hrs
Restricted Elective	3 hrs
ENC 3241 Writing for the Technical Professional	3 hrs
COT 4500 Numerical Calculus	3 hrs
GEP	3 hrs

## Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Mathematics - Engineering/Physics Track (B.S.)

### College of Sciences

### Department of Mathematics, Math and Physics,

### Room: 207

<http://math.ucf.edu>

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a C (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
 

MAC 2311	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs

### 1. UCF General Education Program (GEP) (38 hrs)

■ Note: Certain courses must be selected for this major, bringing GEP hours above 36

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (7 hrs)**

Required MAC 2311 Calculus with Analytic

Geometry I 4 hrs

Required COP 3502C Computer Science I 3 hrs

**D: Social Foundations (6 hrs)**

**E: Science Foundations (7 hrs)**

**Physical Sciences: (4 hrs)**

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

**Life & Earth Sciences. (3 hrs)**  
 Select one course listed in GEP E 2. 3 hrs

### 2. Common Program Prerequisites (CPP) (18 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Transfer Notes for possible substitutes for the courses below.

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

### 3. Core Requirements: Basic Level (3 hrs)

COP 3502C	Computer Science I	GEP
MAP 2302	Differential Equations	CPP
PHY 2048C	Physics for Engineers & Scientists I	GEP/ CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP

### Select one statistics course: (3 hrs)

STA 3032	Probability and Statistics for Engineers or	3 hrs
STA 2023	Statistical Methods I	3 hrs

### 4. Core Requirements: Advanced Level (53 hrs)

MAP 4153	Vector and Tensor Analysis	3 hrs
MAA 4402	Introduction to Complex Variables	3 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs
MAP 4364	Applied Boundary Value Problems II	3 hrs
MAA 4226	Advanced Calculus I	4 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs

### Select 1: (3 hrs)

MHF 3302	Logic and Proof in Mathematics or	3 hrs
COT 3100C	Introduction to Discrete Structures	3 hrs

### Select 1: (3 hrs)

MAP 4103	Mathematical Modeling I or	3 hrs
EML 3034C	Modeling Methods in Mechanical and	3 hrs

Aerospace Engineering or  
 Computer Methods in Physics

### Select 1: (3 hrs)

PHZ 3151		3 hrs
EGN 3420	Engineering Analysis or	3 hrs
COT 4500	Numerical Calculus	3 hrs

### Select 1: (3 hrs)

MAS 3106	Linear Algebra or	4 hrs
MAD 4203	Applied Combinatorics	3 hrs

### Select 1: (3 hrs)

EGN 3310	Engineering Analysis-Statics or	3 hrs
PHY 3220	Mechanics I	3 hrs

### Select 1: (3 hrs)

EGN 3373	Principles of Electrical Engineering or	3 hrs
PHY 3101	Physics for Engineers and Scientists III	3 hrs

### Select 1: (3 hrs)

CHM 2046	Chemistry Fundamentals II or	3 hrs
Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above		3 hrs

### Select 1: (3 hrs)

EGN 3358	Thermo-Fluids-Heat Transfer or	3 hrs
PHY 3513	Thermal and Statistical Physics or	3 hrs
Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above		3 hrs

### Select 1: (3 hrs)

EML 3701	Fluid Mechanics I or	3 hrs
CWR 3201	Engineering Fluid Mechanics or	3 hrs
<sup>1</sup> PHY 3101	Physics for Engineers and Scientists III or	3 hrs
ESI 4628C	Industrial Engineering Applications of	3 hrs

Computers or

PHZ 3113 Introduction to Theoretical Methods of  
 Physics 3 hrs

### Select 1: (3 hrs)

EGN 3331	Mechanics of Materials or	3 hrs
CHM 2046	Chemistry Fundamentals II or	3 hrs
ESI 4312	Operations Research or	3 hrs
EGM 3601	Solid Mechanics or	3 hrs
EML 4220	Vibration Analysis or	3 hrs
EEL 3004	Electrical Networks or	3 hrs
PHY 4604	Wave Mechanics I or	3 hrs

Or any MAA, MAD, MAP, or MAS course at 3000 level or above	3 hrs
<b>Select 1:</b>	<b>3 hrs</b>
CES 4100C Structural Analysis I and Lab or	4 hrs
EGN 3331 Mechanics of Materials or	3 hrs
EIN 3001 Introduction to Industrial Engineering and Management Systems or	3 hrs
EAS 3101 Fundamentals of Aerodynamics or	3 hrs
EGM 3601 Solid Mechanics or	3 hrs
EEL 3004 Electrical Networks or	3 hrs
or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above	3 hrs

<sup>1</sup> (PHY 3101 may be selected only if EGN 3373 is also taken)

## 5. Restricted Electives (6 hrs)

<b>Select 2:</b>	<b>6 hrs</b>
STA 4321 Statistical Theory I or	3 hrs
STA 4322 Statistical Theory II or	3 hrs
PHY 3323 Electricity and Magnetism I or	3 hrs
PHY 4324 Electricity and Magnetism II or	3 hrs
EGN 3365 Structure and Properties of Materials or	3 hrs
EGN 3613 Engineering Economic Analysis or	2 hrs
EEE 3342C Digital Systems or	3 hrs
EEL 3801C Computer Organization or	3 hrs
EEL 3657 Linear Control Systems or	3 hrs
EML 4142 Heat Transfer or	3 hrs
EML 4312C Feedback Control or	3 hrs
EML 3262 Kinematics of Mechanisms or	3 hrs
EAS 4200 Flight Structures or	3 hrs
EAS 4400 Spacecraft Attitude Dynamics or	3 hrs
EAS 4505 Orbital Mechanics or	3 hrs
EAS 4105 Flight Mechanics or	3 hrs
EML 4703 Fluid Mechanics II or	3 hrs
EMA 4223 Fundamentals of Mechanical Behavior of Materials or	3 hrs
CWR 4203C Hydraulics or	3 hrs
CWR 4101C Hydrology or	3 hrs
ENV 4561 Environmental Engineering Operations & Processes II or	3 hrs
ESI 4234 Quality Engineering or	3 hrs
ESI 4523C Systems Simulation or	3 hrs
EIN 4333 Production and Distribution Systems or	3 hrs
EEL 3470 Electromagnetic Fields or	3 hrs
EEL 3552C Analog and Digital Communication Fundamentals or	4 hrs
EEL 4750 Digital Signal Processing Fundamentals or	3 hrs
EEL 4742C Embedded Systems or	4 hrs
EEL 4832 Engineering Applications of Computer Methods or	3 hrs
EEL 4851C Engineering Data Structures or	4 hrs
Or any MAA, MAD, MAP, or MAS course at 3000 level or above	3 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

## 8. Electives

Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Mathematics - Applied Track
- Computer Science
- Civil Engineering
- Electrical Engineering
- Aerospace Engineering
- Mechanical Engineering
- Physics
- Mathematics Education
- Statistics

## Certificates

- None

## Related Minors

- Computer Science
- Physics
- Statistics

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
- Computer Programming: may use any programming language course with a COP prefix to satisfy the CPP.
- Physics: may use any PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP; however, these physics classes are core requirements and still must be taken.

## Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>

- Prior to enrolling in Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

<b>Freshman Year - Fall</b>	<b>13 hrs</b>
GEP	3 hrs
MAC 2311 Calculus with Analytic Geometry I	4 hrs
STA 2023 Statistical Methods I	3 hrs
GEP	3 hrs

<b>Freshman Year - Spring</b>	<b>16 hrs</b>
GEP	3 hrs
GEP	3 hrs
Core Course	3 hrs
MAC 2312 Calculus with Analytic Geometry II	4 hrs
Core Course	3 hrs

<b>Sophomore Year - Fall</b>	<b>14 hrs</b>
GEP	3 hrs
MAC 2313 Calculus with Analytic Geometry III	4 hrs
PHY 2048C Physics for Engineers & Scientists I	4 hrs
GEP	3 hrs

<b>Sophomore Year - Spring</b>	<b>16 hrs</b>
GEP	3 hrs
MAP 2302 Differential Equations	3 hrs
PHY 2049C Physics for Engineers and Scientists II	4 hrs
Core Course	3 hrs
Free Elective	3 hrs

## UCF Degree Programs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
GEP	3 hrs
Core Course	3 hrs
Core Course	3 hrs
MAP 4153 Vector and Tensor Analysis	3 hrs
Free Elective	3 hrs

<b>Junior Year - Spring</b>	<b>16 hrs</b>
MAA 4402 Introduction to Complex Variables	3 hrs
MAA 4226 Advanced Calculus I	4 hrs
Core Course	3 hrs
Core Course	3 hrs
GEP	3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>
MAP 4363 Applied Boundary Value Problems I	3 hrs
EGN 3321 Engineering Analysis-Dynamics	3 hrs
Core Course	3 hrs
Core Course	3 hrs
Restricted Elective	3 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>
MAP 4364 Applied Boundary Value Problems II	3 hrs
Core Course	3 hrs
Core Course	3 hrs
Restricted Elective	3 hrs
Core Course	3 hrs

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Mathematics - Mathematical Economics Track (B.S.)

### College of Sciences

### Department of Mathematics, Math and Physics,

### Room: 207

<http://math.ucf.edu>

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu  
407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
  - Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
  - Students must earn at least a "C" (2.0) in each required course.
  - Co-op or internship credit cannot be used in this major.
  - Students should consult with a departmental advisor.
  - Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
  - Students should consult with the major advisors for the Department of Mathematics and Economics.
  - All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.
- |          |                                     |       |
|----------|-------------------------------------|-------|
| MAC 2311 | Calculus with Analytic Geometry I   | 4 hrs |
| MAC 2312 | Calculus with Analytic Geometry II  | 4 hrs |
| MAC 2313 | Calculus with Analytic Geometry III | 4 hrs |
| MAP 2302 | Differential Equations              | 3 hrs |

### 1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected for this major, bringing GEP hours above 36

<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
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<b>C: Mathematical Foundations</b>	<b>(7 hrs)</b>
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Required MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required STA 2023	Statistical Methods I	3 hrs

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
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<b>Select 1:</b>	<b>3 hrs</b>
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Required ECO 2013	Principles of Macroeconomics	3 hrs
Required ECO 2023	Principles of Microeconomics	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
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Suggested PSY 2012	General Psychology	3 hrs
Suggested SYG 2000	Introduction to Sociology	3 hrs
Suggested ANT 2000	General Anthropology	3 hrs

<b>E: Science Foundations</b>	<b>(7 hrs)</b>
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<b>1. Physical or Life Science designed for majors.</b>	<b>4 hrs</b>
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Required BSC 2010C	Biology I	4 hrs
Required CHM 2045C	Chemistry Fundamentals I	4 hrs
Required PHY 2048C	Physics for Engineers & Scientists I	4 hrs

<b>2. Remaining Science Requirement</b>	<b>3 hrs</b>
Complete the section of the Science GEP not yet taken.	

<b>2. Common Program Prerequisites (CPP)</b>	<b>(14 hrs)</b>
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- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

- See Transfer Notes for possible substitutes.

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs

<b>Select a science course designed for majors:</b>	<b>4 hrs</b>
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BSC 2010C	Biology I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs

<b>3. Core Requirements: Basic Level</b>	<b>(26 hrs)</b>
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ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	GEP
MHF 3302	Logic and Proof in Mathematics	3 hrs
MAP 2302	Differential Equations	CPP
MAS 3105	Matrix and Linear Algebra	4 hrs
STA 4321	Statistical Theory I	3 hrs
ECO 3101	Intermediate Microeconomics	3 hrs
ECO 3203	Intermediate Macroeconomics	3 hrs
ECO 4451	Research Methods in Economics	3 hrs
STA 2023	Statistical Methods I	GEP

### Remaining Science Sequence

- Complete the science sequence started in the Common Program Prerequisites.

PHY 2049C	Physics for Engineers and Scientists II	4 hrs
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<b>or</b>		
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

<b>or</b>		
BSC 2011C	Biology II	4 hrs

<b>4. Core Requirements: Advanced Level</b>	<b>(17 hrs)</b>
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MAA 4226	Advanced Calculus I	4 hrs
MAS 3106	Linear Algebra	4 hrs
MAP 4103	Mathematical Modeling I	3 hrs
ECO 3410	Mathematical Economics	3 hrs
ECO 4412	Econometrics	3 hrs

## 5. Restricted Electives (18 hrs)

- Select three courses from each of the following two areas:

<b>Area 1</b>		<b>9 hrs</b>
COT 4500	Numerical Calculus	3 hrs
MAD 4203	Applied Combinatorics	3 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs
MAP 4113	Probability, Random Processes and Applications I	3 hrs
MAA 4402	Introduction to Complex Variables	3 hrs
<b>Area 2</b>		<b>9 hrs</b>
ECO 3703	International Microeconomics	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECO 4504	Public Economics	3 hrs
ECP 4403	Industrial Organization and Game Theory	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
STA 4322	Statistical Theory II	3 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

## 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Students must earn a grade of "C" (2.0) or better in each course applied towards the major as well as a 2.0 overall average.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Mathematics - Applied Track
- Statistics

### Certificates

- None

### Related Minors

- Statistics
- Computer Science
- Economics
- Mathematics

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

### Acceptable Substitutes for Transfer Courses

- Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming: may use any programming language course with a COP prefix.

## 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.

<b>Freshman Year - Fall</b>		<b>16 hrs</b>
ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
STA 2023	Statistical Methods I	3 hrs
GEP		3 hrs
COP 3223	Introduction to Programming with C	3 hrs

<b>Freshman Year - Spring</b>		<b>16 hrs</b>
ECO 2023	Principles of Microeconomics	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
ECO 2013	Principles of Macroeconomics	3 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
GEP		4 hrs

<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
ECO 3101	Intermediate Microeconomics	3 hrs
MAP 2302	Differential Equations	3 hrs
MAS 3106	Linear Algebra	4 hrs
GEP		3 hrs
Core Course		4 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
ECO 3203	Intermediate Macroeconomics	3 hrs
STA 4321	Statistical Theory I	3 hrs
Free Elective		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
MAP 4103	Mathematical Modeling I	3 hrs
ECO 3410	Mathematical Economics	3 hrs
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

<b>Senior Year - Fall</b>		<b>15 hrs</b>
ECO 4412	Econometrics	3 hrs
MAA 4226	Advanced Calculus I	4 hrs
GEP		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

<b>Senior Year - Spring</b>		<b>15 hrs</b>
ECO 4451	Research Methods in Economics	3 hrs
Free Elective		3 hrs
Free Elective		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.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Mathematics - Pure Track (B.S.)

### College of Sciences

### Department of Mathematics, Math and Physics, Room: 207

<http://math.ucf.edu>

**E-mail: math@mail.ucf.edu**

Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

### Admission Requirements

- None

# UCF Degree Programs

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from or approved by the Department of Mathematics at UCF:

MAC 2311	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs

### 1. UCF General Education Program (GEP) (38 hrs)

- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	COP 3502C	Computer Science I	3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (7 hrs)

##### E.1. Physical Sciences (4 hrs)

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
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##### E.2. Life & Earth Sciences: (3 hrs)

Select a listed course			3 hrs
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### 2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutions of certain courses.
- |           |   |       |
|-----------|---|-------|
| COP 3223  | Introduction to Programming with C      | 3 hrs |
| MAC 2311  | Calculus with Analytic Geometry I       | GEP   |
| MAC 2312  | Calculus with Analytic Geometry II      | 4 hrs |
| MAC 2313  | Calculus with Analytic Geometry III     | 4 hrs |
| MAP 2302  | Differential Equations                  | 3 hrs |
| PHY 2048C | Physics for Engineers & Scientists I    | GEP   |
| PHY 2049C | Physics for Engineers and Scientists II | 4 hrs |

### 3. Core Requirements: Basic Level (3 hrs)

STA 2023	Statistical Methods I	3 hrs
MAP 2302	Differential Equations	CPP
PHY 2048C	Physics for Engineers & Scientists I	GEP/ CPP
PHY 2049C	Physics for Engineers and Scientists II	CPP

### 4. Core Requirements: Advanced Level (42 hrs)

MHF 3302	Logic and Proof in Mathematics	3 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
MAS 3106	Linear Algebra	4 hrs
MAP 4363	Applied Boundary Value Problems I	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs
MAS 4301	Abstract Algebra I	3 hrs
COP 3502C	Computer Science I	GEP
MAA 4226	Advanced Calculus I	4 hrs
MAA 4227	Advanced Calculus II	3 hrs
MAD 4203	Applied Combinatorics	3 hrs
MTG 4302	Introduction to Topology	3 hrs
MAA 4402	Introduction to Complex Variables	3 hrs

### Select 1: (3 hrs)

ENC 3241	Writing for the Technical Professional or	3 hrs
ENC 3310	Magazine Writing I or	3 hrs
ENC 3311	Advanced Expository Writing	3 hrs

### 5. Restricted Electives (3 hrs)

#### Biological or physical sciences electives (3 hrs)

- Note: Students must satisfy course prerequisites before enrolling in these courses.

### Select one of the following courses; (3 hrs)

PCB 3044	Principles of Ecology or	3 hrs
PCB 3063	Genetics or	3 hrs
PCB 4302C	Physiochemical Limnology or	4 hrs
PCB 4303C	Biological Limnology or	4 hrs
CHM 2046	Chemistry Fundamentals II or	3 hrs
CHM 2210	Organic Chemistry I or	3 hrs
PHY 3101	Physics for Engineers and Scientists III or	3 hrs
PHY 3323	Electricity and Magnetism I or	3 hrs
PHY 4424	Optics	3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- 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 required in the degree program.

- Participate in an exit interview.

- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

120

### Honors In Major

- None

### Related Programs

- Statistics
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Computer Science
- Statistics
- Mathematics Education

### Certificates

- None

### Related Minors

- Computer Science
- Physics
- Statistics
- Economics
- Mathematics

### Advising Notes

- None

### Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:

- Computer Programming: may use any programming course with a COP prefix.

- Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; however, these Physics classes are core requirements and still must be taken.

**Plan of Study**

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu>

- Prior to enrolling in Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

<b>Freshman Year - Fall</b>	<b>13 hrs</b>
GEP	3 hrs
GEP	3 hrs
MAC 2311     Calculus with Analytic Geometry I	4 hrs
STA 2023     Statistical Methods I	3 hrs

<b>Freshman Year - Spring</b>	<b>16 hrs</b>
GEP	3 hrs
GEP	3 hrs
MAC 2312     Calculus with Analytic Geometry II	4 hrs
MHF 3302     Logic and Proof in Mathematics	3 hrs
Free Elective	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
GEP	3 hrs
PHY 2048C     Physics for Engineers & Scientists I	4 hrs
MAC 2313     Calculus with Analytic Geometry III	4 hrs
MAS 3105     Matrix and Linear Algebra	4 hrs

<b>Sophomore Year - Spring</b>	<b>14 hrs</b>
GEP	3 hrs
MAP 2302     Differential Equations	3 hrs
MAS 3106     Linear Algebra	4 hrs
PHY 2049C     Physics for Engineers and Scientists II	4 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
COP 3223     Introduction to Programming with C	3 hrs
MAP 4363     Applied Boundary Value Problems I	3 hrs
MAS 4301     Abstract Algebra I	3 hrs
Free Elective	3 hrs
Free Elective	3 hrs

<b>Junior Year - Spring</b>	<b>16 hrs</b>
MAA 4402     Introduction to Complex Variables	3 hrs
Restricted Elective	4 hrs
Free Elective	3 hrs
Free Elective	4 hrs
COP 3502C     Computer Science I	3 hrs

<b>Senior Year - Fall</b>	<b>16 hrs</b>
GEP	3 hrs
ENC 3241     Writing for the Technical Professional	3 hrs
MAA 4226     Advanced Calculus I	4 hrs
MAD 4203     Applied Combinatorics	3 hrs
STA 4321     Statistical Theory I	3 hrs

<b>Senior Year - Spring</b>	<b>16 hrs</b>
GEP	3 hrs
MAA 4227     Advanced Calculus II	3 hrs
MTG 4302     Introduction to Topology	3 hrs
STA 4322     Statistical Theory II	3 hrs
Free Elective	4 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Mathematics Education (B.S.)**

**College of Education**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

<http://education.ucf.edu/mathed>

Dr. Janet Andreasen, ED 123Q, [jandreas@mail.ucf.edu](mailto:jandreas@mail.ucf.edu), 407-823-5430

Dr. Erhan Haciomeroglu, ED 115L, [erhansh@mail.ucf.edu](mailto:erhansh@mail.ucf.edu), 407-823-4336

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

**1. UCF General Education Program (GEP) (37 hrs)**

- Students are advised to take the preferred courses.

**A: Communication Foundations (9 hrs)**

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
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
Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

**C: Mathematical Foundations (7 hrs)**

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

**D: Social Foundations (6 hrs)**

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
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**Select 1: (3 hrs)**

Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

**2. Common Program Prerequisites (CPP) (9 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

**Take all of the following: (9 hrs)**

EDF 2005	Introduction to the Teaching Profession	3 hrs
<b>and</b>		
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators <b>and</b>	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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.
- |                       |  |       |
|-----------------------|--|-------|
| <sup>1</sup> EDF 2130 | Child and Adolescent Development for Educators | 3 hrs |
| MAC 2311              | Calculus with Analytic Geometry I              | GEP   |
| STA 2023              | Statistical Methods I                          | GEP   |
| MAC 2312              | Calculus with Analytic Geometry II             | 4 hrs |

# UCF Degree Programs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs

<sup>1</sup> 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, EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues 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/clinicalexp/>

MAE 4360	Mathematics Instructional Analysis	4 hrs
<sup>1</sup> MAE 3940	Internship	3 hrs

<sup>1</sup> 3 hours

## Specialization Requirements 23 hrs

■ A grade of "C-" (1.75) or better is required.

MAS 3105	Matrix and Linear Algebra	4 hrs
MAS 3203	Introduction to Number Theory	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
MHF 4404	History of Mathematics	3 hrs
MTG 4212	Modern Geometries	4 hrs
STA 4163	Statistical Methods II	3 hrs
MAE 4634	Programs in Teaching of Mathematics	3 hrs

## Internship II 12 hrs

■ At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.clinical-experiences.education.ucf.edu>.

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

MAE 4941	Internship	12 hrs
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## 5. Restricted Electives

■ None

## 6. Capstone Requirements

■ None

## 7. Foreign Language Requirements

### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

■ None

## 8. Electives

■ None

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

## 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

■ 120

## Honors In Major

■ None

## Related Programs

■ None

## Certificates

■ None

## Related Minors

■ None

## Advising Notes

■ None

## Transfer Notes

■ None

## Acceptable Substitutes for Transfer Courses

■ None

## Plan of Study (120 hrs)

### Freshman Year - Fall 13 hrs

ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
PSC 1121	Physical Science	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

### Freshman Year - Spring 16 hrs

ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

### Select 1: 3 hrs

ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs

### Freshman Year - Summer 10 hrs

MAC 2313	Calculus with Analytic Geometry III	4 hrs
PHI 2010	Introduction to Philosophy	3 hrs
PSY 2012	General Psychology	3 hrs

### Sophomore Year - Fall 15 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
MAP 2302	Differential Equations	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs
POS 2041	American National Government	3 hrs
STA 2023	Statistical Methods I	3 hrs



<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
EME 2040	Introduction to Technology for Educators	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
MAS 3105	Matrix and Linear Algebra	4 hrs
MAS 3203	Introduction to Number Theory	3 hrs
<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs

<sup>1</sup> Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Junior Year - Fall</b>		<b>13 hrs</b>
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
MTG 4212	Modern Geometries	4 hrs

<b>Junior Year - Spring</b>		<b>12 hrs</b>
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
MAE 4634	Programs in Teaching of Mathematics	3 hrs
STA 4163	Statistical Methods II	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Senior Year - Fall</b>		<b>13 hrs</b>
MAE 3940	Internship	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
MHF 4404	History of Mathematics	3 hrs
MAE 4360	Mathematics Instructional Analysis	4 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
MAE 4941	Internship	12 hrs

#### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeads.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm)

## Mechanical Engineering (B.S.M.E.) College of Engineering and Computer Science Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307 <http://www.mmae.ucf.edu>

**E-mail: [mmaeugrad@mail.ucf.edu](mailto:mmaeugrad@mail.ucf.edu)**

Dr. Kuo-Chi Lin, [klin@mail.ucf.edu](mailto:klin@mail.ucf.edu), 407-823-0137  
 Waheeda Illasarie, [willasar@mail.ucf.edu](mailto:willasar@mail.ucf.edu), 407-823-5448  
 407-823-2416

#### Admission Requirements

■ None

#### Degree Requirements

■ None

#### 1. UCF General Education Program (GEP) (38 hrs)

■ The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

<b>A: Communication Foundations</b>		<b>(9 hrs)</b>
Required	ENC 1101 Composition I	3 hrs
Required	ENC 1102 Composition II	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
Prefer	SPC 1603 Fundamentals of Technical Presentations or	3 hrs

Suggested	SPC 1608 Fundamentals of Oral Communication	3 hrs
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<b>B: Cultural &amp; Historical Foundations</b>		<b>(9 hrs)</b>
Select two courses from Historical Foundations		6 hrs
Select one class from Cultural Foundations		3 hrs

<b>C: Mathematical Foundations</b>		<b>(7 hrs)</b>
Required	MAC 2311 Calculus with Analytic Geometry I	4 hrs
Required	STA 3032 Probability and Statistics for Engineers	3 hrs

<b>D: Social Foundations</b>		<b>(6 hrs)</b>
<b>Select 1:</b>		<b>3 hrs</b>
Prefer	ECO 2013 Principles of Macroeconomics	3 hrs
or		
Prefer	ECO 2023 Principles of Microeconomics	3 hrs
Select one class from Social Foundations		3 hrs

<b>E: Science Foundations</b>		<b>(7 hrs)</b>
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.

<sup>1</sup> MAC 2311	Calculus with Analytic Geometry I	GEP
<sup>1</sup> MAC 2312	Calculus with Analytic Geometry II	4 hrs
<sup>1</sup> MAC 2313	Calculus with Analytic Geometry III	4 hrs
<sup>1</sup> MAP 2302	Differential Equations	3 hrs
<sup>1</sup> PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

#### Select 1: (4 hrs)

<sup>1</sup> CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
or		
<sup>1</sup> CHM 2045C	Chemistry Fundamentals I or	4 hrs
<sup>2</sup> CHM 2040	Chemistry Fundamentals IA or	3 hrs
<sup>3</sup> CHM 2041	Chemistry Fundamentals IB	3 hrs

<sup>1</sup> A "C" (2.0) or better is required in this course.

<sup>2</sup> A "C" (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.

<sup>3</sup> A "C" (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence

#### 3. Core Requirements: Basic Level (2 hrs)

##### Required Courses: Basic (2 hrs)

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

#### 4. Core Requirements: Advanced Level (63 hrs)

##### Required Courses: Advanced (42 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EGN 3365	Structure and Properties of Materials	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 3303C	Mechanical Engineering Measurements	3 hrs
EML 4312C	Feedback Control	3 hrs
EML 3500	Machine Design and Analysis	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EML 3701	Fluid Mechanics I	3 hrs
EML 4142	Heat Transfer	3 hrs
EML 4220	Vibration Analysis	3 hrs
EML 4535C	CAD/CAM	3 hrs

■ Select one of the following three options for your senior year to complete your BSME:

# UCF Degree Programs

<b>Energy Systems Option</b>		<b>21 hrs</b>
EML 3101	Thermodynamics of Mechanical Systems	3 hrs
<b>and</b>		
EML 4304C	Design of Thermo-Fluid Experiment	2 hrs
EML 4703	Fluid Mechanics II	3 hrs
EML 4145	Topics in Heat Transfer	2 hrs
EML 4221C	Mechanical Systems Experimental Techniques	2 hrs
<b>and</b>		
Approved Electives		9 hrs

<b>Mechanical Systems Option</b>		<b>21 hrs</b>
EML 4304C	Design of Thermo-Fluid Experiment	2 hrs
EML 3262	Kinematics of Mechanisms	3 hrs
EGM 3601L	Solid Mechanics Lab	2 hrs
EML 4221C	Mechanical Systems Experimental Techniques	2 hrs
<b>and</b>		
Approved Electives		12 hrs

<b>Materials Option</b>		<b>21 hrs</b>
EMA 3012C	Experimental Techniques in Mechanics and Materials	3 hrs
EMA 4102	Thermodynamics and Kinetics of Materials	3 hrs
<b>and</b>		
EMA 3124	Design and Selection of Materials	3 hrs
EMA 4223	Fundamentals of Mechanical Behavior of Materials	3 hrs
<b>and</b>		
Approved Electives		9 hrs

## 5. Restricted Electives

■ Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of 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/Approved%20Electives.pdf>

## 6. Capstone Requirements (6 hrs)

■ These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

<b>Select 1:</b>		<b>3 hrs</b>
EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

## 7. Foreign Language Requirements

### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

■ None

## 8. Electives

■ None

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

■ 128

## Honors In Major

■ None

## Related Programs

■ Aerospace Engineering

## Certificates

■ None

## Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

## Advising Notes

■ Double Degree/Double Major requirements listed under the college section of the catalog.

## Career and Academic Advising

■ The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990	Mechanical Career and Academic Faculty Advising I	0 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

## Transfer Notes

■ EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.

■ Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.

■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

## Acceptable Substitutes for Transfer Courses

■ None

## Plan of Study

(128 hrs)

■ Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

■ Mechanical Systems Option:

<b>Freshman Year - Fall</b>		<b>15 hrs</b>
EGN 1006C	Introduction to the Engineering Profession	1 hr
ENC 1101	Composition I	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
GEP		3 hrs

<b>Select 1:</b>		<b>4 hrs</b>
CHS 1440	Fundamentals of Chemistry for Engineers	4 hrs
<b>or</b>		
CHM 2045C	Chemistry Fundamentals I or	4 hrs
<sup>1</sup> CHM 2040	Chemistry Fundamentals IA	3 hrs

<sup>1</sup> Must take CHM 2041C to complete the sequence

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
EGN 1007C	Engineering Concepts and Methods	1 hr
ENC 1102	Composition II	3 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
GEP		3 hrs

<b>Freshman Year - Summer</b>		<b>10 hrs</b>
MAC 2313	Calculus with Analytic Geometry III	4 hrs
GEP		3 hrs
GEP		3 hrs

<b>Sophomore Year - Fall</b>		<b>13 hrs</b>
MAP 2302	Differential Equations	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

<b>Sophomore Year - Spring</b>		<b>12 hrs</b>
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs

<b>Sophomore Year - Summer</b>		<b>9 hrs</b>
EGN 3365	Structure and Properties of Materials	3 hrs
GEP		3 hrs
GEP		3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
EML 3500	Machine Design and Analysis	3 hrs
EML 3701	Fluid Mechanics I	3 hrs
EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 3303C	Mechanical Engineering Measurements	3 hrs
GEP		3 hrs
EML 3990	Mechanical Career and Academic Faculty Advising I	0 hrs

<b>Junior Year - Spring</b>		<b>12 hrs</b>
EML 4220	Vibration Analysis	3 hrs
EML 4142	Heat Transfer	3 hrs
EML 4535C	CAD/CAM	3 hrs
	Upper Division Elective	3 hrs

<b>Senior Year - Fall</b>		<b>14 hrs</b>
EML 3262	Kinematics of Mechanisms	3 hrs
EML 4312C	Feedback Control	3 hrs
	Upper Division Elective	3 hrs
EML 4221C	Mechanical Systems Experimental Techniques	2 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

<b>Senior Year - Spring</b>		<b>13 hrs</b>
EML 4304C	Design of Thermo-Fluid Experiment	2 hrs
	Upper Division Elective	3 hrs
EGM 3601L	Solid Mechanics Lab	2 hrs
	Upper Division Elective	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

### Energy Systems Option

<b>Senior Year - Spring</b>		<b>14 hrs</b>
EML 3101	Thermodynamics of Mechanical Systems	3 hrs
EML 4703	Fluid Mechanics II	3 hrs
EML 4312C	Feedback Control	3 hrs
EML 4221C	Mechanical Systems Experimental Techniques	2 hrs
	Upper Division Elective	3 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

<b>Senior Year - Summer</b>		<b>13 hrs</b>
EML 4304C	Design of Thermo-Fluid Experiment	2 hrs
EML 4145	Topics in Heat Transfer	2 hrs
	Upper Division Elective	3 hrs
	Upper Division Elective	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

### Materials Option

<b>Senior Year - Fall</b>		<b>15 hrs</b>
EMA 4102	Thermodynamics and Kinetics of Materials	3 hrs
EMA 3124	Design and Selection of Materials	3 hrs
EML 4312C	Feedback Control	3 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs
	Upper Division elective	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4501C	Engineering Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
EMA 3012C	Experimental Techniques in Mechanics and Materials	3 hrs
EMA 4223	Fundamentals of Mechanical Behavior of Materials	3 hrs
	Upper Division Elective	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EML 4502C	Engineering Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	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

## Medical Laboratory Sciences (B.S.)

### College of Medicine

### Burnett School of Biomedical Sciences

### Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

<http://www.biomed.ucf.edu>

Dr. P.E. Kolattukudy, Chair

Dorilyn Hitchcock, Program Director, [hitchcod@mail.ucf.edu](mailto:hitchcod@mail.ucf.edu)

407-823-5932

### Admission Requirements

- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.

- 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. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

Prefer	MAC 1105C	College Algebra	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 2045C	Chemistry Fundamentals I	4 hrs

## UCF Degree Programs

### 2. Common Program Prerequisites (CPP) (25 hrs)

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

BSC 2010C	Biology I	GEP
STA 2023	Statistical Methods I	GEP
<sup>1</sup> ZOO 3733C	Human Anatomy	4 hrs
<sup>1</sup> MCB 3020C	General Microbiology	5 hrs
<sup>1</sup> PCB 3703C	Human Physiology	4 hrs

### Take all of the following: 4 hrs

CHM 2045C	Chemistry Fundamentals I and	GEP
CHM 2046	Chemistry Fundamentals II and	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr

### 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

<sup>1</sup> See Transfer Notes

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (64 hrs)

MLS 3220C	Techniques in Clinical Microscopy	3 hrs
MLS 4625	Advanced Clinical Chemistry I	3 hrs
MLS 4630	Advanced Clinical Chemistry II	3 hrs
PCB 3233	Immunology	3 hrs
MLS 4430C	Clinical Parasitology	2 hrs
MLS 3305	Hematology	3 hrs
MLS 4505C	Immunodiagnosics	3 hrs
MLS 4910	Introduction to Clinical Research	1 hr
MLS 4550	Clinical Immunohematology	4 hrs
MLS 4460C	Clinical Pathogenic Microbiology	5 hrs
MLS 4334	Hemostasis	3 hrs
MLS 4625L	Advanced Clinical Chem I Lab	1 hr
PCB 3233L	Immunology Laboratory	1 hr
MLS 3305L	Hematology Lab	1 hr
MLS 4933	Medical Technology Seminar	2 hrs
MLS 3705	Concepts in Education/Management	3 hrs
MLS 4830C	Interpretive & Practical Clinical Chemistry	4 hrs
MLS 4831C	Interpretive & Practical Immunohematology	4 hrs
MLS 4832C	Interpretive & Practical Hematology	4 hrs
MLS 4833C	Diagnostic Microbiology	4 hrs
CGS 1060C	Introduction to Computer Science	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

### 5. Restricted Electives

- None

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for clinical assignment.
  - The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.
  - Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
  - Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.
- ### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 126

### Honors In Major

- None

### Related Programs

- Biomedical Sciences
- Biology
- Chemistry

### Certificates

- None

### Related Minors

- Biomedical Sciences
- Biology
- Chemistry

### Advising Notes

- None

### Transfer Notes

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

### Acceptable Substitutes for Transfer Courses

Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)	8 hrs
MCB 3020C General Microbiology	5 hrs

may be substituted with: MCB 2010C

### Plan of Study

#### Freshman Year - Fall 16 hrs

ENC 1101	Composition I	3 hrs
MAC 1105C	College Algebra	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CGS 1060C	Introduction to Computer Science	3 hrs

#### Freshman Year - Spring 17 hrs

ENC 1102	Composition II	3 hrs
BSC 2010C	Biology I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
STA 2023	Statistical Methods I	3 hrs

#### Select 1: 3 hrs

ANT 2000	General Anthropology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
PSY 2012	General Psychology	3 hrs

#### Sophomore Year - Fall 16 hrs

CHM 2210	Organic Chemistry I	3 hrs
ZOO 3733C	Human Anatomy	4 hrs

#### Select 1: 3 hrs

POS 2041	American National Government or	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

### Take all of the following:

#### Select 1: 3 hrs

EUH 2000	Western Civilization I or	3 hrs
HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877	3 hrs

#### Select 1: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

#### Sophomore Year - Spring 17 hrs

CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
MCB 3020C	General Microbiology	5 hrs
PCB 3703C	Human Physiology	4 hrs

<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Junior Year - Fall</b>		<b>13 hrs</b>
MLS 3220C	Techniques in Clinical Microscopy	3 hrs
MLS 4625	Advanced Clinical Chemistry I	3 hrs
MLS 4625L	Advanced Clinical Chem I Lab	1 hr
PCB 3233	Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
MLS 4430C	Clinical Parasitology	2 hrs

<b>Junior Year - Spring</b>		<b>16 hrs</b>
MLS 3305	Hematology	3 hrs
MLS 3305L	Hematology Lab	1 hr
MLS 4630	Advanced Clinical Chemistry II	3 hrs
MLS 4460C	Clinical Pathogenic Microbiology	5 hrs

<b>Junior Year - Summer</b>		<b>7 hrs</b>
MLS 4334	Hemostasis	3 hrs
MLS 4550	Clinical Immunohematology	4 hrs

<b>Senior Year - Fall</b>		<b>16 hrs</b>
MLS 4830C	Interpretive & Practical Clinical Chemistry	4 hrs
MLS 4831C	Interpretive & Practical Immunohematology	4 hrs
MLS 4832C	Interpretive & Practical Hematology	4 hrs
MLS 4833C	Diagnostic Microbiology	4 hrs

<b>Senior Year - Spring</b>		<b>13 hrs</b>
MLS 4910	Introduction to Clinical Research	1 hr
MLS 4505C	Immunodiagnostics	3 hrs
MLS 4933	Medical Technology Seminar	2 hrs
MLS 3705	Concepts in Education/Management	3 hrs
BSC 3403C	Quantitative Biological Methods	4 hrs

#### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alcal/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcal/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: \$39 per term
- Full-Time Student: \$78 per term

## Modern Language Combination (B.A.)

### College of Arts and Humanities

### Department of Modern Languages and Literatures,

**Colbourn Hall, Room: 523**

<http://ml.cah.ucf.edu/>

**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.
- At least 33 credit hours must be taken in Modern Language courses taught in the target language.
- Students must earn at least a "C" (2.0) in each upper division foreign language course.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.
- Students must see their departmental advisor for counseling and schedule approval before registering.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

<sup>1</sup> Required MGF 1106 Finite Mathematics 3 hrs

**Select 1: (3 hrs)**

Prefer CGS 1060C Introduction to Computer Science or 3 hrs

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (may substitute a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP)**

- Completion of intermediate level of proficiency.

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (39 hrs)**

**First Language (French, German or Spanish) 24 hrs**

**Composition (Select One) 3 hrs**

<sup>1</sup> SPN 3420 Spanish Composition or 3 hrs

<sup>1</sup> FRE 3420 French Composition or 3 hrs

<sup>1</sup> FRE 4422 Advanced French Composition or 3 hrs

<sup>1</sup> GER 3420 Intensive German Composition 3 hrs

**Oral Communication (Select One) 3 hrs**

<sup>1</sup> SPN 3760 Advanced Spanish Oral Communication or 3 hrs

<sup>1</sup> FRE 3760 Advanced French Oral Communication or 3 hrs

<sup>1</sup> FRE 4421 Advanced French Conversation or 3 hrs

<sup>1</sup> GER 3760 Advanced German Oral Communication 3 hrs

**Linguistics (Select One) 3 hrs**

FRE 3780 French Phonetics and Diction or 3 hrs

FOL 3730 Romance Philology or 3 hrs

GER 3780 German Phonetics and Diction or 3 hrs

SPN 4801 Spanish Morphosyntax or 3 hrs

SPN 4800 Spanish-American Syntax or 3 hrs

SPN 4780 Spanish Phonetics 3 hrs

**Literature (select one sequence)**

SPW 3100 Survey of Spanish Literature I and 3 hrs

SPW 3101 Survey of Spanish Literature II 3 hrs

or

SPW 3130 Survey of Latin-American Literature I and 3 hrs

SPW 3131 Survey of Latin-American Literature II 3 hrs

or

FRW 3100 Survey of French Literature I and 3 hrs

FRW 3101 Survey of French Literature II 3 hrs

or

GEW 3101 Survey of German Literature II and 3 hrs

GEW 3100 Survey of German Literature I 3 hrs

<sup>1</sup> A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

**Second Language (French, German, Spanish or Italian) 15 hrs**

**Communication (Select One) 3 hrs**

SPN 3420 Spanish Composition or 3 hrs

FRE 3420 French Composition or 3 hrs

GER 3420 Intensive German Composition or 3 hrs

ITA 3420 Italian Composition 3 hrs

**Advanced Oral Communication (select one) 3 hrs**

SPN 3760 Advanced Spanish Oral Communication or 3 hrs

FRE 3760 Advanced French Oral Communication or 3 hrs

GER 3760 Advanced German Oral Communication or 3 hrs

ITA 3760 Advanced Italian Oral Communication 3 hrs

## UCF Degree Programs

### 5. Restricted Electives

Restricted Electives in the First Language 9 hrs

- chosen with departmental advisor

Restricted Electives in the Second Language 9 hrs

- chosen with departmental advisor

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by Graduation requirements.

#### Graduation

- Met by degree program requirements (four semesters or proficiency).

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam (primary track)

- Computer Competency met by the following:

CGS 1060C Introduction to Computer Science 3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- French
- Spanish

#### Certificates

- None

#### Related Minors

- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

#### Advising Notes

- None

#### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study

Freshman Year - Fall 16 hrs

ENC 1101 Composition I 3 hrs  
 1 GEP 3 hrs  
 1 GEP 3 hrs  
 1 GEP 3 hrs  
 1 CPP 4 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Spring 16 hrs

ENC 1102 Composition II 3 hrs  
 1 GEP 3 hrs  
 1 GEP 3 hrs  
 1 GEP 3 hrs  
 1 CPP 4 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall 16 hrs

1 GEP 3 hrs  
 1 GEP 3 hrs  
 2 GEP 3 hrs  
 2 CPP 3 hrs  
 FRE 1120C Elementary French Language and Civilization I 4 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

<sup>2</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Spring 15 hrs

1 GEP 3 hrs  
 1 CPP 3 hrs  
 1 Restricted Elective 2 hrs  
 1 Restricted Elective 3 hrs  
 FRE 1121C Elementary French Language and Civilization II 4 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Fall 15 hrs

1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Restricted Elective 3 hrs  
 FRE 2200 Intermediate French Language and Civilization I 3 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Spring 15 hrs

1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 2 Core Course 3 hrs  
 2 Restricted Elective 3 hrs  
 2 Restricted Elective 3 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

<sup>2</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Fall 15 hrs

1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Restricted Elective 3 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Spring 12 hrs

1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Core Course 3 hrs  
 1 Restricted Elective 3 hrs

<sup>1</sup> Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

## 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Music (B.A.)

### College of Arts and Humanities

### Department of Music, Performing Arts Center,

### Room: M203

<http://www.music.cah.ucf.edu>

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

#### Admission Requirements

- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates

#### Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to <http://www.music.ucf.edu/students> to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- 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)

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (may substitute a higher level math)

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP) (28 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

MUT 1121	Music Theory and Musicianship I	4 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 1111	Class Piano I	1 hr
MVK 1112	Class Piano II	1 hr
MVK 2121	Class Piano III	1 hr
MVK 2122	Class Piano IV	1 hr
MUN XXXX	Ensembles	4 hrs
MVX XXXX	Performance	4 hrs

#### 3. Core Requirements: Basic Level (6 hrs)

<sup>1</sup> MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs

<sup>1</sup> (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 MUT 4XXX course 3 hrs

##### Restricted Electives-Non-Music 18 hrs

■ Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

#### 6. Capstone Requirements

MUS 4900	Music BA Capstone Project	3 hrs
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#### 7. Foreign Language Requirements

##### Admissions

■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

##### Graduation

■ Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives

■ Select primarily from upper-level courses

#### 9. Additional Requirements

■ None

#### 10. Required Minors

■ None

#### 11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or better in each Music course

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

#### Honors In Major

■ None

#### Related Programs

- Music Education
- Theatre
- Theatre - Musical Theatre Track

#### Certificates

■ None

#### Related Minors

- Music
- Theatre

#### Advising Notes

■ None

#### Transfer Notes

■ Courses taken at community colleges do not substitute for Upper Division courses.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

■ None

## UCF Degree Programs

### 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.

<b>Freshman Year - Fall</b>			<b>17 hrs</b>
<sup>1</sup> 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 2014	Introduction to Music History and Literature		3 hrs
MUN XXXX	Ensemble		1 hr
MXV 141X	Performance I		2 hrs
GEP E.1.	Science Foundation		3 hrs

<sup>1</sup> (GEP A.1.)

<b>Freshman Year - Spring</b>			<b>14 hrs</b>
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
MUN XXXX	Ensemble		1 hr
MXV 141X	Performance I		2 hrs

<b>Sophomore Year - Fall</b>			<b>16 hrs</b>
<sup>1</sup> SPC 1608	Fundamentals of Oral Communication		3 hrs
MUT 2126	Music Theory and Musicianship III		4 hrs
MVK 2121	Class Piano III		1 hr
STA 1060C	Basic Statistics Using Microsoft Excel		3 hrs
MUS 1010	Music Forum		0 hrs
MUN XXXX	Ensemble		1 hr
XXX 1120	Foreign Language		4 hrs

<sup>1</sup> (GEP A.3.)

<b>Sophomore Year - Spring</b>			<b>16 hrs</b>
MUT 2127	Music Theory and Musicianship IV		4 hrs
MVK 2122	Class Piano IV		1 hr
MUS 1010	Music Forum		0 hrs
MGF 1106	Finite Mathematics		3 hrs
MUN XXXX	Ensemble		1 hr
GEP B.1.	Cultural & Historical Foundation		3 hrs
XXX 1121	Foreign Language		4 hrs

<b>Junior Year - Fall</b>			<b>15 hrs</b>
MUH 3211	Music History and Literature I		3 hrs
GEP B.2.	Cultural & Historical Foundation		3 hrs
MUT 3/4XXX			3 hrs
MUX 3/4XXX	Music Restricted Elective		3 hrs
3XXX 3/4XXX	Non-Music Restricted Elective		3 hrs

<b>Junior Year - Spring</b>			<b>15 hrs</b>
MUH 3212	Music History and Literature II		3 hrs
Elective			3 hrs
MUX 3/4XXX	Music Restricted Elective		3 hrs
MUX 3/4XXX	Music Restricted Elective		3 hrs
XXX 3/4XXX	Non-Music Restricted Elective		3 hrs

<b>Senior Year - Fall</b>			<b>15 hrs</b>
GEP D.1.	Social Foundation		3 hrs
XXX 3/4XXX	Non-Music Restricted Elective		3 hrs
MUX 3/4XXX	Music Restricted Elective		3 hrs
GEP E.2.	Science Foundation		3 hrs
XXX 3/4XXX	Non-Music Restricted Elective		3 hrs

<b>Senior Year - Spring</b>			<b>12 hrs</b>
MUS 4900	Music BA Capstone Project		3 hrs
GEP D.2.	Social Foundation		3 hrs
XXX 3/4XXX	Non-Music Restricted Elective		3 hrs
XXX 3/4XXX	Non-Music Restricted Elective		3 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](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 - Jazz Studies Track (B.M.)

### College of Arts and Humanities

**Department of Music, Colbourn Hall, Room: 205**

<http://www.music.cah.ucf.edu>

**E-mail: [musicaud@mail.ucf.edu](mailto:musicaud@mail.ucf.edu)**

J. Rupert, [jrupert@mail.ucf.edu](mailto:jrupert@mail.ucf.edu), 407-823-5411

Kirk Gay, [kgay@mail.ucf.edu](mailto:kgay@mail.ucf.edu), 407-823-5968

### Admission Requirements

#### Audition Requirements for Admission

■ Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to <http://www.music.ucf.edu/admissionsaudition.php> to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

■ The audition will serve as a placement examination for accepted candidates.

#### Professional Sequence Entrance Review

■ During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:

- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and 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
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**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)**

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (may substitute a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (24 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121	Music Theory and 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
<sup>1</sup> MUN 3713	Jazz Lab	1 hr
MVK 1111	Class Piano I	1 hr
MVK 1112	Class Piano II	1 hr
MVK 2121	Class Piano III	1 hr
MVK 2122	Class Piano IV	1 hr

<sup>1</sup> Four semesters for total 4 hrs

**3. Core Requirements: Basic Level (6 hrs)**

MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
<sup>1</sup> MUS 1010	Music Forum	0 hrs
MUL 2016	Evolution of Jazz	GEP

<sup>1</sup> Eight semesters

**4. Core Requirements: Advanced Level (27 hrs)**

MUT 3170	Jazz Theory I	3 hrs
MUT 3171	Jazz Theory II	3 hrs
<sup>1</sup> MUT 3923	Jazz Workshop	3 hrs
MUS 4320	Music Business and Industry	3 hrs
MUH 4814	Jazz Styles and Analysis	3 hrs
MUS 3953	Recital Performance I	0 hrs
MUS 4954	Recital Performance II	0 hrs

**Select 1: 3 hrs**

MUH 3211	Music History and Literature I or	3 hrs
MUH 3212	Music History and Literature II	3 hrs

<sup>1</sup> Four semesters for total 12 hrs

**Specialty Requirements (Choose one): 27 hrs**

■ All courses are taken for two semesters each except restricted elective courses

**Trumpet 15 hrs**

MVB 1411	Trumpet I and	2 hrs
MVB 2421	Trumpet II and	2 hrs
MVB 3431	Trumpet III and	2 hrs
MVB 4441	Trumpet IV and	4 hrs
Restricted Electives		5 hrs

**Trombone 15 hrs**

MVB 1413	Trombone I and	2 hrs
MVB 2423	Trombone II and	2 hrs
MVB 3433	Trombone III and	2 hrs
MVB 4443	Trombone IV and	4 hrs
Restricted Electives		5 hrs

**Saxophone 15 hrs**

MVW 1415	Saxophone I and	2 hrs
MVW 2425	Saxophone II and	2 hrs
MVW 3435	Saxophone III and	2 hrs
MVW 4445	Saxophone IV and	4 hrs
Restricted Electives		5 hrs

**Jazz Piano 15 hrs**

MVJ 1010	Jazz Piano I and	2 hrs
MVJ 2220	Jazz Piano II and	2 hrs
MVJ 3230	Jazz Piano III and	3 hrs
MVJ 4240	Jazz Piano IV and	4 hrs
MVK 1211	Secondary Piano and	1 hr
Restricted Electives		3 hrs

**Jazz Bass 15 hrs**

MVJ 1214	Jazz Bass I and	2 hrs
MVJ 2224	Jazz Bass II and	2 hrs
MVJ 3234	Jazz Bass III and	3 hrs
MVJ 4244	Jazz Bass IV and	4 hrs
MVS 1214	Secondary Bass and	1 hr
Restricted Electives		3 hrs

**Jazz Guitar 15 hrs**

MVJ 1213	Jazz Guitar I and	2 hrs
MVJ 2223	Jazz Guitar II and	2 hrs
MVJ 3233	Jazz Guitar III and	3 hrs
MVJ 4243	Jazz Guitar IV and	4 hrs
MVS 1216	Secondary Guitar and	1 hr
Restricted Electives		3 hrs

**Jazz Drum Set 15 hrs**

MVJ 1219	Jazz Drum Set I and	2 hrs
MVJ 2229	Jazz Drum Set II and	2 hrs
MVJ 3339	Jazz Drum Set III and	3 hrs
MVJ 4349	Jazz Drum Set IV and	4 hrs
MVP 1211	Secondary Percussion and	1 hr
Restricted Electives		3 hrs

**5. Restricted Electives**

- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, 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**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:

MUS 2360C	Introduction to Music Technology	3 hrs
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**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Music Education
- Music
- Theatre

**Certificates**

- None

**Related Minors**

- Music
- Theatre
- Digital Media

**Advising Notes**

- None

**Transfer Notes**

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- Program A: Jazz Trumpet, Trombone, Saxophone

**Freshman Year - Fall 14 hrs**

ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MUN 3713	Jazz Lab	1 hr
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MVX 141X	Performance I	2 hrs

**Freshman Year - Spring 17 hrs**

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs

## UCF Degree Programs

MUN 3713	Jazz Lab	1 hr
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2016	Evolution of Jazz	3 hrs
MXV 141X	Performance I	2 hrs
Science Foundation		3 hrs

<b>Sophomore Year - Fall</b> 17 hrs		
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
MXV 242X	Performance II	2 hrs

<b>Sophomore Year - Spring</b> 14 hrs		
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
MXV 242X	Performance II	2 hrs
Professional Sequence Entrance Review		

<b>Junior Year - Fall</b> 16 hrs		
MUT 3923	Jazz Workshop	3 hrs
MUS 1010	Music Forum	0 hrs
MGF 1106	Finite Mathematics	3 hrs
Cultural & Historical Foundation		3 hrs
MXV 343X	Performance III	3 hrs
MUX 3/4XXX	Restricted Elective	3 hrs
MUX 3XXX	Restricted Elective	1 hr

<b>Junior Year - Spring</b> 13 hrs		
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
MUH 3211	Music History and Literature I	3 hrs
MUT 3923	Jazz Workshop	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 3953	Recital Performance I	0 hrs
MXV 343X	Performance III	3 hrs
MUX 3XXX	Restricted Elective	1 hr

<b>Senior Year - Fall</b> 16 hrs		
MUS 1010	Music Forum	0 hrs
MUT 3923	Jazz Workshop	3 hrs
MUH 4814	Jazz Styles and Analysis	3 hrs
Social Foundation		3 hrs
MXV 444X	Performance IV	4 hrs
Science Foundation		3 hrs

<b>Senior Year - Spring</b> 13 hrs		
MUS 1010	Music Forum	0 hrs
MUT 3923	Jazz Workshop	3 hrs
MUS 4320	Music Business and Industry	3 hrs
MUS 4954	Recital Performance II	0 hrs
Social Foundation		3 hrs
MXV 444X	Performance IV	4 hrs
Social Foundation		3 hrs

■ Program B: Jazz Piano, Guitar, Bass, Drum Set

<b>Freshman Year - Fall</b> 15 hrs		
ENC 1101	Composition I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MUN 3713	Jazz Lab	1 hr
MVK 1111	Class Piano I	1 hr
MUS 1010	Music Forum	0 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs
MXV 1XXX	Performance I	2 hrs
MXV 121X	Secondary Performance	1 hr

<b>Freshman Year - Spring</b> 17 hrs		
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
MXV 1XXX	Performance I	2 hrs

<b>Sophomore Year - Fall</b> 17 hrs		
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
MGF 1106	Finite Mathematics	3 hrs
MXV 2XXX	Performance II	2 hrs

<b>Sophomore Year - Spring</b> 14 hrs		
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
Professional Sequence Entrance Review		
MXV 2XXX	Performance II	2 hrs
Cultural & Historical Foundation		3 hrs

<b>Junior Year - Fall</b> 13 hrs		
MUT 3923	Jazz Workshop	3 hrs
MUS 1010	Music Forum	0 hrs
Cultural & Historical Foundation		3 hrs
MXV 3XXX	Performance III	3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
MXV 121X	Secondary Performance	1 hr

<b>Junior Year - Spring</b> 15 hrs		
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
MUH 3211	Music History and Literature I	3 hrs
MUT 3923	Jazz Workshop	3 hrs
MUS 1010	Music Forum	0 hrs
MUS 3953	Recital Performance I	0 hrs
MXV 3XXX	Performance III	3 hrs
Science Foundation		3 hrs

<b>Senior Year - Fall</b> 16 hrs		
MUS 1010	Music Forum	0 hrs
MUT 3923	Jazz Workshop	3 hrs
MUH 4814	Jazz Styles and Analysis	3 hrs
Social Foundation		3 hrs
MXV 4XXX	Performance IV	4 hrs
Science Foundation		3 hrs

<b>Senior Year - Spring</b> 13 hrs		
MUS 1010	Music Forum	0 hrs
MUT 3923	Jazz Workshop	3 hrs
MUS 4320	Music Business and Industry	3 hrs
MUS 4954	Recital Performance II	0 hrs
MXV 4XXX	Performance IV	4 hrs
GEP D.2	Social Foundation	3 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Music - Music Composition Track (B.M.)

### College of Arts and Humanities

**Department of Music, Colbourn Hall, Room: 205**

<http://www.music.cah.ucf.edu/>

**E-mail: [musicaud@mail.ucf.edu](mailto:musicaud@mail.ucf.edu)**

K. Gay, [kgay@mail.ucf.edu](mailto:kgay@mail.ucf.edu), 407-823-5968

### Admission Requirements

#### Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to <http://www.music.ucf.edu/admissionsauditions.php> to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates

## Professional Sequence Entrance Review

■ 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 II	3 hrs
Select one course from 1.B.1 list			3 hrs
Select one course from 1.B.2 list			3 hrs

#### C: Mathematical Foundations (6 hrs)

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (may substitute a higher level math)

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP) (32 hrs)

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

MUT 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
MXV 141X	Performance I (two semesters)	4 hrs
MXV 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
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:

<sup>1</sup> MUC 3105C	Composition III	3 hrs
<sup>2</sup> MUC 4106C	Composition IV	4 hrs
MUT 4401	Counterpoint	3 hrs
MUT 4311	Orchestration	3 hrs
MUC 4950	Composition Recital	0 hrs
One course selected from MUC/MUH/MUS/MUT, 3000 level or above		3 hrs

<sup>1</sup> Two semesters for total 6 hrs

<sup>2</sup> Two semesters for total 8 hrs

### 5. Restricted Electives (9 hrs)

- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

#### Special Non-Course Requirements: Major Ensemble Participation

- Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

#### Special Non-Course Requirements: Minor Ensemble Participation

- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women's Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
 

MUS 2360C	Introduction to Music Technology	3 hrs
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### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- None

#### Related Programs

- Music Education
- Music
- Theatre

# UCF Degree Programs

## Certificates

- None

## Related Minors

- Music
- Digital Media
- Theatre

## Advising Notes

- None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

(120 hrs)

### Freshman Year - Fall

14 hrs

ENC 1101	Composition I	3 hrs
MUT 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

16 hrs

ENC 1102	Composition II	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MVK 1112	Class Piano II	1 hr
MUS 2360C	Introduction to Music Technology	3 hrs
MUS 1010	Music Forum	0 hrs
MVX 141X	Performance I	1 hr
MUN XXXX	Major Ensemble	1 hr
Science Foundation		3 hrs

### Sophomore Year - Fall

15 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MVK 2121	Class Piano III	1 hr
MUC 1101C	Composition I	2 hrs
MUG 3104	Basic Conducting	2 hrs
MUS 1010	Music Forum	0 hrs
MUN XXXX	Major Ensemble	1 hr
MVX 242X	Performance II	2 hrs

### Sophomore Year - Spring

16 hrs

MUT 2127	Music Theory and Musicianship IV	4 hrs
MVK 2122	Class Piano IV	1 hr
MUC 2104C	Composition II	2 hrs
<sup>1</sup> MGF 1106	Finite Mathematics	3 hrs
MUS 1010	Music Forum	0 hrs
Cultural/Historical Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr
MVX 242X	Performance II	2 hrs

<sup>1</sup> (GEP C.1.)

### Junior Year - Fall

16 hrs

MUH 3211	Music History and Literature I	3 hrs
MUT 4571	Analysis of Twentieth-Century Music	3 hrs
MUC 3105C	Composition III	3 hrs
MUS 1010	Music Forum	0 hrs
MUX 3/4XXX	Restricted Electives	3 hrs
Cultural/Historical Foundation		3 hrs
MUN XXXX	Major Ensemble	1 hr

### Junior Year - Spring

16 hrs

<sup>1</sup> STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
<sup>2</sup> MUH 3212	Music History and Literature II	3 hrs
MUT 4311	Orchestration	3 hrs
MUC 3105C	Composition III	3 hrs
MUS 1010	Music Forum	0 hrs
MUN XXXX	Major Ensemble	1 hr
MUX 3/4XXX	Restricted Elective	3 hrs

<sup>1</sup> (GEP C.2.)

<sup>2</sup> GEP

### Senior Year - Fall

13 hrs

MUC 4106C	Composition IV	4 hrs
MUS 1010	Music Forum	0 hrs
Social Foundation		3 hrs
Science Foundation		3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs

### Senior Year - Spring

13 hrs

MUC 4106C	Composition IV	4 hrs
MUT 4401	Counterpoint	3 hrs
MUS 1010	Music Forum	0 hrs
MUC 4950	Composition Recital	0 hrs
Social Foundation		3 hrs
MUX 3/4XXX	Restricted Electives	3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/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 Performance Track (B.M.)

### College of Arts and Humanities

### Department of Music, Performing Arts Center,

### Room: M203

<http://www.music.cah.ucf.edu/>

**E-mail:** [musicaud@mail.ucf.edu](mailto:musicaud@mail.ucf.edu)

Kirk Gay, [kgay@mail.ucf.edu](mailto:kgay@mail.ucf.edu), 407-823-5968

## Admission Requirements

### Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to <http://www.music.ucf.edu/admissionsauditions.php> to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

- The audition will serve as a placement examination for accepted candidates.

### Professional Sequence Entrance Review

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:

- An evaluation of performance skills
- Completion of Performance I and II
- Completion of Class Piano IV
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

- This review is a pre-requisite for Performance level III.

- Completion of the following courses:

MUS 2360C	Introduction to Music Technology	3 hrs
MUT 2127	Music Theory and Musicianship IV	4 hrs

## Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to <http://music.ucf.edu/students> to see the class piano requirements.

- Students who change degree programs and select this major must adopt the most current catalog.

- At least 65 hours of credit must be earned in music courses.

- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.

- Performance students must present two faculty-approved public recitals.

- Students should consult with a departmental advisor for course selection.

- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

**1. UCF General Education Program (GEP) (36 hrs)**

- (See General Education program for detailed information)

### A: Communication Foundations

(9 hrs)

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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### 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 MUH 3212 Music History and Literature II 3 hrs  
 Select one course from 1.B.1 list 3 hrs  
 Select one course from 1.B.2 list 3 hrs

**C: Mathematical Foundations (6 hrs)**  
<sup>1</sup> Prefer MGF 1106 Finite Mathematics 3 hrs  
 Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (May substitute a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (32 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

MUT 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 3484	4 hrs
MXV 141X	Performance I (2 semesters)	4 hrs
MXV 242X	Performance II (2 semesters)	4 hrs

**3. Core Requirements: Basic Level (6 hrs)**

MUL 2014	Introduction to Music History and Literature	3 hrs
MUS 2360C	Introduction to Music Technology	3 hrs
MUS 1010	Music Forum	0 hrs

**4. Core Requirements: Advanced Level (24 hrs)**

MUS 3953	Recital Performance I	0 hrs
MUS 4954	Recital Performance II	0 hrs
MUG 3104	Basic Conducting	2 hrs
MUH 3211	Music History and Literature I	3 hrs
MUH 3212	Music History and Literature II	GEP
MXV 343X	Performance III (2 Semesters)	6 hrs
MXV 444X	Performance IV (2 Semesters)	8 hrs
MUN XXXX	Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484)	2 hrs
	Choose one MUT 3XXX or MUT 4XXX course	3 hrs

**Specialty Requirements (Choose One:) 22 hrs**

**Piano 22 hrs**

MUL 3400	Piano Literature I and	2 hrs
MUL 3401	Piano Literature II and	2 hrs
MVK 4640	Piano Pedagogy I and	2 hrs
MUN 3453	Piano Ensemble and	1 hr
<sup>1</sup> MUN 3453	Piano Ensemble and	1 hr
	Restricted Electives and	9 hrs
	Electives	5 hrs

**Guitar 22 hrs**

MUL 4437	String Literature and Pedagogy and	3 hrs
MUN 3487	Guitar Ensemble and	1 hr
<sup>1</sup> MUN 3487	Guitar Ensemble and	1 hr
	Restricted Electives and	12 hrs
	Electives	5 hrs

**Voice 22 hrs**

MUS 1250	IPA for Singers and	1 hr
MUS 3255	German and English Lyric Diction and	2 hrs
MUS 3254	Italian and French Lyric Diction and	2 hrs
MVV 4640	Voice Pedagogy and	2 hrs
MUL 3602	Song Literature and	3 hrs
MUN XXXX	Major Ensembles and	2 hrs
MUN XXXX	Minor Ensembles and	2 hrs
	Foreign Language (French, German, or Italian)	8 hrs

**Woodwinds 22 hrs**

MUL 4444	Woodwind Literature and Pedagogy and	3 hrs
MUN XXXX	Major Ensembles and	2 hrs
MUN XXXX	Minor Ensembles and	4 hrs
	Restricted Electives and	8 hrs
	Electives	5 hrs

**Brass 22 hrs**

MUL 4443	Brass Literature and Pedagogy and	3 hrs
MUN XXXX	Major Ensembles and	2 hrs

MUN XXXX	Minor Ensembles and	4 hrs
	Restricted Electives and	8 hrs
	Electives	5 hrs

**Percussion 22 hrs**

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 22 hrs**

MUL 4437	String Literature and Pedagogy and	3 hrs
MUN XXXX	Major Ensembles and	2 hrs
MUN XXXX	Minor Ensembles and	4 hrs
	Restricted Electives and	8 hrs
	Electives	5 hrs

<sup>1</sup> 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
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**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

# UCF Degree Programs

## Related Programs

- Music 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	14 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs	
MVK 1111	Class Piano I	1 hr	
MUS 1010	Music Forum	0 hrs	
MUL 2014	Introduction to Music History and Literature	3 hrs	
MUN XXXX	Major Ensemble	1 hr	
MVX 141X	Performance I	2 hrs	

### Freshman Year - Spring

ENC 1102	Composition II	3 hrs	17 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	
MUN XXXX	Major Ensemble	1 hr	
MVX 141X	Performance I	2 hrs	
Science Foundation		3 hrs	

### Sophomore Year - Fall

SPC 1608	Fundamentals of Oral Communication	3 hrs	17 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs	
MVK 2121	Class Piano III	1 hr	
MUS 1010	Music Forum	0 hrs	
MUG 3104	Basic Conducting	2 hrs	
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs	
MUN XXXX	Major Ensemble	1 hr	
MUN XXXX	Minor Ensemble	1 hr	
MVX 242X	Performance II	2 hrs	

### Sophomore Year - Spring

MUT 2127	Music Theory and Musicianship IV	4 hrs	15 hrs
MVK 2122	Class Piano IV	1 hr	
MUS 1010	Music Forum	0 hrs	
MGF 1106	Finite Mathematics	3 hrs	
Cultural & Historical Foundation		3 hrs	
MUN XXXX	Major Ensemble	1 hr	
MUN XXXX	Minor Ensemble	1 hr	
MVX 242X	Performance II	2 hrs	
Professional Sequence Entrance Interview			

### Junior Year - Fall

MUH 3211	Music History and Literature I	3 hrs	17 hrs
MUS 1010	Music Forum	0 hrs	
Cultural & Historical Foundation		3 hrs	
MVX 343X	Performance III	3 hrs	
MUX 3/4XXX	Restricted Electives	3 hrs	
MUN XXXX	Major Ensemble	1 hr	
MUN XXXX	Minor Ensemble	1 hr	

### Junior Year - Spring

MUH 3212	Music History and Literature II	3 hrs	14 hrs
MUS 1010	Music Forum	0 hrs	
MUS 3953	Recital Performance I	0 hrs	
MUX 3/4XXX	Restricted Electives	3 hrs	
MUL 44XX	Literature and Pedagogy	3 hrs	
MVX 343X	Performance III	3 hrs	

MUN XXXX	Minor Ensemble	1 hr
MUN XXXX	Major Ensemble	1 hr
Professional Sequence Entrance Review		

### Senior Year - Fall

MUS 1010	Music Forum	0 hrs	14 hrs
Free Elective		2 hrs	
Social Foundation		3 hrs	
MVX 444X	Performance IV	4 hrs	
Science Foundation		3 hrs	
MUN XXXX	Major Ensemble	1 hr	
MUN 3XXX	Restricted Elective	1 hr	

### Senior Year - Spring

MUS 1010	Music Forum	0 hrs	12 hrs
MUS 4954	Recital Performance II	0 hrs	
Free Elective		2 hrs	
Social Foundation		3 hrs	
MVX 444X	Performance IV	4 hrs	
MUN XXXX	Major Ensemble	1 hr	
MUN 3XXX	Restricted Elective	1 hr	

## Program B: Percussion

### Freshman Year - Fall

ENC 1101	Composition I	3 hrs	14 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs	
MVK 1111	Class Piano I	1 hr	
MUS 1010	Music Forum	0 hrs	
MUL 2014	Introduction to Music History and Literature	3 hrs	
MVP 1411	Percussion I	2 hrs	
MUN XXXX	Major Ensemble	1 hr	

### Freshman Year - Spring

ENC 1102	Composition II	3 hrs	17 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 1411	Percussion I	2 hrs	
MUN XXXX	Major Ensemble	1 hr	
Science Foundation		3 hrs	

### Sophomore Year - Fall

SPC 1608	Fundamentals of Oral Communication	3 hrs	17 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 1060C	Basic Statistics Using Microsoft Excel	3 hrs	
MVK 2121	Class Piano III	1 hr	
MUN XXXX	Major Ensemble	1 hr	

### Sophomore Year - Spring

MUT 2127	Music Theory and Musicianship IV	4 hrs	15 hrs
MUN 3443	Percussion Ensemble	1 hr	
MVP 2421	Percussion II	2 hrs	
MVK 2122	Class Piano IV	1 hr	
MUS 1010	Music Forum	0 hrs	
MGF 1106	Finite Mathematics	3 hrs	
Cultural & Historical Foundation		3 hrs	
MUN XXXX	Major Ensemble	1 hr	
Professional Sequence Entrance Review			

### Junior Year - Fall

MUH 3211	Music History and Literature I	3 hrs	17 hrs
MVP 3431	Percussion III	2 hrs	
MUS 1010	Music Forum	0 hrs	
MUN 3443	Percussion Ensemble	1 hr	
MUT 4571	Analysis of Twentieth-Century Music	3 hrs	
Cultural & Historical Foundation		3 hrs	
MUX 3/4XXX	Restricted Elective	3 hrs	
MUN XXXX	Major Ensemble	1 hr	

### Junior Year - Spring

MUH 3212	Music History and Literature II	3 hrs	13 hrs
MUL 3463	Percussion Literature	2 hrs	
MVP 3431	Percussion III	2 hrs	
MUS 1010	Music Forum	0 hrs	
MUN 3443	Percussion Ensemble	1 hr	
MUS 3953	Recital Performance I	0 hrs	
MUX 3/4XXX	Restricted Electives	3 hrs	
MUN XXXX	Major Ensemble	1 hr	



## UCF Degree Programs

<b>Senior Year - Fall</b>	<b>15 hrs</b>	<b>Senior Year - Spring</b>	<b>14 hrs</b>
MVP 4441 Percussion IV	4 hrs	MUS 1010 Music Forum	0 hrs
MUS 1010 Music Forum	0 hrs	MUS 4954 Recital Performance II	0 hrs
MVP 3630 Percussion Pedagogy	2 hrs	MUN 3453 Piano Ensemble	1 hr
Social Foundation	3 hrs	MVK 4441 Piano IV	4 hrs
Science Foundation	3 hrs	Social Foundation	3 hrs
MUN XXXX Major Ensemble	1 hr	MUX 3/4XXX Restricted Electives	3 hrs
Free Elective	2 hrs	Free Elective	3 hrs
<b>Senior Year - Spring</b>	<b>12 hrs</b>	<b>Program D: Guitar</b>	
MVP 4441 Percussion IV	4 hrs	<b>Freshman Year - Fall</b>	<b>14 hrs</b>
MUS 1010 Music Forum	0 hrs	ENC 1101 Composition I	3 hrs
MUS 4954 Recital Performance II	0 hrs	MUT 1121 Music Theory and Musicianship I	4 hrs
Social Foundation	3 hrs	MUN 3487 Guitar Ensemble	1 hr
MUN XXXX Major Ensemble	1 hr	MVS 1416 Guitar I	2 hrs
MUN 3XXX Restricted Elective	1 hr	MVK 1111 Class Piano I	1 hr
Free Elective	3 hrs	MUS 1010 Music Forum	0 hrs
		MUL 2014 Introduction to Music History and Literature	3 hrs
<b>Program C: Piano</b>		<b>Freshman Year - Spring</b>	<b>17 hrs</b>
<b>Freshman Year - Fall</b>	<b>14 hrs</b>	ENC 1102 Composition II	3 hrs
ENC 1101 Composition I	3 hrs	MUT 1122 Music Theory and Musicianship II	4 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs	MUN 3487 Guitar Ensemble	1 hr
MUN 3453 Piano Ensemble	1 hr	MVS 1416 Guitar I	2 hrs
MVK 1111 Class Piano I	1 hr	MVK 1112 Class Piano II	1 hr
MUS 1010 Music Forum	0 hrs	MUS 1010 Music Forum	0 hrs
MUL 2014 Introduction to Music History and Literature	3 hrs	MUS 2360C Introduction to Music Technology	3 hrs
MVK 1411 Piano I	2 hrs	Science Foundation	3 hrs
<b>Freshman Year - Spring</b>	<b>17 hrs</b>	<b>Sophomore Year - Fall</b>	<b>16 hrs</b>
ENC 1102 Composition II	3 hrs	SPC 1608 Fundamentals of Oral Communication	3 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs	MUT 2126 Music Theory and Musicianship III	4 hrs
MUN 3487 Guitar Ensemble	1 hr	MUN 3487 Guitar Ensemble	1 hr
MVS 1416 Guitar I	2 hrs	MVS 2426 Guitar II	2 hrs
MVK 1112 Class Piano II	1 hr	MVK 2121 Class Piano IV	1 hr
MUS 1010 Music Forum	0 hrs	MUS 1010 Music Forum	0 hrs
MUS 2360C Introduction to Music Technology	3 hrs	MUG 3104 Basic Conducting	2 hrs
MVK 1411 Piano I	2 hrs	STA 1060C Basic Statistics Using Microsoft Excel	3 hrs
Science Foundation	3 hrs	<b>Sophomore Year - Spring</b>	<b>14 hrs</b>
<b>Sophomore Year - Fall</b>	<b>16 hrs</b>	MUT 2127 Music Theory and Musicianship IV	4 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs	MUN 3487 Guitar Ensemble	1 hr
MUT 2126 Music Theory and Musicianship III	4 hrs	MVS 2426 Guitar II	2 hrs
MUN 3453 Piano Ensemble	1 hr	MVK 2122 Class Piano IV	1 hr
MVK 2121 Class Piano III	1 hr	MUS 1010 Music Forum	0 hrs
MUS 1010 Music Forum	0 hrs	MGF 1106 Finite Mathematics	3 hrs
MUG 3104 Basic Conducting	2 hrs	Cultural & Historical Foundation	3 hrs
STA 1060C Basic Statistics Using Microsoft Excel	3 hrs	Professional Sequence Entrance Review	
MVK 2421 Piano II	2 hrs	<b>Junior Year - Fall</b>	<b>16 hrs</b>
<b>Sophomore Year - Spring</b>	<b>14 hrs</b>	MUH 3211 Music History and Literature I	3 hrs
MUT 2127 Music Theory and Musicianship IV	4 hrs	MVS 3436 Guitar III	2 hrs
MUN 3453 Piano Ensemble	1 hr	MUS 1010 Music Forum	0 hrs
MVK 2122 Class Piano IV	1 hr	MUN 3487 Guitar Ensemble	1 hr
MUS 1010 Music Forum	0 hrs	MUT 4571 Analysis of Twentieth-Century Music	3 hrs
MGF 1106 Finite Mathematics	3 hrs	MVS 4346 Guitar IV	4 hrs
Cultural & Historical Foundation	3 hrs	Cultural & Historical Foundation	3 hrs
Professional Sequence Entrance Review		MUX 3/4XXX Restricted Electives	3 hrs
<b>Junior Year - Fall</b>	<b>15 hrs</b>	<b>Junior Year - Spring</b>	<b>13 hrs</b>
MUH 3211 Music History and Literature I	3 hrs	MUH 3212 Music History and Literature II	3 hrs
MUL 3400 Piano Literature I	2 hrs	MUL 4437 String Literature and Pedagogy	3 hrs
MUS 1010 Music Forum	0 hrs	MVS 3436 Guitar III	2 hrs
MUN 3453 Piano Ensemble	1 hr	MUN 3487 Guitar Ensemble	1 hr
MUT 4571 Analysis of Twentieth-Century Music	3 hrs	MUS 1010 Music Forum	0 hrs
MVK 3431 Piano III	2 hrs	MUS 3953 Recital Performance I	0 hrs
Cultural & Historical Foundation	3 hrs	MVS 4346 Guitar IV	4 hrs
<b>Junior Year - Spring</b>	<b>15 hrs</b>	MUX 3/4XXX Restricted Electives	3 hrs
MUH 3212 Music History and Literature II	3 hrs	<b>Senior Year - Fall</b>	<b>16 hrs</b>
MUL 3401 Piano Literature II	2 hrs	MUS 1010 Music Forum	0 hrs
MUS 1010 Music Forum	0 hrs	MUN 3487 Guitar Ensemble	1 hr
MUN 3453 Piano Ensemble	1 hr	Social Foundation	3 hrs
MUS 3953 Recital Performance I	0 hrs	Science Foundation	3 hrs
MVK 3431 Piano III	2 hrs	MUX 3/4XXX Restricted Elective	3 hrs
MUX 3/4XXX Restricted Electives	6 hrs	Free Elective	2 hrs
<b>Senior Year - Fall</b>	<b>15 hrs</b>	<b>Senior Year - Spring</b>	<b>14 hrs</b>
MUS 1010 Music Forum	0 hrs	MUS 1010 Music Forum	0 hrs
MUN 3453 Piano Ensemble	1 hr	MUS 4954 Recital Performance II	0 hrs
MVK 4640 Piano Pedagogy I	2 hrs	MUN 3487 Guitar Ensemble	1 hr
MVK 4441 Piano IV	4 hrs	Social Foundation	3 hrs
Social Foundation	3 hrs	Science Foundation	3 hrs
Science Foundation	3 hrs	MUX 3/4XXX Restricted Electives	3 hrs
Free Elective	2 hrs	Free Elective	3 hrs

## UCF Degree Programs

### Program E: Voice

<b>Freshman Year - Fall</b>	<b>15 hrs</b>
ENC 1101 Composition I	3 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs
MUS 1250 IPA for Singers	1 hr
MVK 1111 Class Piano I	1 hr
MUS 1010 Music Forum	0 hrs
MUL 2014 Introduction to Music History and Literature	3 hrs
MVV 1411 Voice I	2 hrs
MUN XXXX Major Ensemble	1 hr

<b>Freshman Year - Spring</b>	<b>16 hrs</b>
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 2360C Introduction to Music Technology	3 hrs
MVV 1411 Voice I	2 hrs
MUN XXXX Major Ensemble	1 hr

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
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
MUS 1010 Music Forum	0 hrs
MUG 3104 Basic Conducting	2 hrs
MVV 2421 Voice II	2 hrs
MUN XXXX Major Ensemble	1 hr

<b>Sophomore Year - Spring</b>	<b>17 hrs</b>
MUT 2127 Music Theory and Musicianship IV	4 hrs
SPC 1608 Fundamentals of Oral Communication	3 hrs
MVK 2122 Class Piano IV	1 hr
MUS 1010 Music Forum	0 hrs
STA 1060C Basic Statistics Using Microsoft Excel	3 hrs
MVV 2421 Voice II	2 hrs
Cultural & Historical Foundation	3 hrs
MUN XXXX Major Ensemble	1 hr
Professional Sequence Entrance Review	

<b>Junior Year - Fall</b>	<b>15 hrs</b>
MUH 3211 Music History and Literature I	3 hrs
MUS 1010 Music Forum	0 hrs
MUT 4571 Analysis of Twentieth-Century Music	3 hrs
MVV 3431 Voice III	2 hrs
XXX 1120 Foreign Language	4 hrs
MUN XXXX Major Ensemble	1 hr
MUN XXXX Minor Ensemble	1 hr

<b>Junior Year - Spring</b>	<b>15 hrs</b>
MUH 3212 Music History and Literature II	3 hrs
MUS 1010 Music Forum	0 hrs
MUS 3953 Recital Performance I	0 hrs
MVV 3431 Voice III	2 hrs
Cultural & Historical Foundation	3 hrs
XXX 2121 Foreign Language	4 hrs
MUN XXXX Major Ensemble	1 hr
MUN XXXX Minor Ensemble	1 hr

<b>Senior Year - Fall</b>	<b>13 hrs</b>
MVV 4640 Voice Pedagogy	2 hrs
MUS 1010 Music Forum	0 hrs
MVV 4441 Voice IV	4 hrs
Social Foundation	3 hrs
Science Foundation	3 hrs
MUN XXXX Major Ensemble	1 hr

<b>Senior Year - Spring</b>	<b>14 hrs</b>
MUL 3602 Song Literature	3 hrs
MUS 1010 Music Forum	0 hrs
MUS 4954 Recital Performance II	0 hrs
MVV 4441 Voice IV	4 hrs
Social Foundation	3 hrs
Science Foundation	3 hrs
MUN XXXX Major Ensemble	1 hr

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alac/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alac/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Music Education (B.M.E.)

### College of Arts and Humanities

**Department of Music, Colbourn Hall, Room: 205A**

**<http://www.music.cah.ucf.edu>**

**E-mail: [musicaud@mail.ucf.edu](mailto:musicaud@mail.ucf.edu)**

A. Holcomb, [aholcomb@mail.ucf.edu](mailto:aholcomb@mail.ucf.edu), 407-823-4180

### Admission Requirements

#### Admission Requirements - Music Education

■ Audition. To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).

- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.

■ The audition will serve as a placement exam for accepted candidates.

■ Refer to the UCF Music Department website for specific audition requirements.

■ Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

■ Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

#### Admission Requirements - Professional Program

■ Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:

- Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
- Have a minimum overall GPA of 2.5 and a grade of "C" (2.0) or better in each performance, education, and music education course.
- Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
- Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

#### To be accepted into the Music Education Professional

##### Program students must:

- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

##### Notes:

- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
- (2) Students who change degree programs and select this major must adopt the most current catalog.
- (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

#### Degree Requirements

- None



## 1. UCF General Education Program (GEP) (36 hrs)

■ (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 MUH 3212 Music History and Literature II 3 hrs  
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs  
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

### C: Mathematical Foundations (6 hrs)

<sup>1</sup> Prefer MGF 1106 Finite Mathematics 3 hrs  
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (may substitute a higher level math)

### 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  
EDF 2085 Introduction to Diversity for Educators 3 hrs  
MUT 1121 Music Theory and Musicianship I 4 hrs  
MUT 1122 Music Theory and Musicianship II 4 hrs  
MUT 2126 Music Theory and Musicianship III 4 hrs  
MUT 2127 Music Theory and Musicianship IV 4 hrs  
MVK 2122 Class Piano IV 1 hr  
<sup>1</sup> 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

<sup>1</sup> 4 semesters

### 3. Core Requirements: Basic Level (5 hrs)

<sup>1</sup> MUS 1010 Music Forum CPP  
MUT 1121 Music Theory and Musicianship I 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

<sup>1</sup> 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 3 hrs  
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 3 hrs  
ESE 3940 Internship I - Secondary 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 ESOL Students in Schools and 3 hrs

EDF 4603 Analysis and Application of Ethical, Legal, 3 hrs

RED 4043 and Safety Issues in Schools and Content Reading in Kindergarten through Grade 12 3 hrs

## 5. Restricted Electives (26 hrs)

■ Music Education Specialty Area Courses and Professional Program Courses

■ Complete one program

### Program A - Instrumental

MUE 2346 Vocal Techniques 1 hr  
MUG 3302 Instrumental Conducting and Materials 1 hr  
MUE 4332 Secondary Instrumental Methods I 3 hrs  
ESE 4943 Internship II - Secondary 7 hrs  
MUE 4394 Seminar in Music Teaching 1 hr

### Select 1: 3 hrs

MUE 4335 Secondary Choral Methods II or 3 hrs  
MUE 4441 String Methods 3 hrs

### Select 5: 5 hrs

MUE 2450 Woodwind Techniques I or 1 hr  
MUE 3451 Woodwind Techniques II or 1 hr  
MUE 2460 Brass Techniques or 1 hr  
MUE 3461 Brass Techniques II or 1 hr  
MUE 2470 Percussion Techniques or 1 hr  
MUE 2471 Percussion Techniques II or 1 hr  
MUE 2440 String Techniques 1 hr

### Select 5: 5 hrs

MUE 2440 String Techniques or 1 hr  
MUE 2450 Woodwind Techniques I or 1 hr  
MUE 2460 Brass Techniques or 1 hr  
MUE 2470 Percussion Techniques or 1 hr  
MUE 2471 Percussion Techniques II or 1 hr  
MUE 3451 Woodwind Techniques II or 1 hr  
MUE 3461 Brass Techniques II 1 hr

### Program B - Choral

MUS 1250 IPA for Singers 1 hr  
MUG 3202 Choral Conducting and Materials 1 hr  
MVV 4640 Voice Pedagogy 2 hrs  
MUE 4331 Secondary Choral Methods I 3 hrs  
MUE 4337 Secondary Instrumental Methods II 3 hrs  
MUE 4394 Seminar in Music Teaching 1 hr  
ESE 4943 Internship II - Secondary 7 hrs  
MUE 4943 Music Internship II 12 hrs  
MUE 4335 Secondary Choral Methods II 3 hrs

### Select 3: 3 hrs

MUE 2450 Woodwind Techniques I or 1 hr  
MUE 3451 Woodwind Techniques II or 1 hr  
MUE 2460 Brass Techniques or 1 hr  
MUE 3461 Brass Techniques II or 1 hr  
MUE 2470 Percussion Techniques or 1 hr  
MUE 2471 Percussion Techniques II or 1 hr  
MUE 2440 String Techniques 1 hr

### Program C - Elementary School

MUE 2346 Vocal Techniques 1 hr  
MUE 4393 Music and Students with Special Needs 2 hrs  
MUE 3353 General Music Literature and Techniques 2 hrs  
MUE 4331 Secondary Choral Methods I 3 hrs  
MUE 4394 Seminar in Music Teaching 1 hr  
ESE 4943 Internship II - Secondary 7 hrs

### Select 4: 4 hrs

MUE 2450 Woodwind Techniques I or 1 hr  
MUE 3451 Woodwind Techniques II or 1 hr  
MUE 2460 Brass Techniques or 1 hr  
MUE 3461 Brass Techniques II or 1 hr  
MUE 2470 Percussion Techniques or 1 hr  
MUE 2471 Percussion Techniques II or 1 hr  
MUE 2440 String Techniques 1 hr  
MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

## 6. Capstone Requirements

■ None

## 7. Foreign Language Requirements

### Admissions

■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

# UCF Degree Programs

## Graduation

- None

## 8. Electives

- None

## 9. Additional Requirements

### Admission to Internship I will be granted to students

#### who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C" or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (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.

### Recitals

- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

### CMENC Membership

- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

### Music Education Forums

- Attendance at all Music Education Forums (except during Internship I and II) is expected

### Public School Partnerships

- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of "C" (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following:  
MUE 3693    Technology in Music Education    2 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 134

### Honors In Major

- None

### Related Programs

- Music
- Theatre

### Certificates

- Florida Teaching Certification: Music K-12

### Related Minors

- Music
- Theatre

### Advising Notes

- Consult with the music education advisor for course selection

### Transfer Notes

- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses 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
MUT 1121	Music Theory and Musicianship I	4 hrs
MVK 1111	Class Piano I	1 hr
MUE 2346	Vocal Techniques	1 hr
MUS 1010	Music Forum	0 hrs
MXV 141X	Performance I	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		
GEP		3 hrs
GEP		3 hrs

### Freshman Year - Spring 16 hrs

- Take General Knowledge Test

MUL 2014	Introduction to Music History and Literature	3 hrs
MVK 1112	Class Piano II	1 hr
MUT 1122	Music Theory and Musicianship II	4 hrs
MUS 1010	Music Forum	0 hrs
GEP		3 hrs
GEP		3 hrs
MXV 141X	Intro to Music Literature	3 hrs
MUN 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
MUH 3211	Music History and Literature I	3 hrs
MUS 1010	Music Forum	0 hrs
GEP		3 hrs
MUE XXXX	Techniques	1 hr
MUE XXXX	Techniques	1 hr
MXV 242X	Performance II	2 hrs
MUN 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
MUH 3212	Music History and Literature II	3 hrs
MUS 1010	Music Forum	0 hrs
MUE XXXX	Techniques	1 hr
MUE XXXX	Techniques	1 hr
MXV 242X	Performance II	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

### Junior Year - Fall 15 hrs

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
MXV 343X	Performance III	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

### Junior Year - Spring 17 hrs

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 1: 3 hrs

MUE 4335	Secondary Choral Methods II or	3 hrs
MUE 4441	String Methods	3 hrs
GEP		3 hrs
MXV 343X	Performance III	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

### Senior Year - Fall 14 hrs

- Take PET and Music Examination of FTCE

ESE 3940	Internship I - Secondary	3 hrs
MUE 3333	Music Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
MUE 4311	Elementary School Music Methods	2 hrs
GEP		3 hrs
CMENC		
CMENC		

### Senior Year - Spring 15 hrs

ESE 4943	Internship II - Secondary	7 hrs
MUE 4394	Seminar in Music Teaching	1 hr
GEP		3 hrs

### Senior Year - Summer 9 hrs

GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

### Program B - Choral Program K-12

#### Freshman Year - Fall 17 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs
MVK 1111	Class Piano I	1 hr
MUS 1250	IPA for Singers	1 hr
MUS 1010	Music Forum	0 hrs
GEP		6 hrs
MXV 141X	Performance I	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

#### Freshman Year - Spring 16 hrs

- Take General Knowledge Test

MUL 2014	Introduction to Music History and Literature	3 hrs
MUT 1122	Music Theory and Musicianship II	4 hrs
MVK 1112	Class Piano II	1 hr
MUS 1010	Music Forum	0 hrs
GEP		6 hrs
MXV 141X	Performance I	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

#### Sophomore Year - Fall 17 hrs

MUS 1010	Music Forum	0 hrs
MUT 2126	Music Theory and Musicianship III	4 hrs
MVK 2121	Class Piano III	1 hr
MUH 3211	Music History and Literature I	3 hrs
GEP		6 hrs
MUE XXXX	Techniques	1 hr
MXV 242X	Performance II	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

#### Sophomore Year - Spring 15 hrs

- Apply for Professional Program

MUS 1010	Music Forum	0 hrs
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
MUH 3212	Music History and Literature II	3 hrs
MUE XXXX	Techniques	1 hr
MXV 242X	Performance II	2 hrs
MUN XXXX	Ensemble	1 hr
CMENC/Schools		

## UCF Degree Programs

<b>Junior Year - Fall</b>	<b>16 hrs</b>
MUS 1010 Music Forum	0 hrs
MUG 3104 Basic Conducting	2 hrs
MUE 4331 Secondary Choral Methods I	3 hrs
EDG 4323 Professional Teaching Practices	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
MVV 4640 Voice Pedagogy	2 hrs
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	
<b>Junior Year - Spring</b>	<b>15 hrs</b>
MUS 1010 Music Forum	0 hrs
MUG 3202 Choral Conducting and Materials	1 hr
MUE 4337 Secondary Instrumental Methods II	3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12	3 hrs
EME 2040 Introduction to Technology for Educators	3 hrs
MUS 3953 Recital Performance I	0 hrs
MUE 4335 Secondary Choral Methods II	3 hrs
MUS 2360C Introduction to Music Technology	3 hrs
MUE XXXX Techniques	1 hr
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	
<b>Senior Year - Fall</b>	<b>14 hrs</b>
■ Take PET and Music Examination of FTCE	
ESE 3940 Internship I - Secondary	3 hrs
MUE 3333 Music Learning Theory and Assessment	3 hrs
MUE 4311 Elementary School Music Methods	2 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs
GEP	3 hrs
CMENC	
<b>Senior Year - Spring</b>	<b>15 hrs</b>
ESE 4943 Internship II - Secondary	7 hrs
MUE 4394 Seminar in Music Teaching	1 hr
MUE 4943 Music Internship II	12 hrs
GEP	3 hrs
CMENC	
<b>Senior Year - Summer</b>	<b>9 hrs</b>
■ Remaining 3 GEP courses taken as part of 9 required summer hours	
<b>Program C - Elementary Program</b>	
<b>Freshman Year - Fall</b>	<b>17 hrs</b>
EDF 2005 Introduction to the Teaching Profession	3 hrs
MUT 1121 Music Theory and Musicianship I	4 hrs
MVK 1111 Class Piano I	1 hr
MUE 2346 Vocal Techniques	1 hr
MUS 1010 Music Forum	0 hrs
GEP	6 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	
<b>Freshman Year - Spring</b>	<b>16 hrs</b>
■ Take General Knowledge Test	
MUL 2014 Introduction to Music History and Literature	3 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs
MUS 1010 Music Forum	0 hrs
GEP	6 hrs
MXV 141X Performance I	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	
<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
MUS 1010 Music Forum	0 hrs
MUT 2126 Music Theory and Musicianship III	4 hrs
MVK 2121 Class Piano III	1 hr
MUH 3211 Music History and Literature I	3 hrs
GEP	3 hrs
MUE XXXX Techniques	2 hrs
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	

<b>Sophomore Year - Spring</b>	<b>16 hrs</b>
■ Apply of Professional Program	
MUS 1010 Music Forum	0 hrs
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
MUH 3212 Music History and Literature II	3 hrs
MUE XXXX Techniques	2 hrs
MXV 242X Performance II	2 hrs
MUN XXXX Ensemble	1 hr
MUN XXXX Ensemble	1 hr
CMENC/Schools	
<b>Junior Year - Fall</b>	<b>15 hrs</b>
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
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
GEP	3 hrs
CMENC/Schools	
<b>Junior Year - Spring</b>	<b>16 hrs</b>
MUS 1010 Music Forum	0 hrs
MUE 3353 General Music Literature and Techniques	2 hrs
RED 4043 Content Reading in Kindergarten through Grade 12	3 hrs
MUS 3953 Recital Performance I	0 hrs
EME 2040 Introduction to Technology for Educators	3 hrs
MUS 2360C Introduction to Music Technology	3 hrs
MUG 3X02 Choral or Instrumental Conducting	2 hrs
GEP	3 hrs
MXV 343X Performance III	2 hrs
MUN XXXX Ensemble	1 hr
CMENC/Schools	
<b>Senior Year - Fall</b>	<b>15 hrs</b>
■ Take PET and Music Examination of FTCE	
ESE 3940 Internship I - Secondary	3 hrs
MUE 3333 Music Learning Theory and Assessment	3 hrs
<b>Select 1:</b>	<b>3 hrs</b>
MUE 4331 Secondary Choral Methods I or	3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs
GEP	3 hrs
CMENC	
<b>Senior Year - Spring</b>	<b>15 hrs</b>
ESE 4943 Internship II - Secondary	7 hrs
MUE 4394 Seminar in Music Teaching	1 hr
MUE 4943 Music Internship II	12 hrs
GEP	3 hrs
CMENC	
<b>Senior Year - Summer</b>	<b>9 hrs</b>
■ Remaining 3 GEP courses taken as part of 9 required summer hours	
<b>Program Academic Learning Compacts</b>	
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:	
<a href="http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm</a>	
<b>Equipment Fees</b>	
■ Part-Time Student: \$45 per term	
■ Full-Time Student: \$90 per term	

**Nursing (B.S.N.)**

**College of Nursing**

**UTWR, Room: 3rd floor**

**<http://www.nursing.ucf.edu>**

**E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)**

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Associate Dean, Undergraduate

Patricia Leli, Undergraduate Coordinator

407-823-2744

For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

**Admission Requirements**

- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit <http://www.nursing.ucf.edu>.
- Application for admission to the University must also be submitted by the program Application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at <http://www.nursing.ucf.edu>.
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

**Group A 9 hrs**

- A minimum of three courses, with a grade of C (2.00) or better.
  - May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
- |   |       |
|---|-------|
| Microbiology with Lab                   | 4 hrs |
| Anatomy with Lab                        | 4 hrs |
| <sup>1</sup> CHM 1032 General Chemistry | 3 hrs |
| Physiology with Lab                     | 4 hrs |

<sup>1</sup> or other approved Physical or Life Science

**Group B 9 hrs**

- A minimum of three courses, with grade of C (2.0) or better at time of application.
  - All courses must be completed before program begins.
- |                          |       |
|--------------------------|-------|
| Sociology or             | 3 hrs |
| Psychology               | 3 hrs |
| Developmental Psychology | 3 hrs |
| Human Nutrition          | 3 hrs |
| Statistics               | 3 hrs |

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog year, including any minors

- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites

- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program

■ UCF Residency Requirement: 30 hours

**1. UCF General Education Program (GEP) (38 hrs)**

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

**1. Mathematics 3 hrs**

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Prefer	MAC 1105C	College Algebra	3 hrs
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**2. Statistics 3 hrs**

Required	STA 2014C	Principles of Statistics or	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

**D: Social Foundations (6 hrs)**

**1. Economics/Political Science 3 hrs**

Prefer	ECO 2013	Principles of Macroeconomics	3 hrs
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or

Prefer	ECO 2023	Principles of Microeconomics	3 hrs
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or

Prefer	POS 2041	American National Government	3 hrs
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**2. Social Sciences 3 hrs**

Prefer	PSY 2012	General Psychology or	3 hrs
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Prefer	SYG 2000	Introduction to Sociology	3 hrs
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**E: Science Foundations (8 hrs)**

**1. Physical Sciences 3 hrs**

Suggested	CHM 1032	General Chemistry	3 hrs
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**2. Life Sciences 4 hrs**

Required	BSC 2010C	Biology I	4 hrs
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**2. Common Program Prerequisites (CPP) (21 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at <http://www.nursing.ucf.edu>

PSY 2012	General Psychology	GEP
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SYG 2000	Introduction to Sociology	GEP
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MCB 2004C	Microbiology for Health Professionals	4 hrs
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ZOO 3733C	Human Anatomy	4 hrs
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PCB 3703C	Human Physiology	4 hrs
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HUN 3011	Human Nutrition	3 hrs
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<sup>1</sup> CHM 1032	General Chemistry	GEP
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**Select 1: 3 hrs**

STA 2014C	Principles of Statistics or	GEP
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STA 2023	Statistical Methods I	GEP
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**Select 1: 3 hrs**

SOW 3104	Assessing I: Human Development or	3 hrs
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DEP 2004C	Developmental Psychology	3 hrs
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<sup>1</sup> or other approved Life/Physical Science

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (62 hrs)**

- Any variation from the following must be approved in advance by the College of Nursing.

NUR 3065	Health Assessment	2 hrs
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NUR 3065L	Health Assessment Lab	1 hr
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## UCF Degree Programs

NUR 3825	The Role of the Professional Nurse	2 hrs
NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3634	Community Health Nursing	3 hrs
NUR 3634L	Community Health Nursing Clinical	2 hrs
NUR 3125	Pathophysiology for Nursing Practice	3 hrs
NUR 3145	Pharmacology for Nursing Practice	3 hrs
NUR 3225	Nursing Care of the Adult I	3 hrs
NUR 3225L	Nursing Care of the Adult 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 graduation.
- Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program. Students must:
  - Complete all courses in major with at least a "C" (2.0).
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- All courses in major must be "C" (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 122

### Honors In Major

#### Honors Option Requires:

- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

### Related Programs

- Health Services Administration
- Social Work

### Certificates

- Aging Studies

### Related Minors

- Psychology
- Health Sciences
- Health Services Administration

### Advising Notes

- None

### Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:

CHM 1032: May substitute any college Chemistry course or approved Physical or Life Science course.	3 hrs
DEP 2004: May substitute any Human Growth & Development across Life Span	3 hrs
HUN 3011: May substitute any Human Nutrition course	3 hrs
MCB 2004C: May substitute any Microbiology course which has a lab.	4 hrs
PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).	4 hrs
PSY 2012: May substitute any General Psychology course.	3 hrs
STA 2014C: May substitute STA2023 or equivalent.	3 hrs
SYG 2000: May substitute any Introductory Sociology course.	3 hrs
ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).	4 hrs

### Plan of Study

<b>Freshman Year - Fall</b>	<b>13 hrs</b>
SYG 2000 Introduction to Sociology	3 hrs
MAC 1105C College Algebra	3 hrs
BSC 2010C Biology I	4 hrs
<sup>1</sup> GEP	3 hrs

<sup>1</sup> General Education or SLS 1501

<b>Freshman Year - Spring</b>	<b>13 hrs</b>
PSY 2012 General Psychology	3 hrs
<sup>1</sup> STA 2023 Statistical Methods I	3 hrs
CHM 1032 General Chemistry	3 hrs
<sup>2</sup> GEP	3 hrs

<sup>1</sup> or STA 2014C

<sup>2</sup> General Education Course

<b>Freshman Year - Summer</b>	<b>4 hrs</b>
MCB 2004C Microbiology for Health Professionals	4 hrs

<b>Sophomore Year - Fall</b>	<b>13 hrs</b>
ZOO 3733C Human Anatomy	4 hrs
GEP	3 hrs
GEP	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
SOW 3104 Assessing I: Human Development or	3 hrs
DEP 2004C Developmental Psychology	3 hrs

<b>Sophomore Year - Spring</b>	<b>13 hrs</b>
PCB 3703C Human Physiology	4 hrs
GEP	3 hrs
GEP	3 hrs
HUN 3011 Human Nutrition	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
NUR 3825 The Role of the Professional Nurse	2 hrs
NUR 3065 Health Assessment	2 hrs
NUR 3065L Health Assessment Lab	1 hr
NUR 3028 Essentials of Nursing Practice	2 hrs
NUR 3755L Essentials of Nursing Practice Clinical	2 hrs
NUR 3028L Essentials of Nursing Practice Lab	1 hr
NUR 3634 Community Health Nursing	3 hrs
NUR 3634L Community Health Nursing Clinical	2 hrs

<b>Junior Year - Spring</b>		<b>16 hrs</b>
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

<b>Junior Year - Summer</b>		<b>6 hrs</b>
NUR 3165	Nursing Research	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR XXXX	Nursing Elective	3 hrs

<b>Senior Year - Fall</b>		<b>12 hrs</b>
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs
NUR XXXX	Nursing Elective if needed	3 hrs

<b>Senior Year - Spring</b>		<b>13 hrs</b>
NUR 4257	Introduction to Critical Care Nursing	3 hrs
NUR 4945L	Nursing Practicum	4 hrs
NUR 4637	Public Health Nursing	2 hrs
NUR 4637L	Public Health Nursing Clinical	1 hr
NUR 4828	Leadership, Management and Role Transition	3 hrs

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alcal/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcal/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

## Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)

### College of Nursing

**UTWR, Room: 3rd floor**

<http://www.nursing.ucf.edu/>

**E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)**

407-823-2744

A partnership between selected State/Community Colleges and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

#### Admission Requirements

- Acceptance to the University does not constitute admission to this program. Only students admitted to the State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first semester of nursing and must progress according to a designated plan of study.

- Students not yet admitted to UCF must make application and be accepted by the University prior to admission to the ASN program. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.

- Criminal background checks and drug screening are required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

#### At the time of application, students must have:

- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at the State/Community College ASN Nursing program.
- An AA degree from a Florida State/Community College or have met ALL UCF General Education requirements at time of application.
- Met UCF Foreign Language admission requirement.

- Completed pre-requisite coursework for both the UCF and the ASN nursing programs.
- CLAS requirement satisfied.
- A satisfactory score on the standardized entry test required by both programs.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

Prefer MAC 1105C College Algebra 3 hrs

**Select 1: (3 hrs)**

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)**

Prefer SYG 2000 Introduction to Sociology or 3 hrs

Prefer PSY 2012 General Psychology 3 hrs

**Select 1: (3 hrs)**

Prefer ECO 2013 Principles of Macroeconomics 3 hrs

or

Prefer ECO 2023 Principles of Microeconomics 3 hrs

or

Prefer POS 2041 American National Government 3 hrs

**E: Science Foundations (7 hrs)**

<sup>1</sup> Required BSC 2010C Biology I 4 hrs

<sup>2</sup> Required CHM 1032 General Chemistry 3 hrs

<sup>1</sup> CHM 1032L General Chemistry Laboratory 1 hr

Suggested

<sup>1</sup> 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.

<sup>2</sup> or other Physical Science

**2. Common Program Prerequisites (CPP) (18 hrs)**

- Applicants should see a UCF Nursing Advisor for possible course substitutions.

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MCB 2004C Microbiology for Health Professionals 4 hrs

<sup>1</sup> CHM 1032 General Chemistry GEP

<sup>2</sup> ZOO Human Anatomy 4 hrs

3733C

<sup>3</sup> PCB 3703C Human Physiology 4 hrs

HUN 3011 Human Nutrition 3 hrs

**Select 1:**

STA 2023 Statistical Methods I or GEP

<sup>4</sup> STA 2014C Principles of Statistics GEP

**Select 1: (3 hrs)**

SOW 3104 Assessing I: Human Development or 3 hrs

DEP 2004C Developmental Psychology 3 hrs

**Select 1:**

<sup>4</sup> PSY 2012 General Psychology or GEP

<sup>4</sup> SYG 2000 Introduction to Sociology GEP

## UCF Degree Programs

<sup>1</sup> Or other Physical or Life Science Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

<sup>2</sup> May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.

<sup>3</sup> May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.

<sup>4</sup> Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (52 hrs)

#### Core UCF Requirements 25 hrs

NUR 3806	Professional Socialization Seminar	1 hr
NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr
NUR 3805	Dimensions of Professional Nursing Practice	3 hrs

NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs
NUR 4637	Public Health Nursing	2 hrs
NUR 4604L	Practicum in Community and Public Health Nursing for RNs	4 hrs

#### Upper Division Credit 27 hrs

- May be met by validation

NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3225	Nursing Care of the Adult I	3 hrs
NUR 3225L	Nursing Care of the Adult I: Clinical Practice	2 hrs

NUR 3445	Nursing Care of Families	3 hrs
NUR 3445L	Nursing Care of Families Clinical	2 hrs
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs

NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs

### 5. Restricted Electives (6 hrs)

Any two upper division nursing electives 6 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- variable to meet degree requirements

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Health Services Administration
- Social Work

### Certificates

- Aging Studies

### Related Minors

- Health Sciences
- Health Services Administration
- Psychology

### Advising Notes

- None

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

(31 hrs)

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oaes.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

## Nursing - R.N. to B.S.N. Program (B.S.N.)

### College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu>

E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)

Stephen Heglund, RN to BSN Coordinator  
Dr. Linda Hennig, Assoc. Dean Undergraduate  
Dr. Jean Leuner, Dean  
407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see <http://distrib.ucf.edu/home>.

### Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing.
- All applicants must have: Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS); completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.
- Completion of program prerequisite courses with at least a grade of "C" (2.0) or better in each course.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.



- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

Prefer MAC 1105C College Algebra 3 hrs

**Select 1: 3 hrs**

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**

<sup>1</sup> Required SYG 2000 Introduction to Sociology or 3 hrs

<sup>1</sup> Required PSY 2012 General Psychology 3 hrs

**Select 1: 3 hrs**

Suggested ECO 2013 Principles of Macroeconomics 3 hrs

or

Suggested ECO 2023 Principles of Microeconomics 3 hrs

or

Suggested POS 2041 American National Government 3 hrs

<sup>1</sup> One of these courses is required to meet General Education requirements.

**E: Science Foundations (6 hrs)**

Required BSC 2010C Biology I 4 hrs

<sup>1</sup> Required CHM 1032 General Chemistry 3 hrs

<sup>1</sup> Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition(HUN 3011)

**2. Common Program Prerequisites (CPP) (18 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

**Select 1:**

<sup>1</sup> PSY 2012 General Psychology or GEP

<sup>2</sup> SYG 2000 Introduction to Sociology GEP

MCB 2004C Microbiology for Health Professionals 4 hrs

<sup>3</sup> CHM 1032 General Chemistry GEP

<sup>4</sup> ZOO Human Anatomy 4 hrs

3733C

<sup>4</sup> PCB 3703C Human Physiology 4 hrs

HUN 3011 Human Nutrition 3 hrs

**Select 1:**

<sup>2</sup> STA 2014C Principles of Statistics or GEP

STA 2023 Statistical Methods I GEP

**Select 1: 3 hrs**

SOW 3104 Assessing I: Human Development or 3 hrs

DEP 2004C Developmental Psychology 3 hrs

<sup>1</sup> PSY 2012 or SYG 2000 Also meet General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

<sup>2</sup> Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

<sup>3</sup> (or other Physical or Life Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

<sup>4</sup> 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 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 4 hrs

Nursing for RNs

NUR 4828 Nursing Leadership, Management and 3 hrs

Role Transition

NUR 4637 Public Health Nursing 2 hrs

**Upper Division Credit 27 hrs**

■ Upper Division Credit may be met by Validation.

NUR 3028 Essentials of Nursing Practice 2 hrs

NUR 3755L Essentials of Nursing Practice Clinical 2 hrs

NUR 3028L Essentials of Nursing Practice Lab 1 hr

NUR 3225 Nursing Care of the Adult I 3 hrs

NUR 3225L Nursing Care of the Adult I: Clinical 2 hrs

Practice

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 3 hrs

Practice

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.

■ 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) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System

(SUS); 3) complete Nursing prerequisites; 4) CLAS requirement satisfied;

and 5) complete foreign language admission requirement

**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.

# UCF Degree Programs

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Health Services Administration
- Social Work

## Certificates

- Aging Studies

## Related Minors

- Health Sciences
- Health Information Management
- Health Services Administration
- Psychology

## Advising Notes

- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

## Transfer Notes

- None

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study (30 hrs)

- assuming general education, foreign language, and nursing prerequisites are complete

### Junior Year - Fall

NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr

### Junior Year - Spring

NUR 3165	Nursing Research	3 hrs
NUR 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 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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

## Philosophy (B.A.)

### College of Arts and Humanities

### Department of Philosophy, Psychology Building,

### Room: 220

<http://www.philosophy.cah.ucf.edu/>

**E-mail: [philosophy@mail.ucf.edu](mailto:philosophy@mail.ucf.edu)**

Dr. Don Jones, [donjones@mail.ucf.edu](mailto:donjones@mail.ucf.edu), 407-823-2273

Dr. Jennifer Mundale, [jmundale@pegasus.cc.ucf.edu](mailto:jmundale@pegasus.cc.ucf.edu), 407-823-2273

407-823-2273

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

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)

<sup>1</sup> Prefer	MGF 1106	Finite Mathematics	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> May substitute a higher level math course.

#### 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

#### Core (6 hrs)

<sup>1</sup> PHI 3083	Research Methods in Philosophy	3 hrs
PHI 4938	Senior Research Seminar	3 hrs

<sup>1</sup> 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
PHI 3790	African Philosophy	3 hrs

#### Values and Society (6 hrs)

#### Select 2: (6 hrs)

PHI 3670	Ethical Theory or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs

PHM 3401	Philosophy of Law or	3 hrs
PHI 3800	Aesthetics or	3 hrs

PHM 3123	Feminist Theories or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs

PHI 3625	Virtual Ethics or	3 hrs
PHI 4633	Ethics and Biological Science or	3 hrs

PHM 3100	Freedom and Justice or	3 hrs
PHI 3640	Environmental Ethics or	3 hrs

PHM 4031	Environmental Philosophy or	3 hrs
PHH 3701	Native American Philosophy or	3 hrs

PHI 3805	Contemporary Aesthetics	3 hrs
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<b>Being and Knowing</b>	<b>6 hrs</b>
<b>Select 2:</b>	<b>6 hrs</b>
PHI 4500 Metaphysics or	3 hrs
PHI 4341 Ways of Knowing or	3 hrs
PHI 4300 Theories of Knowledge or	3 hrs
PHI 3700 Philosophy of Religion or	3 hrs
PHI 4400 Philosophy of Science or	3 hrs
PHI 3320 Philosophy of Mind or	3 hrs
PHI 3451 Philosophy of Psychology or	3 hrs
PHI 4420 Philosophy of Social Science or	3 hrs
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or	3 hrs
PHP 4782 Phenomenology or	3 hrs
PHI 4221 Philosophy of Language	3 hrs

<b>Topics in Philosophy</b>	<b>3 hrs</b>
<b>Select 1:</b>	<b>3 hrs</b>
<ul style="list-style-type: none"> <li>■ Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.</li> </ul>	
PHI 4931 Philosophy in the News or	3 hrs
PHI 3683 Philosophy of Friendship or	3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHI 3648 Ethical Implications of the Human Genome Project or	3 hrs
PHM 3022 Sexuality, Gender & Philosophy or	3 hrs
PHI 3033 Philosophy, Religion, and the Environment or	3 hrs
PHI 4804 Critical Theory or	3 hrs
PHP 3783 Modernity as a Philosophical Problem or	3 hrs
PHI 3750 The Problem of Evil or	3 hrs
PHI 3720 Faith and Reason or	3 hrs
PHI 3803 Philosophy and Creativity or	3 hrs
PHI 3941 Philosophy Practicum or	3 hrs
REL 3111 Religion and Philosophy Through Film or	3 hrs
PHP 3786 Existentialism 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.

<b>Computer Competency met by one of the following:</b>	<b>3 hrs</b>
PHI 4970H Undergraduate Honors Thesis or	1 hr
PHI 4938 Senior Research Seminar or	3 hrs
STA 1060C Basic Statistics Using Microsoft Excel	3 hrs

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

■ Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

**Core Requirements 36 hrs**

■ Same requirements as for regular majors, but must include the following:

PHI 2101 Formal Logic I	3 hrs
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**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 2010 Introduction to Philosophy	3 hrs
SPN 1120C Elementary Spanish Language and Civilization I	4 hrs

**Freshman Year - Spring 16 hrs**

ENC 1102 Composition II	3 hrs
HUM 2230 Humanistic Tradition II	3 hrs
STA 1060C Basic Statistics Using Microsoft Excel	3 hrs
Restricted Elective	3 hrs
SPN 1121C Elementary Spanish Language and Civilization II	4 hrs

**Sophomore Year - Fall 15 hrs**

GEP	3 hrs
GEP	3 hrs

# UCF Degree Programs

GEP	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
GEP	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
PHI 3083 Research Methods in Philosophy	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>
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.o eas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

## Photography (B.S.)

### College of Arts and Humanities

### School of Visual Arts and Design

<http://svad.cah.ucf.edu>

Jason Burrell, 386-506-3944

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-B.F.A. programs.)

The School of Visual Art and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

#### Admission Requirements

■ Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a "C" in each required upper level course and maintain an overall GPA of at least 2.0

#### 1. UCF General Education Program (GEP) (36 hrs)

■ Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<sup>1</sup> Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs
SPC 2600 Speech (A.S.)	3 hrs

<sup>1</sup> If not already completed as part of the A.S. degree, after acceptance into the program.

<b>B: Cultural &amp; Historical Foundations</b>	<b>(6 hrs)</b>
<sup>1</sup> Required ARH 2051 History of Western Art II	3 hrs

<sup>1</sup> If not already completed as part of the A.S. degree, after acceptance into the program.

<b>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
If not already completed as part of the A.S. degree, after 3 hrs acceptance into the program.	

Required MAC 1105C College Algebra or	3 hrs
MGF 2106 College Mathematics or	3 hrs
MGF 2107 Mathematics for Liberal Arts	3 hrs
Computer Science or Statistics	3 hrs

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
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

<b>E: Science Foundations</b>	<b>(6 hrs)</b>
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.
  - <sup>1</sup> ARH 2051 History of Western Art II 3 hrs
  - <sup>2</sup> PGY 3610C Photojournalism I 3 hrs
  - PGY 1403\* Fundamentals of Photography (Already included in A.S. requirements)

<sup>1</sup> Already included in A.S. requirements.

<sup>2</sup> Already included in B.S. requirements.

#### 3. Core Requirements: Basic Level (49 hrs)

■ A.S. Required Courses:	
■ (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)	
PGY 1115 Color Materials and Processes	7 hrs
PGY 1403 Fundamentals of Photography	4 hrs
PGY 1806 Digital Imaging	4 hrs
PGY 2000 History and Aesthetics of Photography	3 hrs
PGY 2107 Large Format Photography	4 hrs
PGY 2215 Professional Studio Portraiture	4 hrs
PGY 2216 Location Photography	4 hrs
PGY 1800 Photography and the Digital Image	4 hrs
PGY 2300 Field Survey of Professional Workshop	3 hrs
PGY 2650 Editorial Photography	4 hrs
PGY 2470 Advanced Photography Workshop OR	4 hrs
PGY 2935 Portfolio Workshop	4 hrs

#### 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	3 hrs
PGY 3653C Advanced Editorial Photography	3 hrs
PGY 3703C Photography & the Web	3 hrs
PGY 3751C Videography	3 hrs
<sup>1</sup> CRW 3011 Creative Writing for Non-Majors	3 hrs
<sup>1</sup> ENC 3250 Professional Writing	3 hrs

<sup>1</sup> 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, the CLAS and nine hours of Summer credit (if applicable)

**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/alcl/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcl/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

**Physics (B.S.)**

**College of Sciences**

**Department of Physics, Math and Physics, Room: 310**

<http://www.physics.ucf.edu>

**E-mail: physics@ucf.edu**

Dr. Talat Rahman

407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
MAC 2311	Calculus with Analytic Geometry I	4 hrs
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	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

**1. UCF General Education Program (GEP) (38 hrs)**

- Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

**A: Communication Foundations (9 hrs)**

Prefer	SPC 1603	Fundamentals of Technical Presentations	3 hrs
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**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)**

**C: Mathematical Foundations (7 hrs)**

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	COP 3502C	Computer Science I	3 hrs

**D: Social Foundations (6 hrs)**

**E: Science Foundations**

**1. Physical Science: (4 hrs)**

Required	PHY 2048C	Physics for Engineers & Scientists I	4 hrs
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**2. Life sciences: (3 hrs)**

Select from the E.2. GEP list. 3 hrs

**2. Common Program Prerequisites (CPP) (20 hrs)**

MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
PHY 2048C	Physics for Engineers & Scientists I	GEP
PHY 2049C	Physics for Engineers and Scientists II	4 hrs

# UCF Degree Programs

Note: These courses are considered equivalent.

CHM 2045C Chemistry Fundamentals I 4 hrs

or - students with little chemistry background should select this sequence.

CHM 2040 Chemistry Fundamentals IA and 3 hrs  
CHM 2041 Chemistry Fundamentals IB 3 hrs

### 3. Core Requirements: Basic Level (36 hrs)

■ Required of all specializations.

MAP 2302 Differential Equations 3 hrs  
PHY 3101 Physics for Engineers and Scientists III 3 hrs  
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs  
PHY 3220 Mechanics I 3 hrs  
PHY 3513 Thermal and Statistical Physics 3 hrs  
PHY 3323 Electricity and Magnetism I 3 hrs  
PHY 4324 Electricity and Magnetism II 3 hrs  
PHY 4604 Wave Mechanics I 3 hrs  
PHY 4605 Wave Mechanics II 3 hrs  
PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory requirements 6 hrs  
PHY 3802L Intermediate Physics Laboratory 3 hrs

Select 1: 3 hrs  
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. 9 hrs

4.2. Materials Physics Specialization 18 hrs

Select 1: 3 hrs  
PHY 4803L Advanced Physics Laboratory or 3 hrs  
EEE 5356C Fabrication of Solid-State Devices 4 hrs

Select 3: 9 hrs  
EEE 3350 Semiconductor Devices I or 3 hrs  
EGN 3365 Structure and Properties of Materials or 3 hrs  
EMA 4413 Fundamentals of Electronic Materials or 3 hrs  
CHM 3411L Physical Chemistry Laboratory or 2 hrs  
PHZ 5405 Condensed Matter Physics or 3 hrs  
EEE 5352 Semiconductor Material and Device Characterization 3 hrs

Directed Electives: 6 hrs  
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering. 6 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. 9 hrs

4.4. Computational Physics Specialization 19 hrs  
PHZ 3151 Computer Methods in Physics 3 hrs  
COP 3502C Computer Science I 3 hrs  
COP 3503C Computer Science II 4 hrs  
COT 4500 Numerical Calculus 3 hrs

Directed Electives 6 hrs  
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering. 6 hrs

4.5. Astronomy Specialization 18 hrs  
AST 2002 Astronomy 3 hrs  
AST 3722C Techniques of Observational Astronomy 3 hrs

Select 2: 6 hrs  
AST 3110 Solar System Astronomy or 3 hrs  
AST 3211 Stellar Astrophysics or 3 hrs  
AST 3402 Galaxies and Cosmology 3 hrs

Directed Electives: 6 hrs  
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering. 6 hrs

### 5. Restricted Electives

■ None

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation

■ None

### 8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ Students must have at least a 2.0 GPA in all courses counted toward the major

■ Students will be required to take a nationally normed test in Physics during their last semester

■ Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee

■ Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

#### Honors In Major

■ None

#### Related Programs

■ Mathematics - Engineering/Physics Track

■ Mathematics - Applied Track

■ Mathematics - Pure Track

■ Electrical Engineering

■ Mechanical Engineering

#### Certificates

■ None

#### Related Minors

■ Mathematics

- 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

## Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test - <http://chemplacement.sdes.ucf.edu/>
- Prior to enrolling in Math, take Math Placement Test - <http://mathplacement.sdes.ucf.edu/>

<b>Freshman Year - Fall</b>	<b>14 hrs</b>
GEP	3 hrs
GEP	3 hrs
MAC 2311     Calculus with Analytic Geometry I	4 hrs
CHM 2045C     Chemistry Fundamentals I	4 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
PHY 2048C     Physics for Engineers & Scientists I	4 hrs
CHM 2046     Chemistry Fundamentals II	3 hrs
CHM 2046L     Chemistry Fundamentals Laboratory	1 hr
MAC 2312     Calculus with Analytic Geometry II	4 hrs

<b>Sophomore Year - Fall</b>	<b>17 hrs</b>
COP 3502C     Computer Science I	3 hrs
GEP	3 hrs
MAC 2313     Calculus with Analytic Geometry III	4 hrs
PHY 2049C     Physics for Engineers and Scientists II	4 hrs
GEP	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
MAP 2302     Differential Equations	3 hrs
PHY 3101     Physics for Engineers and Scientists III	3 hrs
GEP	3 hrs
PHZ 3113     Introduction to Theoretical Methods of Physics	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
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

<b>Junior Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
PHY 3220     Mechanics I	3 hrs
PHY 4324     Electricity and Magnetism II	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>
PHY 4604     Wave Mechanics I	3 hrs
Free Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
PHY 4912 Independent Research	3 hrs

<b>Senior Year - Spring</b>	<b>14 hrs</b>
GEP	3 hrs
PHY 4605     Wave Mechanics II	3 hrs
Restricted Elective	3 hrs
Free Elective	2 hrs
Free Elective	3 hrs
Physics Test-Nationally normed	

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$12.40 per term
- Full-Time Student: \$24.80 per term

## Political Science (B.A.)

### College of Sciences

**Department of Political Science, Howard Phillips Hall,  
Room: 302**

<http://www.cos.ucf.edu/politicalscience>

**E-mail: [politics@ucf.edu](mailto:politics@ucf.edu)**

Dr. Roger Handberg

407-823-2608

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

## Double major/dual degree policy in Political Science programs and minors

- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:  
POS 2041     American National Government     3 hrs  
POS 3703     Scope and Methods of Political Science     3 hrs
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:  
POS 2041     American National Government     3 hrs
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select from GEP B.2 list			3 hrs

C: Mathematical Foundations (6 hrs)

GEP - Math (3 hrs)

Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics or	3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.			3 hrs

GEP - Statistics (3 hrs)

Prefer	STA 2014C	Principles of Statistics or	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
You may substitute a higher level Statistics course.			3 hrs

# UCF Degree Programs

**D: Social Foundations (6 hrs)**  
 Required POS 2041 American National Government 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**

POS 2041 American National Government GEP/CPP

**4. Core Requirements: Advanced Level**

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 two of the following courses may be considered part of area B credit:

INR 4401 International Law I or 3 hrs  
 INR 4402 International Law II or 3 hrs  
 INR 4404 Space Law 3 hrs  
 Two courses from Area A 6 hrs  
 Five courses from Area B 15 hrs  
 Two courses from Area C 6 hrs  
 One additional course from any Area 3 hrs

**Track 3: Prelaw**

■ Please see Political Science - Prelaw Track

**Areas of Specialization**

**A. American Politics and Policy Area**

POS 3122 State Government and Public Policy or 3 hrs  
 POS 3173 Southern Politics or 3 hrs  
 POS 3182 Florida Politics or 3 hrs  
 POS 3233 Public Opinion or 3 hrs  
 POS 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 4204 Political Behavior or 3 hrs  
 POS 4246 Political Socialization or 3 hrs  
 POS 4284 Judicial Process and Politics or 3 hrs  
 POS 4412 Presidential Campaigning or 3 hrs  
 POS 4603 American Constitutional Law or 3 hrs  
 POS 4604 American Constitutional Law II or 3 hrs  
 POS 4622 Politics and Civil Rights or 3 hrs  
 POS 4742 Geographic Information Systems for the Political Scientist or 3 hrs

PUP 4204 Sustainability or 3 hrs  
 PUP 4209 Urban Environmental Policy 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 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 4602 Politics of Health or 3 hrs  
 PUP 4744 Government and Business or 3 hrs  
 PUP 4931 Topics in Public Policy or 3 hrs  
 POS 3076 American Indian Politics or 3 hrs  
 POS 3234 Protest in American Politics 3 hrs

**B. International Relations and Comparative Government Area**

CPO 3034 Politics of Developing Areas or 3 hrs  
 CPO 3103 Comparative Politics or 3 hrs

CPO 3104 Politics of Western Europe or 3 hrs  
 CPO 3132 Canadian Studies or 3 hrs  
 CPO 3403 Politics of the Middle East or 3 hrs  
 CPO 3614 Politics of Eastern Europe or 3 hrs  
 CPO 4047 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 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

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  
 INR 3250 Politics of Pan-Africanism or 3 hrs  
 INR 3253 International Politics of Africa or 3 hrs  
 INR 4011 Politics of Globalization or 3 hrs  
 INR 4030 Diplomacy or 3 hrs  
 INR 4035 International Political Economy or 3 hrs  
 INR 4054 Global Politics of Energy or 3 hrs  
 INR 4060 Causes of War or 3 hrs  
 INR 4064 Changing Nature of War 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 4085 Women, Gender, and Globalization or 3 hrs  
 INR 4102 American Foreign Policy or 3 hrs  
 INR 4104 Topics and Cases in American Foreign Policy or 3 hrs

INR 4114 American Security Policy or 3 hrs  
 INR 4115 Strategic Weapons and Arms Control or 3 hrs  
 INR 4224 Contemporary International Politics of Asia or 3 hrs

INR 4225 The Vietnam War or 3 hrs  
 INR 4243 International Politics of Latin America or 3 hrs  
 INR 4350 Global Environmental Politics or 3 hrs  
 INR 4364 The Intelligence Community or 3 hrs  
 INR 4304 Issues in International Public Policy or 3 hrs  
 INR 4335 Coercion in International Politics or 3 hrs  
 INR 4401 International Law I or 3 hrs  
 INR 4402 International Law II or 3 hrs  
 INR 4404 Space Law or 3 hrs  
 INR 4502 International Organizations or 3 hrs  
 INR 4714 Politics of International Trade Policy or 3 hrs  
 POS 3253 Contemporary Revolution and Political Violence or 3 hrs

PUP 3508 Space Studies or 3 hrs  
 PUP 3014 Comparative Public Policy or 3 hrs  
 INR 4351 International Environmental Law or 3 hrs  
 PUP 4510 Space Policy or 3 hrs  
 CPO 4514 Politics of East Asia or 3 hrs  
 CPO 4794 Indigenous Politics and the Environment or 3 hrs  
 INR 4603 International Relations Theory or 3 hrs  
 INR 4084 Politics of International Terrorism 3 hrs

**C. Political Theory Area (6 hrs)**

INR 4603 International Relations Theory or 3 hrs  
 POS 4206 Political Psychology or 3 hrs  
 POT 3204 American Political Thought or 3 hrs  
 POT 3302 Modern Political Ideologies or 3 hrs  
 POT 4003 Political Theory or 3 hrs  
 POT 4025 Ancient, Medieval and Early Modern Political Philosophy or 3 hrs

POT 4054 Modern Political Philosophy or 3 hrs  
 POT 4066 Contemporary Political Theory or 3 hrs  
 POT 4109 Politics and Literature or 3 hrs  
 POT 4345 Pan-Africanist Thought or 3 hrs  
 POT 4305 The State, Society, and the Individual or 3 hrs  
 POT 4314 Contemporary Democratic Theory or 3 hrs  
 POT 4331 Utopia/Dystopia or 3 hrs  
 POT 4414 Marxist Political Theory or 3 hrs  
 POT 4632 Religion and Politics 3 hrs



## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Met by graduation requirement

### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

## 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

## Related Programs

- Economics
- History

## Certificates

- Diplomacy

## Related Minors

- Economics
- History
- Psychology
- Sociology
- Philosophy

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

## Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

<b>Freshman Year - Fall</b>		<b>15 hrs</b>
AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
POS 2041	American National Government	3 hrs
GEP		3 hrs
GEP		3 hrs

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs

<b>Sophomore Year - Fall</b>		<b>16 hrs</b>
Restricted Elective		3 hrs
GEP		3 hrs
Free Elective		3 hrs
Restricted Elective		3 hrs
Foreign Language		4 hrs

<b>Sophomore Year - Spring</b>		<b>16 hrs</b>
POS 3703	Scope and Methods of Political Science	3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Foreign Language		4 hrs
GEP		3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

<b>Senior Year - Fall</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

<b>Senior Year - Spring</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$5 per term
- Full-Time Student: \$10 per term

## Political Science - Prelaw Track (B.A.)

### College of Sciences

**Department of Political Science, Howard Phillips Hall,  
Room: 302**

**<http://www.cos.ucf.edu/politicalscience>**

**E-mail: [politics@ucf.edu](mailto:politics@ucf.edu)**

Dr. Roger Handberg  
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

# UCF Degree Programs

emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department's prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

## Admission Requirements

- None

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

## Double major/dual degree policy in Political Science programs and minors

- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
 

POS 2041	American National Government	3 hrs
POS 3703	Scope and Methods of Political Science	3 hrs
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

## 1. UCF General Education Program (GEP) (36 hrs)

### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select a course from GEP B.2. list			3 hrs

### C: Mathematical Foundations (6 hrs)

Math:			3 hrs
Prefer	MGF 1106	Finite Mathematics or	3 hrs
Prefer	MGF 1107	Explorations in Mathematics or	3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.			3 hrs

### Statistics: (3 hrs)

Prefer	STA 2014C	Principles of Statistics or	3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs

You may substitute a higher level statistics course. 3 hrs

### D: Social Foundations (6 hrs)

Political Science			3 hrs
Required	POS 2041	American National Government	3 hrs

### Social Science (3 hrs)

Select one of the listed courses 3 hrs

### E: Science Foundations (6 hrs)

## 2. Common Program Prerequisites (CPP) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the following courses.
 

POS 2041	American National Government	GEP
POS 3703	Scope and Methods of Political Science	3 hrs

## 3. Core Requirements: Basic Level

POS 2041	American National Government	GEP/CPP
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## 4. Core Requirements: Advanced Level (3 hrs)

POS 3703	Scope and Methods of Political Science	CPP
POS 4284	Judicial Process and Politics	3 hrs

## 5. Restricted Electives (27 hrs)

### Select one of the following four courses: 3 hrs

POS 4603	American Constitutional Law or	3 hrs
POS 4604	American Constitutional Law II or	3 hrs
INR 4401	International Law I or	3 hrs
INR 4402	International Law II	3 hrs

### And, select one of the following two options: (See Area 24 hrs courses list under Political Science)

- Five courses from area A and 15 hrs
- Two courses from area B and 6 hrs
- One course from area C 3 hrs

### OR 24 hrs

- Two courses from area A and 6 hrs
- Five courses from area B 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: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

- The following courses are not required, but serious students should consider taking these as free electives.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
ENC 3250	Professional Writing	3 hrs
LIN 4105	History of the English Language	3 hrs
MHF 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 4941L	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
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

## Related Programs

- Economics
- History
- Philosophy

- Legal Studies
- Criminal Justice

**Certificates**

- Diplomacy

**Related Minors**

- Economics
- History
- English - Creative Writing
- Philosophy
- Criminal Justice
- Legal 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**

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
- POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
- POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

**Plan of Study**

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall** **15 hrs**

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
GEP		3 hrs
POS 2041	American National Government	3 hrs
GEP		3 hrs

**Freshman Year - Spring** **15 hrs**

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
GEP		3 hrs
GEP		3 hrs
STA 2014C	Principles of Statistics	3 hrs

**Sophomore Year - Fall** **16 hrs**

GEP		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Foreign Language		4 hrs
Supporting Elective		3 hrs

**Sophomore Year - Spring** **16 hrs**

GEP		3 hrs
POS 3703	Scope and Methods of Political Science	3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
Foreign Language		4 hrs

**Junior Year - Fall** **15 hrs**

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Supporting Elective		3 hrs
POS 4284	Judicial Process and Politics	3 hrs

**Junior Year - Spring** **14 hrs**

Restricted Elective		3 hrs
Supporting Elective		4 hrs
Supporting Elective		4 hrs
Supporting Elective		3 hrs

**Senior Year - Fall** **15 hrs**

Restricted Elective		3 hrs
Restricted Elective		3 hrs

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**

- 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)

## Psychology (B.S.)

### College of Sciences

**Department of Psychology, Psychology Building, Room: 301**

<http://www.psych.ucf.edu/>

**E-mail: [psychadvising@ucf.edu](mailto:psychadvising@ucf.edu)**

407-823-2216

Contact: Psychology Advising Center, PSY 250, 407-823-2219

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
- Students must earn at least a "C" (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- Co-op or internship credit cannot be used in this major without prior approval
- Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP) (36 hrs)**

- Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

**Math: 3 hrs**

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

Prefer MGF 1106 Finite Mathematics 3 hrs

**Statistics: 3 hrs**

Required STA 2023 Statistical Methods I or 3 hrs  
Required STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations (6 hrs)**

**Social Sciences: 3 hrs**

Required PSY 2012 General Psychology 3 hrs

**Political Science/Economics 3 hrs**

Select one of the listed choices 3 hrs

# UCF Degree Programs

**E: Science Foundations** (6 hrs)

**Biology:** Select the advanced option if additional biology courses are planned. 3 hrs

Required BSC 1005 Biological Principles or 3 hrs  
Required BSC 2010C Biology I 4 hrs

**Physical or Chemical:** Select a listed course 3 hrs  
Select one of the listed choices 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.

PSY 2012 General Psychology GEP  
DEP 2004C Developmental Psychology 3 hrs

**Biology:**

■ Select the advanced course if additional biology courses are planned.

BSC 1005 Biological Principles or GEP  
BSC 2010C Biology I GEP

**Statistics:**

STA 2014C Principles of Statistics or GEP  
STA 2023 Statistical Methods I GEP

**3. Core Requirements: Basic Level**

**Lower Level Core Requirements**

PSY 2012 General Psychology GEP

**Biology:**

BSC 1005 Biological Principles or GEP  
BSC 2010C Biology I GEP

**Statistics:**

STA 2014C Principles of Statistics or GEP  
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 4604 History and Systems of Psychology 3 hrs

**5. Restricted Electives** (33 hrs)

**A. Experimental:** Select two of the following: 6 hrs

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  
PSY 3703 Psychology of Language 3 hrs

**B. Personality/Social:** Select one of the following: 3 hrs

PPE 3003C Personality Theory and Research or 3 hrs  
SOP 3004C Social Psychology 3 hrs

**C. Developmental:** Select one of the following: 3 hrs

DEP 2004C Developmental Psychology or 3 hrs  
DEP 3202 Psychology of Exceptional Children or 3 hrs  
DEP 3464 Psychology of Aging 3 hrs

**D. Diversity:** Select one of the following: 3 hrs

CLP 3184 Women's Mental Health or 3 hrs  
SOP 3742 Psychology of Women or 3 hrs  
SOP 3723 Cross Cultural Psychology or 3 hrs  
SOP 3724 Psychology of Prejudice or 3 hrs  
SOP 3784 Psychology of Diversity 3 hrs

**E. Applied:** Select one of the following: 3 hrs

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 three additional courses taught by the Psychology department

■ NOTE: The following courses will NOT fulfill this requirement.

INP 3141C Advanced Applied Psychology or 1 hr  
INP 3951 Industrial/Organizational Field Work or 3 hrs

PSY 3905 Directed Independent Study or 1 hr  
PSY 4906 Directed Independent Study or 1 hr  
PSY 4912 Directed Independent Research or 1 hr  
<sup>1</sup> PSY 3951 Undergraduate Field Work 1 hr

<sup>1</sup> This course will not fulfill this requirement without prior approval.

**G. Math/Science Electives:** Select two of the following: 6 hrs

■ Students must meet the course prerequisites for any course they select. See course listing for prerequisites

ANT 2511 The Human Species or 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 I or 3 hrs  
PCB 3703C Human Physiology or 4 hrs  
STA 4102 Computer Processing of Statistical Data or 3 hrs  
STA 4163 Statistical Methods II or 3 hrs  
STA 4164 Statistical Methods III or 3 hrs  
BSC 1050 Biology and Environment or 3 hrs  
BSC 2011C Biology II or 4 hrs  
BSC 4312C 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 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 in the CPP, core requirements, restricted electives and science electives (sections 2-5).

■ Maintain a minimum overall psychology GPA of 2.0.

■ Before applying to graduate, the CLAS must be completely satisfied.

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

**Additional Requirements:** 6 hrs

■ The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.

■ Apply and be accepted into the program through the department.

■ Fulfill University requirements for Honors in the Major.

■ Earn an overall UCF GPA above 3.2.

■ All grades in Psychology courses must be a "B" (3.0) or higher.

■ Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.

PSY 3213C Research Methods in Psychology 5 hrs

PSY 4903H	Honors Directed Reading I	3 hrs
PSY 4970H	Undergraduate Honors Thesis	3 hrs

**Related Programs**

- Sociology
- Anthropology
- Statistics
- Criminal Justice

**Certificates**

- Behavioral Forensics

**Related Minors**

- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

**Advising Notes**

■ Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

**Transfer Notes**

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004: any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

**Plan of Study**

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

<b>Freshman Year - Fall</b>	<b>15 hrs</b>	
ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs
GEP		3 hrs
GEP		3 hrs
Math		3 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>	
ENC 1102	Composition II	3 hrs
GEP		3 hrs
Elective / Minor		3 hrs
Biology		3 hrs
Statistics		3 hrs

<b>Sophomore Year - Fall</b>	<b>16 hrs</b>	
Restricted Elective		3 hrs
DEP 2004C	Developmental Psychology	3 hrs
GEP		3 hrs
GEP		3 hrs
Foreign Language		4 hrs

<b>Sophomore Year - Spring</b>	<b>14 hrs</b>	
Restricted Elective		3 hrs
Restricted Elective		4 hrs
Foreign Language		4 hrs
GEP		3 hrs

<b>Junior Year - Fall</b>	<b>16 hrs</b>	
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

<b>Junior Year - Spring</b>	<b>14 hrs</b>	
PSY 3213C	Research Methods in Psychology	5 hrs
Elective / Minor		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>	
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>	
PSY 4604	History and Systems of Psychology	3 hrs
Elective / Minor		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

**Program Academic Learning Compacts**

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: \$5.50 per term
- Full-Time Student: \$11 per term

## Public Administration (B.A. / B.S.)

### College of Health and Public Affairs

#### Department of Public Administration, Health and Public Affairs II, Room: 238

<http://www.cohpa.ucf.edu/pubadm/>

Dr. Michael Abels, pa/ba/bs@mail.ucf.edu  
407-823-2604

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a "C" (2.0)
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**  
 Suggested 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

**Select 1: (3 hrs)**  
 Suggested MAC 1105C College Algebra or 3 hrs  
 Suggested MGF 1106 Finite Mathematics or 3 hrs  
 Suggested MGF 1107 Explorations in Mathematics 3 hrs

**D: Social Foundations (6 hrs)**  
 Suggested POS 2041 American National Government 3 hrs

# UCF Degree Programs

<b>Select 1:</b>			<b>3 hrs</b>
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) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transition Services section

ECO 2013	Principles of Macroeconomics	3 hrs
CGS 1060C	Introduction to Computer Science	GEP
POS 2041	American National Government	GEP

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (21 hrs)

PAD 3003	Public Administration in American Society	3 hrs
PAD 4034	The Administration of Public Policy	3 hrs
PAD 4104	Administrative Theory	3 hrs
PAD 4204	Fiscal Management	3 hrs
PAD 4414	Public Personnel Administration	3 hrs
PAD 4720	Survey Research in Public Administration	3 hrs
PAD 3733	Professional Administrative Writing in the Public Sector	3 hrs

### B.A./B.S. Option 6 hrs

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.

- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

### 5. Restricted Electives (39 hrs)

#### Public Administration electives are required as follows:

- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.

- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).

- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.

- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

#### Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).

- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Accounting
- Interpersonal/Organizational Communication
- Economics
- Legal Studies
- Computer Science
- Social Work
- Political Science
- Criminal Justice
- Health Services Administration
- Management

### Certificates

- Nonprofit Management

### Related Minors

- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Non-Profit Management/American 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

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 2010	Enjoyment of Music or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy or	3 hrs
THE 2000	Theatre Survey or	3 hrs
LIT 2110	World Literature I or	3 hrs
LIT 2120	World Literature II	3 hrs

### Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
MGF 1106	Finite Mathematics	3 hrs

### Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 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 2012 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 1030 Geology and its Applications or 3 hrs  
 GEO 1200 Physical Geography or 3 hrs  
 ANT 2511 The Human Species or 3 hrs  
 Free Elective 3 hrs

**Sophomore Year - Spring** 15 hrs  
 PAD 3003 Public Administration in American Society 3 hrs  
 Free Elective 3 hrs  
 Free Elective 3 hrs  
 PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

**Select 1:** 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.oeas.ucf.edu/alcl/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcl/academic_learning_compacts.htm)

## Radio - Television (B.A.)

### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

<http://communication.cos.ucf.edu/>

**E-mail: radiotv@mail.ucf.edu**

Dr. W. Joe Hall, Area Coordinator, whall@mail.ucf.edu

Rebecca Morales, Academic Support, rmorales@mail.ucf.edu  
 407-823-2681

### 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 a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.

■ Receive a positive evaluation of other factors specified by the Nicholson School of Communication.

■ Meet a grammar proficiency standard ("B" grades or better in the following courses or pass the grammar proficiency exam).

ENC 1101	Composition I	3 hrs
ENC 1102	Composition II	3 hrs

### Application Deadlines:

- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- July 1 to be admitted the next fall term.

### Degree Requirements

■ Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.

■ Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor's approval.

■ Internship credit may be used in this major with prior school permission.

■ Co-op credit may be used in this major with prior approval from an R-TV advisor.

■ Students must consult with a school advisor.

■ School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

■ Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

■ Of these 80 hours, 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.

■ Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.

■ Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.

■ A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.

■ A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.

■ Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs

**Select 1:** 3 hrs  
 Prefer SPC 1608 Fundamentals of Oral Communication or 3 hrs

Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Select a third course from GEP B2			3 hrs

#### C: Mathematical Foundations (6 hrs)

#### Math: 3 hrs

■ You may substitute a higher level math with appropriate scores on the Math Placement Test.

Required	MGF 1106	Finite Mathematics or	3 hrs
Required	MGF 1107	Explorations in Mathematics	3 hrs

#### Computer Science: 3 hrs

Prefer	CGS 2100C	Computer Fundamentals for Business	3 hrs
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# UCF Degree Programs

**D: Social Foundations (6 hrs)**  
 Prefer POS 2041 American National Government 3 hrs  
 Select a listed course 3 hrs

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP)**

- None
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level (12 hrs)**

- These courses may be taken before applying to the major.
- MMC 3200 Mass Communication Law 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs

**Select 1:**

- SPC 1603 Fundamentals of Technical Presentations GEP
- or
- SPC 1608 Fundamentals of Oral Communication GEP

**Select 1:**

- CGS 2100C Computer Fundamentals for Business or GEP
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 3 hrs

**4. Core Requirements: Advanced Level (6 hrs)**

- These courses are only available to students who have been accepted into the major.
- MMC 3420 Mass Media Research Methods 3 hrs
- RTV 2102 Writing for the Electronic Media 3 hrs

**5. Restricted Electives**

- Specialization: Select one area and complete the credit hours required by that specialization.

**A. Production 18 hrs**

**Select from the following: 18 hrs**

- RTV 3210C Audio Production I or 3 hrs
- RTV 3228C Studio Television Production or 4 hrs
- RTV 3223C Lighting for Video or 3 hrs
- RTV 3260C Single Camera Video Production and Editing or 4 hrs
- RTV 3263C Advanced Video Post-Production or 3 hrs
- RTV 3283C Production of Interactive Multimedia or 3 hrs
- RTV 4211C Audio Production II or 3 hrs
- RTV 4280C Webcasting I or 3 hrs
- RTV 4281C Webcasting II or 3 hrs
- RTV 4206C Television Directing or 3 hrs
- RTV 4271C Radio Production and Programming or 3 hrs
- <sup>1</sup> RTV 3942L Practicum or 3 hrs
- <sup>1</sup> RTV 4941 Internship 1 hr

<sup>1</sup> May only apply a maximum of 3 hours to the requirement.

**B. Broadcast Journalism 22 hrs**

**Complete all of the following: 17 hrs**

- MMC 4602 Contemporary Media Issues and 3 hrs
- RTV 3260C Single Camera Video Production and Editing and 4 hrs
- RTV 3301 Electronic Journalism I and 3 hrs
- RTV 3304 Electronic Journalism II and 3 hrs
- RTV 4320C Television News 4 hrs

**Select from the following: 5 hrs**

- JOU 3004 History of American Journalism or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs
- RTV 4322C Advanced TV News or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- <sup>1</sup> RTV 4906 Directed Independent Study or 1 hr
- <sup>1</sup> RTV 4941 Internship 1 hr

<sup>1</sup> May only apply a maximum of 3 hours to the requirement.

**C. Broadcast Generalist 18 hrs**

**Select from the following: 12 hrs**

- ADV 4103 Radio-Television Advertising or 3 hrs
- CMC 4240 Corporate/Institutional Video or 3 hrs
- COM 3330 Computer Mediated Communication or 3 hrs
- MMC 4263 New Media Technologies or 3 hrs
- RTV 3234C Broadcast Announcing and Performance or 3 hrs

- RTV 4271C Radio Production and Programming or 3 hrs
- RTV 4700 Regulation of Broadcasting or 3 hrs
- RTV 4800 Broadcast Management or 3 hrs
- <sup>1</sup> RTV 4941 Internship 1 hr

**Select from the following: 6 hrs**

- ADV 3008 Principles of Advertising or 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- or
- ENC 3250 Professional Writing or 3 hrs
- PUR 4000 Public Relations or 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs

<sup>1</sup> May only apply a maximum of 3 hours to the requirement.

**6. Capstone Requirements**

- None

**7. Foreign Language Requirements**

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

**8. Electives**

- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

**9. Additional Requirements**

- None

**10. Required Minors**

- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.

- The following minors are suggested to compliment the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:

- Digital Media
- Film - Cinema Studies
- Writing and Rhetoric
- Political Science
- Sociology
- Theatre

**11. Departmental Exit Requirements**

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.

- Achieve an overall "C" GPA (2.0) in UCF Radio-TV courses used to satisfy the major.

- Before applying to graduate, the CLAS must be completely satisfied.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- Advertising-Public Relations
- Digital Media



- 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.

<b>Freshman Year - Fall</b>		<b>15 hrs</b>
GEP		3 hrs
GEP		3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1107	Explorations in Mathematics	3 hrs

<b>Freshman Year - Spring</b>		<b>15 hrs</b>
ENC 1102	Composition II	3 hrs
RTV 3007	Development and Structure of Electronic Media and New Technology	3 hrs
GEP		3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs
GEP		3 hrs

<b>Sophomore Year - Fall</b>		<b>16 hrs</b>
MMC 3200	Mass Communication Law	3 hrs
Foreign Language		4 hrs
GEP		3 hrs
Elective / Minor		3 hrs
RTV 4403	Electronic Media, Technology, and Society	3 hrs
Apply to R-TV program		

<b>Sophomore Year - Spring</b>		<b>14 hrs</b>
Foreign Language		4 hrs
RTV 3200	Production Fundamentals and Aesthetics of Electronic Media	3 hrs
Elective / Minor		4 hrs
MMC 3420	Mass Media Research Methods	3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
GEP		3 hrs
GEP		3 hrs
Elective / Minor		3 hrs
RTV 2102	Writing for the Electronic Media	3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

<b>Senior Year - Fall</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

<b>Senior Year - Spring</b>		<b>15 hrs</b>
Restricted Elective		3 hrs
Elective / Minor		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

#### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Real Estate (B.S.B.A.)

### College of Business Administration

#### Dr. P. Phillips School of Real Estate,

#### Business Administration I, Room: 427

**Students seeking advising will need to go to BA 2 room 101.**

**<http://web.bus.ucf.edu/realestate/>**

407-823-3575

Not eligible for a double degree with another College of Business Administration major.

#### Admission Requirements

- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

**1. UCF General Education Program (GEP) (36 hrs)**

**A: Communication Foundations (9 hrs)**  
 Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (6 hrs)**

Required MAC 1140 Pre-Calculus Algebra 3 hrs  
 Required CGS 2100C Computer Fundamentals for Business 3 hrs

**D: Social Foundations (6 hrs)**

**Select 1: (3 hrs)**

Suggested ECO 2013 Principles of Macroeconomics 3 hrs  
 or  
 Suggested ECO 2023 Principles of Microeconomics 3 hrs

**Select 1: (3 hrs)**

Suggested 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)**

# UCF Degree Programs

## 2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a "C" (2.0) or better.
- See Common Prerequisites in the Transfer and Transition Services section for more information.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs

### Select one of the following sequences of courses:

- Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401

ECO 3401	Quantitative Business Tools I	3 hrs
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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:

<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
GEB 3375	Introduction to International Business	4 hrs
BUL 3130	Legal and Ethical Environment of Business	4 hrs
ECO 3411	Quantitative Business Tools II	4 hrs
FIN 3403C	Business Finance	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> Required in 1st or 2nd semester

## 4. Core Requirements: Advanced Level (9 hrs)

FIN 2100	Personal Finance and Investments	3 hrs
REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs

## 5. Restricted Electives (15 hrs)

### Select 5:

FIN 3414	Intermediate Corporate Finance	3 hrs
FIN 3504	Investment Analysis	3 hrs
MAR 3391	Professional Selling	3 hrs
REE 3614	Environmental Issues for Real Estate	3 hrs
REE 4103	Real Estate Appraisal and Valuation	3 hrs
REE 4203	Commercial Real Estate Finance	3 hrs
REE 4204	Residential Real Estate Finance	3 hrs
REE 4303	Real Estate Investment Analysis	3 hrs
REE 4732	Real Estate Development	3 hrs
<sup>1</sup> REE 4903H	Honors Directed Readings I	1 hr
REE 4941	Internship	1 hr
<sup>1</sup> REE 4970H	Undergraduate Honors Thesis	1 hr
REE 4933	Advanced Topics in Real Estate	3 hrs

<sup>1</sup> Must be accepted into the UCF Honors in the Major program. See <http://www.honors.ucf.edu/> for details.

## 6. Capstone Requirements (4 hrs)

- MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:

GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
MAR 3023	Marketing	4 hrs
MAN 3025	Management of Organizations	4 hrs
FIN 3403C	Business Finance	4 hrs

## 7. Foreign Language Requirements

### Admissions

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

## 8. Electives

- variable

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- None

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- None

## Certificates

- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

## Related Minors

- None

## Advising Notes

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

## Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- Must complete nine hours in a summer semester

## Freshman Year - Fall

ENC 1101	Composition I	3 hrs	15 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs	
MAC 1105C	College Algebra	3 hrs	
Cult-Hist I		3 hrs	
Elective		3 hrs	

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ENC 1102 Composition II	3 hrs
CGS 2100C Computer Fundamentals for Business	3 hrs
Cult-Hist II	3 hrs
Art/Music/Lit	3 hrs
Elective	3 hrs

<b>Sophomore Year - Fall</b>	<b>15 hrs</b>
ECO 2013 Principles of Macroeconomics	3 hrs
ACG 2021 Principles of Financial Accounting	3 hrs
Science	3 hrs
Psy/Soc/Ant	3 hrs
Elective	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
ECO 2023 Principles of Microeconomics	3 hrs
ACG 2071 Principles of Managerial Accounting	3 hrs
FIN 2100 Personal Finance and Investments	3 hrs
ECO 3401 Quantitative Business Tools I	3 hrs
Science	3 hrs

<b>Junior Year - Fall</b>	<b>14 hrs</b>
GEB 3031 Cornerstone: Professional Skills for Business	3 hrs
REE 3043 Fundamentals of Real Estate	3 hrs
REE 3433 Real Estate Law	3 hrs
FIN 3403C Business Finance	4 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
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

<b>Senior Year - Fall</b>	<b>15 hrs</b>
MAN 3025 Management of Organizations	4 hrs
ISM 3011C Essentials of Management Information Systems	4 hrs
BUL 3130 Legal and Ethical Environment of Business	4 hrs
REE Elective	3 hrs

<b>Senior Year - Spring</b>	<b>16 hrs</b>
MAN 4720 Strategic Management	4 hrs
REE Elective	3 hrs
REE Elective	3 hrs
REE Elective	3 hrs

**Program Academic Learning Compacts**  
 ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Religious Studies (B.A.)**  
**College of Arts and Humanities**  
**Department of Philosophy, Psychology Building,**  
**Room: 220**  
<http://www.philosophy.cah.ucf.edu>  
**E-mail: religion@mail.ucf.edu**  
 Dr. Sabatino DiBernardo, sdiberna@mail.ucf.edu, 407-823-2273

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
Required HUM 2210 Humanistic Tradition I	3 hrs
Required HUM 2230 Humanistic Tradition II	3 hrs
Required REL 2300 World Religions	3 hrs

<b>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
<sup>1</sup> Prefer MGF 1106 Finite Mathematics	3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> May substitute a higher level math course

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
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<b>E: Science Foundations</b>	<b>(6 hrs)</b>
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**2. Common Program Prerequisites (CPP)**

- None

**3. Core Requirements: Basic Level**

HUM 2210 Humanistic Tradition I	GEP
HUM 2230 Humanistic Tradition II	GEP
REL 2300 World Religions	GEP

**4. Core Requirements: Advanced Level**

<b>Foundations in the Study of Religion and Humanities</b>	<b>9 hrs</b>
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**Religion**

REL 3131 Religion in America or	3 hrs
REL 4110 Religion and 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	3 hrs

**Humanities and Classics**

CLT 3370 Classical Mythology or	3 hrs
CLT 3378 Comparative Mythology or	3 hrs
HUM 3431 Ancient Humanities or	3 hrs
HUM 3435 Medieval Humanities or	3 hrs
HUM 3255 Modern Humanities or	3 hrs
HUM 3252 Contemporary Humanities	3 hrs

**Traditions: Religion in a Global World**

<b>Select 1:</b>	<b>3 hrs</b>
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JST 3401 Jewish People in Antiquity or	3 hrs
JST 3402 Wanderings: The Jewish People in Dispersion	3 hrs

<b>Select 2:</b>	<b>6 hrs</b>
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ANT 3245 Native American Religions or	3 hrs
HUM 3401 Asian Humanities or	3 hrs
HUM 3417 Hindu Thought and Culture or	3 hrs
HUM 3419 Islamic Thought and Culture or	3 hrs
HUM 3552 Christian Thought or	3 hrs
REL 3553 Moses, Jesus and Muhammad or	3 hrs
REL 3340 Buddhist Thought	3 hrs

**Applications: Topics and Issues in the Study of Religion**

<b>Select 2:</b>	<b>6 hrs</b>
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PHI 3033 Philosophy, Religion, and the Environment or	3 hrs
REL 3115 Religion, Spirituality, and Popular Music or	3 hrs
REL 3111 Religion and Philosophy Through Film or	3 hrs
REL 3432 Roots of Western Mysticism or	3 hrs
HUM 4554 Religious Quest and Human Dilemma or	3 hrs
HUM 4303 The Spiritual Ideal or	3 hrs
PHI 3672 Animal Ethics or	3 hrs
REL 4180 Religion and Medicine	3 hrs

**5. Restricted Electives**

	<b>(9 hrs)</b>
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- Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):
- Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

<b>Select 3:</b>	<b>9 hrs</b>
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REL 4941 Internship or	1 hr
HUM 3320 Contemporary Multicultural Studies or	3 hrs
HUM 4301 The Classical Ideal or	3 hrs
HUM 4330 Performance Theory or	3 hrs
PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or	3 hrs

## UCF Degree Programs

PHI 3629	Family Values or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3684	Ways of Living or	3 hrs
PHM 3020	Philosophy of Love or	3 hrs
PHI 4341	Ways of Knowing or	3 hrs
PHI 4804	Critical Theory or	3 hrs
PHM 3100	Freedom and Justice or	3 hrs
PHP 3786	Existentialism or	3 hrs
AML 3615	Harlem, Haiti, and Havana or	3 hrs
ASH 3222	Islam and Its Empires or	3 hrs
ASH 3223	The Modern Middle East or	3 hrs
JST 3100	The Hebrew Creative Mind or	3 hrs
JST 3125	The Book of Job or	3 hrs
JST 3144	Dead Sea Scrolls or	3 hrs
JST 3450	Modern Jewish Experience or	3 hrs
JST 3550	Introduction of Modernism into Judaism or	3 hrs
JST 3701	History of the Holocaust or	3 hrs
JST 3751	Literature of the Holocaust or	3 hrs
JST 3810	The Jewish National Movement and Roots of Zionism or	3 hrs
LIT 4374	Literature of the Bible or	3 hrs
LIT 3202	Death and Dying	3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement

#### Graduation

Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a "C" (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
 

REL 4970H	Undergraduate Honors Thesis	1 hr
REL 4910	Senior Research Seminar	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
- Must Take:
 

REL 4910	Senior Research Seminar	3 hrs
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### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 120

#### Honors In Major

- Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:

#### Core, Elective Requirements, and Senior Seminar 36 hrs

- Same requirement as for regular majors

#### Honors Thesis 6 hrs

REL 4903H	Honors Directed Readings I	3 hrs
REL 4970H	Undergraduate Honors Thesis	3 hrs

#### Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a "B" (3.0) or better in both of the following:
 

REL 4903H	Honors Directed Readings I	3 hrs
REL 4970H	Undergraduate Honors Thesis	3 hrs

#### Related Programs

- Interdisciplinary Studies
- Philosophy
- Humanities

#### Certificates

- None

#### Related Minors

- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

#### Advising Notes

- None

#### Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses

- None

#### Plan of Study

<b>Freshman Year - Fall</b>		<b>16 hrs</b>
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

<b>Freshman Year - Spring</b>		<b>16 hrs</b>
ENC 1102	Composition II	3 hrs
HUM 2230	Humanistic Tradition II	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
	Restricted Elective	3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
GEP		3 hrs
GEP		3 hrs
GEP		3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
GEP		3 hrs
GEP		3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

<b>Junior Year - Fall</b>		<b>15 hrs</b>
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

<b>Junior Year - Spring</b>		<b>15 hrs</b>
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

<b>Senior Year - Fall</b>		<b>15 hrs</b>
	Restricted Elective	3 hrs
	Restricted Elective	3 hrs

Restricted Elective	3 hrs
Restricted Elective	3 hrs
REL 3340 Buddhist Thought	3 hrs
<b>Senior Year - Spring</b>	<b>15 hrs</b>
REL 4910 Senior Research Seminar	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	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

**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)

<b>Internships</b>	<b>3 hrs</b>
HFT 3940 Internship	1 hr
HFT 4941 Internship	1 hr
HFT 4944 Practicum	1 hr

<b>Restaurant Management Core</b>	<b>18 hrs</b>
FSS 3124 Supply and Procurement Management	3 hrs
HFT 3263 Restaurant Management	3 hrs
HFT 3574 Food Service Marketing Advertising and Promotion Management	3 hrs
HFT 4457 Food, Beverage, and Labor Cost Controls	3 hrs
HFT 4861C Beverage Management	3 hrs
HFT 4844 Sanitation in the Food Service Industry	3 hrs

## Restaurant and Foodservice Management (B.S.)

**Rosen College of Hospitality Management**  
**Department of Food-services and Lodging,**  
**9907 Universal Boulevard, Orlando, FL 32819**

<http://www.hospitality.ucf.edu>

**E-mail: [hospitality@mail.ucf.edu](mailto:hospitality@mail.ucf.edu)**

Dr. Joe Hutchinson, Department Chair  
 Dr. Abraham Pizam, Dean  
 407-903-8000

**Admission Requirements**

■ None

**Degree Requirements**

■ None

1. UCF General Education Program (GEP)	(36 hrs)
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
C: Mathematical Foundations	(6 hrs)
Required MAC 1105C College Algebra	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
Required CGS 2100C Computer Fundamentals for Business or	3 hrs
Required STA 2023 Statistical Methods I	3 hrs

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>Select 1:</b>	<b>3 hrs</b>
Required ECO 2013 Principles of Macroeconomics or	3 hrs
Required ECO 2023 Principles of Microeconomics	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
Required PSY 2012 General Psychology or	3 hrs
Required SYG 2000 Introduction to Sociology or	3 hrs
Required ANT 2000 General Anthropology	3 hrs

<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<b>2. Common Program Prerequisites (CPP)</b>	<b>(3 hrs)</b>
<sup>1</sup> HFT 1000 Introduction to the Hospitality and Tourism Industry	3 hrs

<sup>1</sup> See "Common Prerequisites" in the Transfer and Transitions section (pg. 46) for more information.

<b>3. Core Requirements: Basic Level</b>	
MAC 1105C College Algebra	GEP

<b>Select 1:</b>	<b>3 hrs</b>
CGS 2100C Computer Fundamentals for Business or	GEP
STA 2023 Statistical Methods I	GEP

<b>Select 1:</b>	<b>3 hrs</b>
ECO 2013 Principles of Macroeconomics or	GEP
ECO 2023 Principles of Microeconomics	GEP

<b>4. Core Requirements: Advanced Level</b>	<b>(55 hrs)</b>
<b>Hospitality Core Requirements</b>	<b>34 hrs</b>
FSS 2221C Techniques of Food Preparation	4 hrs
HFT 2401 Hospitality Industry Financial Accounting	3 hrs
HFT 2500 Hospitality and Tourism Marketing	3 hrs

**5. Restricted Electives (15 hrs)**

<b>Select 5:</b>	<b>15 hrs</b>
FSS 3008 Culture and Cuisine or	3 hrs
FSS 4135 Corporate Contract and Managed Services Organizations or	3 hrs
FSS 4286C Catering and Banquet Organization or	3 hrs
HFT 3654 Franchising in the Restaurant Industry or	3 hrs
HFT 3868 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, the CLAS and nine hours of Summer credit (if applicable)

# UCF Degree Programs

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- None

## Certificates

- None

## Related Minors

- None

## Advising Notes

- None

## Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- Plan your required nine summer credit hours into your course of study.

## Freshman Year - Fall 15 hrs

ENC 1101	Composition I	3 hrs
HFT 1000	Introduction to the Hospitality and Tourism Industry	3 hrs
CGS 2100C	Computer Fundamentals for Business	3 hrs

## Select 1: 3 hrs

PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology or	3 hrs
ANT 2000	General Anthropology	3 hrs

## Freshman Year - Spring 15 hrs

ENC 1102	Composition II	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
FSS 2221C	Techniques of Food Preparation	4 hrs
MAC 1105C	College Algebra	3 hrs

## Sophomore Year - Fall 15 hrs

HFT 2401	Hospitality Industry Financial Accounting	3 hrs
HFT 2220	Hospitality Human Resources Management	3 hrs
HFT 3263	Restaurant Management	3 hrs

## Select 1: 3 hrs

ECO 2013	Principles of Macroeconomics or	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

## Sophomore Year - Spring 15 hrs

HFT 2500	Hospitality and Tourism Marketing	3 hrs
HFT 3444	Hospitality Information Systems	3 hrs
FSS 3124	Supply and Procurement Management	3 hrs
ANT 2511	The Human Species	3 hrs

## Junior Year - Fall 12 hrs

HFT 3540	Guest Services Management I	3 hrs
HFT 3431	Hospitality industry Managerial Accounting	3 hrs
HFT 3574	Food Service Marketing Advertising and Promotion Management	3 hrs
HFT 3603	Legal Environment in the Hospitality and Tourism Industry	3 hrs
HFT 3940	Internship	1 hr

## Junior Year - Spring 13 hrs

HFT 4457	Food, Beverage, and Labor Cost Controls	3 hrs
HFT 4844	Sanitation in the Food Service Industry	3 hrs
HFT 4861C	Beverage Management	3 hrs
HFT 4941	Internship	1 hr

## Senior Year - Fall 16 hrs

HFT 4286	Hospitality Communications	3 hrs
HFT 4944	Practicum	1 hr
HFT 4464	Hospitality Industry Finance	3 hrs

## Senior Year - Spring 15 hrs

HFT 4295	Leadership and Strategic Management in Hospitality Industry	3 hrs
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## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$37.50 per term
- Full-Time Student: \$75 per term

## Science Education - Biology (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/science/>

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
407-823-2561

## Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

## Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

## 1. UCF General Education Program (GEP) (37 hrs)

- Note: Students are advised to take the preferred courses.

### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

### C: Mathematical Foundations (6 hrs)

Select 1:			3 hrs
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

### Select 1: 3 hrs

Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

### D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

### E: Science Foundations (7 hrs)

<sup>1</sup> Required	PSC 1121	Physical Science	3 hrs
<sup>1</sup> Required	BSC 2010C	Biology I	4 hrs

<sup>1</sup> 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
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### 3. Core Requirements: Basic Level (12 hrs)

■ Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.

EDF 2130	Child and Adolescent Development for Educators	3 hrs
BSC 2010C	Biology I	GEP
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
PSC 1121	Physical Science	GEP
PSC 1121L	Physical Science Lab	1 hr

### 4. Core Requirements: Advanced Level (62 hrs)

#### Education Core Requirements 18 hrs

■ Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

#### Internship I Block 7 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

SCE 4360	Science Instructional Analysis	4 hrs
SCE 3940	Internship	3 hrs

#### Specialization Requirements 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 12 hrs

■ At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

SCE 4941	Internship	12 hrs
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### 5. Restricted Electives

■ None

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (this requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

#### 8. Electives

■ None

#### 9. Additional Requirements

■ None

#### 10. Required Minors

■ None

#### 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

#### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

■ 120

#### Honors In Major

■ None

#### Related Programs

■ None

#### Certificates

■ None

#### Related Minors

■ None

#### Advising Notes

■ None

#### Transfer Notes

■ None

#### Acceptable Substitutes for Transfer Courses

■ None

#### Plan of Study

■ Recommended Four Year Sequence of Courses (120 hrs)

<b>Freshman Year - Fall</b>		<b>12 hrs</b>
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 16 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

## UCF Degree Programs

PSC 1121	Physical Science	3 hrs
PSC 1121L	Physical Science Lab	1 hr
SPC 1608	Fundamentals of Oral Communication	3 hrs

<b>Freshman Year - Summer</b>		<b>6 hrs</b>
POS 2041	American National Government	3 hrs
<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs

<sup>1</sup> Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Sophomore Year - Fall</b>		<b>14 hrs</b>
BSC 2010C	Biology I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
EDF 2005	Introduction to the Teaching Profession	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
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

<b>Sophomore Year - Summer</b>		<b>3 hrs</b>
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Junior Year - Fall</b>		<b>14 hrs</b>
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3044L	Principles of Ecology Laboratory	1 hr

Select one of the following sequences of courses:

PCB 3063	Genetics and	3 hrs
PCB 3063L	Genetics Laboratory	1 hr

or		
PCB 3703C	Human Physiology	4 hrs

or		
ZOO 3733C	Human Anatomy	4 hrs

<b>Junior Year - Spring</b>		<b>12 hrs</b>
MCB 3020C	General Microbiology	5 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr
SCE 4361	Programs in Teaching Science	3 hrs

<b>Junior Year - Summer</b>		<b>3 hrs</b>
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

<b>Senior Year - Fall</b>		<b>13 hrs</b>
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
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs

<b>Senior Year - Spring</b>		<b>12 hrs</b>
SCE 4941	Internship	12 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/aic/academic_learning_compacts.htm)

## Science Education - Chemistry (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/science/>

Dr. Janet Andreasen, ED 1230, jandreas@mail.ucf.edu, 407-823-5430  
407-823-2561

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

### 1. UCF General Education Program (GEP) (37 hrs)

- Note: Students are advised to take the preferred courses.

<b>A: Communication Foundations (9 hrs)</b>			
Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

### C: Mathematical Foundations (6 hrs)

Required	MAC 1114	College Trigonometry	3 hrs
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### Select 1: (3 hrs)

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

### D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

### E: Science Foundations (7 hrs)

<sup>1</sup> Required	BSC 2010C	Biology I	4 hrs
<sup>1</sup> Required	PSC 1121	Physical Science	3 hrs

<sup>1</sup> 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
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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 1114	College Trigonometry	GEP

**4. Core Requirements: Advanced Level (66 hrs)****Education Core Requirements 18 hrs**

■ Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly 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.

EDF 4467	Learning Theory and Assessment	3 hrs
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

**Internship I Block 7 hrs**

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical

Experiences at <http://www.education.ucf.edu/clinicalexp/>

SCE 4360	Science Instructional Analysis	4 hrs
SCE 3940	Internship	3 hrs

**Specialization Requirements 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
CHS 3501	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/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

SCE 4941	Internship	12 hrs
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**5. Restricted Electives**

■ None

**6. Capstone Requirements**

■ None

**7. Foreign Language Requirements****Admissions**

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**

■ None

**8. Electives**

■ None

**9. Additional Requirements**

■ None

**10. Required Minors**

■ None

**11. Departmental Exit Requirements**

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

■ 120

**Honors In Major**

■ None

**Related Programs**

■ None

**Certificates**

■ None

**Related Minors**

■ None

**Advising Notes**

■ None

**Transfer Notes**

■ None

**Acceptable Substitutes for Transfer Courses**

■ None

**Plan of Study**

■ Recommended Four Year Sequence of Courses

**Freshman Year - Fall 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 1114	College Trigonometry	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs
AMH 2020	U.S. History: 1877-Present	3 hrs

**Freshman Year - Summer 6 hrs**

POS 2041	American National Government	3 hrs
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**Select 1: 3 hrs**

STA 2014C	Principles of Statistics or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs

**Sophomore Year - Fall 14 hrs**

EDF 2005	Introduction to the Teaching Profession	3 hrs
BSC 2010C	Biology I	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs

## UCF Degree Programs

<b>Sophomore Year - Spring</b>	<b>13 hrs</b>
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
<sup>1</sup> EDF 2130 Child and Adolescent Development for Educators	3 hrs

<sup>1</sup> Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

<b>Sophomore Year - Summer</b>	<b>4 hrs</b>
PHY 2053C College Physics I	4 hrs

<b>Junior Year - Fall</b>	<b>16 hrs</b>
EDF 4467 Learning Theory and Assessment	3 hrs
EDG 4410 Teaching Strategies and Classroom Management	3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings	3 hrs
CHM 2210 Organic Chemistry I	3 hrs
CHM 3120 Analytical Chemistry	3 hrs
CHM 3120L Analytical Chemistry Laboratory	1 hr

<b>Junior Year - Spring</b>	<b>14 hrs</b>
CHM 2211 Organic Chemistry II	3 hrs
CHM 2211L Organic Laboratory Techniques I	2 hrs
CHS 3501 Introduction to Forensic Science	3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12	3 hrs
SCE 4361 Programs in Teaching Science	3 hrs

<b>Junior Year - Summer</b>	<b>3 hrs</b>
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs

<b>Senior Year - Fall</b>	<b>13 hrs</b>
BCH 4053 Biochemistry I	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
SCE 3940 Internship	3 hrs
SCE 4360 Science Instructional Analysis	4 hrs

<b>Senior Year - Spring</b>	<b>12 hrs</b>
SCE 4941 Internship	12 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Science Education - Physics (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/science/>

Dr. Janet Andreasen, ED 123Q, [jandreas@mail.ucf.edu](mailto:jandreas@mail.ucf.edu), 407-823-5430  
407-823-2561

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses

■ This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

### 1. UCF General Education Program (GEP) (37 hrs)

■ Students are advised to take the preferred courses.

<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
Required ENC 1101 Composition I	3 hrs
Required ENC 1102 Composition II	3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication	3 hrs

<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
Prefer AMH 2010 U.S. History: 1492-1877	3 hrs
Prefer PHI 2010 Introduction to Philosophy	3 hrs
Prefer AMH 2020 U.S. History: 1877-Present	3 hrs

<b>C: Mathematical Foundations</b>	<b>(7 hrs)</b>
Required MAC 2311 Calculus with Analytic Geometry I	4 hrs

<b>Select 1:</b>	<b>3 hrs</b>
Prefer STA 1060C Basic Statistics Using Microsoft Excel or	3 hrs
Prefer STA 2014C Principles of Statistics	3 hrs

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
Prefer POS 2041 American National Government	3 hrs
Prefer PSY 2012 General Psychology	3 hrs

<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<sup>1</sup> Required PSC 1121 Physical Science	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
<sup>1</sup> Prefer ANT 2511 The Human Species or	3 hrs
<sup>1</sup> Prefer BSC 1005 Biological Principles	3 hrs

<sup>1</sup> 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
<sup>1</sup> EDF 2085 Introduction to Diversity for Educators	3 hrs
EME 2040 Introduction to Technology for Educators	3 hrs

<sup>1</sup> 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	GEP
PSC 1121L Physical Science Lab	1 hr
MAC 2311 Calculus with Analytic Geometry I	GEP

### 4. Core Requirements: Advanced Level (66 hrs)

#### Education Core Requirements 18 hrs

■ Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467 Learning Theory and Assessment	3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDG 4410 Teaching Strategies and Classroom Management	3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings	3 hrs

RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

### Internship I Block

7 hrs

■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

SCE 4360	Science Instructional Analysis	4 hrs
SCE 3940	Internship	3 hrs

### Specialization Requirements

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

### Select 1:

3 hrs

PHY 3752C	Physics of Scientific Instruments or	3 hrs
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/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.006.

SCE 4941	Internship	12 hrs
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### 5. Restricted Electives

■ None

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed  
 ■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ None

### Certificates

■ None

### Related Minors

■ None

### Advising Notes

■ None

### Transfer Notes

■ None

### Acceptable Substitutes for Transfer Courses

■ None

### Plan of Study

(120 hrs)

#### Freshman Year - Fall

12 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
PSY 2012	General Psychology	3 hrs

#### Select 1:

3 hrs

STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs

#### Freshman Year - Spring

16 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
ENC 1102	Composition II	3 hrs
PHI 2010	Introduction to Philosophy	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
<sup>1</sup> 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

<sup>1</sup> Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

#### 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
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#### 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

## UCF Degree Programs

<b>Junior Year - Spring</b>			<b>13 hrs</b>
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

<b>Junior Year - Summer</b>			<b>3 hrs</b>
PHY 3101	Physics for Engineers and Scientists III		3 hrs

<b>Senior Year - Fall</b>			<b>13 hrs</b>
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

<b>Select 1:</b>			<b>3 hrs</b>
PHY 3752C	Physics of Scientific Instruments or		3 hrs
PHY 3722C	Physics Laboratory-Electronics		3 hrs

<b>Senior Year - Spring</b>			<b>12 hrs</b>
SCE 4941	Internship		12 hrs

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Social Science Education (B.S.)

### College of Education

### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/ssed/>

Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766  
 Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.

### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take preferred courses.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

Required	AMH 2010	U.S. History: 1492-1877	3 hrs
Required	AMH 2020	U.S. History: 1877-Present	3 hrs
Prefer	PHI 2010	Introduction to Philosophy	3 hrs

#### C: Mathematical Foundations (6 hrs)

<b>Select 1:</b>			<b>3 hrs</b>
Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

<b>Select 1:</b>			<b>3 hrs</b>
Suggested	MGF 1106	Finite Mathematics or	3 hrs
Suggested	MGF 1107	Explorations in Mathematics	3 hrs

<b>D: Social Foundations (6 hrs)</b>			
Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

<b>E: Science Foundations (6 hrs)</b>			
Prefer	PSC 1121	Physical Science	3 hrs

<b>Select 1:</b>			<b>3 hrs</b>
Prefer	ANT 2511	The Human Species or	3 hrs
Prefer	BSC 1005	Biological Principles	3 hrs

#### 2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

EDF 2005	Introduction to the Teaching Profession	3 hrs
<sup>1</sup> EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

<sup>1</sup> In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

#### 3. Core Requirements: Basic Level (9 hrs)

- Student should consult advisor regarding course options.

<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs
SYG 2000	Introduction to Sociology	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs

<sup>1</sup> 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	4 hrs
SSE 3940	Internship	3 hrs

##### Specialization Requirements (30 hrs)

GEO 3471	World Political Geography	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
EUH 2000	Western Civilization I	3 hrs
EUH 2001	Western Civilization II	3 hrs

AMH 2010	U.S. History: 1492-1877	GEP
AMH 2020	U.S. History: 1877-Present	GEP
POS 2041	American National Government	GEP
PSY 2012	General Psychology	GEP
SSE 4936	Programs in Teaching Social Science	3 hrs
	Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX)	3 hrs
	Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX)	3 hrs
	Upper Division American History Elective (AMH prefix courses 3/4XXX)	3 hrs
	Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX)	6 hrs

## Internship II

12 hrs

■ At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

■ Passing score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.

■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <http://www.education.ucf.edu/clinicalexp/>

■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

SSE 4941	Internship	12 hrs
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## 5. Restricted Electives

■ None

## 6. Capstone Requirements

■ None

## 7. Foreign Language Requirements

### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### Graduation

■ None

## 8. Electives

■ None

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

■ Pass all applicable sections of the Florida Teacher Certification Examination.

## 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ None

## Certificates

■ None

## Related Minors

■ None

## Advising Notes

■ None

## Transfer Notes

■ None

## Acceptable Substitutes for Transfer Courses

■ None

## Plan of Study (120 hrs)

### Freshman Year - Fall 12 hrs

AMH 2010	U.S. History: 1492-1877	3 hrs
ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PSY 2012	General Psychology	3 hrs

### Freshman Year - Spring 12 hrs

AMH 2020	U.S. History: 1877-Present	3 hrs
ENC 1102	Composition II	3 hrs
POS 2041	American National Government	3 hrs

### Select 1: 3 hrs

ANT 2511	The Human Species or	3 hrs
BSC 1005	Biological Principles	3 hrs

### Freshman Year - Summer 6 hrs

SPC 1608	Fundamentals of Oral Communication	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

### Sophomore Year - Fall 15 hrs

EDF 2005	Introduction to the Teaching Profession	3 hrs
ECO 2013	Principles of Macroeconomics	3 hrs
PSC 1121	Physical Science	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

### Select 1: 3 hrs

STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs

### Sophomore Year - Spring 12 hrs

ECO 2023	Principles of Microeconomics	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
<sup>1</sup> EDF 2130	Child and Adolescent Development for Educators	3 hrs

<sup>1</sup> Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

### Sophomore Year - Summer 9 hrs

EUH 2000	Western Civilization I	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
	Political Science Elective (CPO, INR, POS 3/4XXX)	3 hrs

### Junior Year - Fall 15 hrs

EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs
EUH 2001	Western Civilization II	3 hrs
	Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX)	3 hrs

### Junior Year - Spring 12 hrs

SSE 4361	Social Science Instructional Analysis	4 hrs
SSE 3940	Internship	3 hrs
GEO 3471	World Political Geography	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

### Senior Year - Fall 12 hrs

EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
	American History Elective (AMH 3/4XXX)	3 hrs
	Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX)	3 hrs

# UCF Degree Programs

Senior Year - Spring  
SSE 4941 Internship 12 hrs  
12 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](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

## Social Sciences (B.S.)

### College of Sciences

Department of Sociology, Howard Phillips Hall,

Room: 403

<http://sociology.ucf.edu/>

E-mail: [sociology@mail.ucf.edu](mailto:sociology@mail.ucf.edu)

Dr. H. Corzine  
407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students' awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below "C" (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs  
Required ENC 1102 Composition II 3 hrs

Complete one of the following: 3 hrs

<sup>1</sup> Suggested SPC 1608 Fundamentals of Oral 3 hrs

Communication or

Suggested SPC 1603 Fundamentals of Technical 3 hrs

Presentations or

Prefer COM 1000 Introduction to Communication 3 hrs

<sup>1</sup> Required if Communication option of the major is to be followed.

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: 3 hrs

Required STA 2014C Principles of Statistics or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

Math: 3 hrs

■ You may substitute a higher level math with appropriate scores on the Math Placement Test.

Prefer MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

Select the following course: 3 hrs

Required POS 2041 American National Government 3 hrs

Select one of the following, depending on the concentration to be followed.

Required ANT 2000 General Anthropology or 3 hrs  
Required PSY 2012 General Psychology or 3 hrs  
Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ Students must complete two introductory courses in a social science discipline.

■ Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level

Select one of the following Statistics courses:

STA 2014C Principles of Statistics or GEP  
STA 2023 Statistical Methods I GEP

Select at least three of the following, depending on concentrations to be taken:

ANT 2000 General Anthropology or GEP  
POS 2041 American National Government or GEP  
PSY 2012 General Psychology or GEP  
SPC 1608 Fundamentals of Oral Communication or GEP  
SYG 2000 Introduction to Sociology GEP

4. Core Requirements: Advanced Level (57 hrs)

Select one methods' course: 3 hrs

POS 3703 Scope and Methods of Political Science or 3 hrs

PSY 3213C Research Methods in Psychology or 5 hrs

SYA 4300C Research Methods or 4 hrs

COM 3311 Communication Research Methods 3 hrs

### Required Minors:

■ Complete the requirements for 3 Social Science minors dealing with the following areas:

■ Only one minor may be selected from the same department or school.

Anthropology 18 hrs

Communication 18 hrs

Political Science 18 hrs

Psychology 25 hrs

Sociology 18 hrs

5. Restricted Electives

■ None

6. Capstone Requirements

■ Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in either a foreign language, two semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.

9. Additional Requirements

■ None

10. Required Minors

■ Three minors are to be selected from the following listing:

■ However only one minor may be taken within a single department or school.

■ Anthropology

■ Anthropology in Multicultural Studies

■ Interpersonal/Organizational Communication

■ Mass Communication

■ Medical Anthropology

■ North American Indian Studies

■ Political Science

- Political Science/Prelaw
- Psychology
- Sociology

## 11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of "C" (2.0) in all core courses is required.
- Before applying to graduate, the CLAS must be completely satisfied.
- 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, the CLAS and nine hours of Summer credit (if applicable)

## 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.

<b>Freshman Year - Fall</b>	<b>16 hrs</b>
ENC 1101 Composition I	3 hrs
Foreign Language	4 hrs
MGF 1107 Explorations in Mathematics	3 hrs
GEP	3 hrs
GEP	3 hrs

<b>Freshman Year - Spring</b>	<b>16 hrs</b>
ENC 1102 Composition II	3 hrs
Foreign Language	4 hrs
Core Course	3 hrs
GEP	3 hrs
Statistics	3 hrs

<b>Sophomore Year - Fall</b>	<b>13 hrs</b>
Elective / Minor	3 hrs
GEP	4 hrs

Core Course	3 hrs
GEP	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
GEP	3 hrs
GEP	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

<b>Junior Year - Spring</b>	<b>15 hrs</b>
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

<b>Senior Year - Spring</b>	<b>15 hrs</b>
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Elective / Minor	3 hrs
Free Elective	3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alcl/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcl/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$11 per term
- Full-Time Student: \$22 per term

## Social Work (B.S.W.)

### College of Health and Public Affairs

### School of Social Work, Health and Public Affairs I, Room: 204

<http://www.copha.ucf.edu/social/>

**E-mail: socialwk@mail.ucf.edu**

John Ronnau, Director

Robin Kohn, Undergraduate Program Coordinator

407-823-2114

## Admission Requirements

- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:

- Admission to the University
- A 2.5 overall GPA
- An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAS

- 15 semester hours common program prerequisites (see Section 2 below for list of courses)

- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.

# UCF Degree Programs

Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

## Degree Requirements

- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

##### Select 1: 3 hrs

Suggested STA 2014C Principles of Statistics or 3 hrs  
Suggested STA 2023 Statistical Methods I 3 hrs

##### Select 1: 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs  
Suggested MGF 1107 Explorations in Mathematics 3 hrs

#### D: Social Foundations (6 hrs)

Suggested POS 2041 American National Government 3 hrs  
Suggested PSY 2012 General Psychology 3 hrs

#### E: Science Foundations (6 hrs)

Suggested BSC 1005 Biological Principles 3 hrs

##### Select 1: 3 hrs

Prefer PSC 1121 Physical Science or 3 hrs  
Suggested AST 2002 Astronomy 3 hrs

### 2. Common Program Prerequisites (CPP) (6 hrs)

- See Transfer Notes
- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

POS 2041 American National Government GEP  
BSC 1005 Biological Principles GEP  
PSY 2012 General Psychology GEP  
SYG 2000 Introduction to Sociology 3 hrs

##### Select 1: 3 hrs

ECO 2013 Principles of Macroeconomics or 3 hrs  
ECO 2023 Principles of Microeconomics 3 hrs

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (45 hrs)

SOW 3104 Assessing I: Human Development 3 hrs  
SOW 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 Micro-Level Roles and Interventions in Social Work 3 hrs  
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs  
SOW 4522 Field Education Seminar 3 hrs  
SOW 4510 Field Education 9 hrs

### Required Principles of Statistics 3 hrs

- Choose one of the following suggested courses, or see advisor for more options:

STA 2014C Principles of Statistics 3 hrs  
STA 2023 Statistical Methods I 3 hrs

### Foreign Language or 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
- JST 3820 Modern Israeli Culture 3 hrs
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- AMH 3561 Women in American History I 3 hrs
- AMH 3571 Black American History I 3 hrs
- AMH 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
- ASL 3444 Introduction to Signed English and Culture of the Deaf 3 hrs
- SYD 3700 Race and Ethnicity 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs

### 5. Restricted Electives (3 hrs)

- Select three hours in consultation with faculty advisor.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

#### Graduation

- Cultural Diversity Requirement or Foreign Language requirement

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF



- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course
- Complete a three-credit thesis course
- Earn a 3.5 GPA in your Social Work major
- Earn a cumulative 3.2 GPA in your total UCF courses
- Complete 60 hours of college credit, including 12 upper division hours at UCF

hours at UCF

**Related Programs**

- Criminal Justice
- Psychology
- Sociology
- Public Administration

**Certificates**

- Aging Studies
- Children's Services

**Related Minors**

- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- American Humanics
- Non-Profit Management/American Humanics National Certification

Program

**Advising Notes**

- None

**Transfer Notes**

- Community College Equivalent courses for prerequisites: any course in the following areas (3 hrs each): American Government or American National Government; Biology (Human Biology or Anatomy & Physiology); Economics (Microeconomics or Macroeconomics); Introductory Psychology; Introductory Sociology; Principles of Statistics

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

**Freshman Year - Fall 14 hrs**

ENC 1101	Composition I	3 hrs
BSC 1005	Biological Principles	3 hrs
MGF 1106	Finite Mathematics	3 hrs
PAF 2102	Public Affairs Careers	2 hrs

**Select 1: 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	3 hrs

**Select 1: 3 hrs**

MUL 2010	Enjoyment of Music or	3 hrs
THE 2000	Theatre Survey or	3 hrs
REL 2300	World Religions or	3 hrs
PHI 2010	Introduction to Philosophy	3 hrs

**Sophomore Year - 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	3 hrs

**Select 1: 3 hrs**

EUH 2000	Western Civilization I or	3 hrs
WOH 2012	World Civilization I or	3 hrs

HUM 2210	Humanistic Tradition I or	3 hrs
AMH 2010	U.S. History: 1492-1877 or	3 hrs
	Foreign Language I or Cultural Diversity	3 hrs

**Sophomore Year - Spring 15 hrs**

Free Elective		3 hrs
Free Elective		3 hrs

**Select 1: 3 hrs**

CHM 1020	Concepts in Chemistry or	3 hrs
PSC 1121	Physical Science or	3 hrs
AST 2002	Astronomy	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
	Foreign Language II or Cultural Diversity	3 hrs

**Sophomore Year - Summer 6 hrs**

**Select 1: 3 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

**Junior Year - Fall 15 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
Restricted Elective		3 hrs
Free Elective		3 hrs

**Junior Year - Spring 15 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
Free Elective		3 hrs

**Junior Year - Summer 9 hrs**

SOW 3620	Social Work with Diverse Populations	3 hrs
SOW 4343	Macro-Level Roles and Interventions in Social Work	3 hrs
SOW Elective		3 hrs

**Senior Year - Fall 18 hrs**

SOW 4232	Social Welfare Policies and Issues	3 hrs
SOW 4341	Micro-Level Roles and Interventions in Social Work	3 hrs
SOW 4343	Macro-Level Roles and Interventions in Social Work	3 hrs
SOW 4730	Documentation in Social Work Practice	3 hrs
Free Elective		3 hrs

**Senior Year - Spring 12 hrs**

<sup>1</sup> SOW 4510	Field Education	9 hrs
<sup>2</sup> SOW 4941	Internship	5 hrs
<sup>1</sup> SOW 4522	Field Education Seminar	3 hrs
Free Elective		3 hrs

<sup>1</sup> For Full-time students ONLY

<sup>2</sup> For part-time students ONLY

**Senior Year - Summer 4 hrs**

<sup>1</sup> SOW 4941	Internship	4 hrs
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<sup>1</sup> For part-time students ONLY

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

# UCF Degree Programs

## Sociology (B.A.)

College of Sciences

Department of Sociology

<http://sociology.ucf.edu/>

E-mail: [sociology@mail.ucf.edu](mailto:sociology@mail.ucf.edu)

Dr. J. Corzine, [hcorzine@ucf.edu](mailto:hcorzine@ucf.edu)

407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a "C" (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

- A satisfactory score in the Math Placement Test is required before enrolling in this course.

Prefer MAC 1105C College Algebra 3 hrs

Statistics: 3 hrs

Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Political Science/Economics 3 hrs

Select one listed course 3 hrs

Social Sciences 3 hrs

Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including possible substitutions.

SYG 2000 Introduction to Sociology GEP

SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level

SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (12 hrs)

SYA 4300C Research Methods 4 hrs

SYA 4450 Data Analysis 4 hrs

SYA 3110 Social Theory CPP

SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)

Select from the following courses:

- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

SYA 3120 Contemporary Social Theory 3 hrs

SYA 4650C Community Action and Involvement 3 hrs

SYA 5625 ProSeminar 3 hrs

SYA 5652 Advanced Population 3 hrs

SYD 3410 Urban Society 3 hrs

SYD 3700 Race and Ethnicity 3 hrs

SYD 4510 Environment and Society 3 hrs

SYD 4810 Women in Contemporary Society 3 hrs

SYD 4813 Women, Law and Social Change 3 hrs

SYG 2010 Social Problems 3 hrs

SYO 3000 Contemporary Society 3 hrs

SYO 3360 Social Organization and Human Relations 3 hrs

SYO 3410 Patterns of Mental Health in Society 3 hrs

SYO 3530 Social Power and Inequality 3 hrs

SYO 4100 Family Trends 3 hrs

SYO 4200 Religion in Society 3 hrs

SYO 4250 Education and Social Achievement 3 hrs

SYO 4300 Political Sociology 3 hrs

SYO 4400 Medical Sociology 3 hrs

SYP 3300 Fads, Crowds, and Social Action 3 hrs

SYP 3400 Social Change 3 hrs

SYP 3510 Sociology of Deviant Behavior 3 hrs

SYP 3511 Sociology of Murder 3 hrs

SYP 3520 Criminology 3 hrs

SYP 3530 Juvenile Delinquency 3 hrs

SYP 3540 Sociology of Law 3 hrs

SYP 3551 Patterns of Alcoholism in Society 3 hrs

SYP 3562 Patterns of Domestic Violence in Society 3 hrs

SYP 3602 Patterns of Popular Music in Society 3 hrs

SYP 3630 Popular Culture In Society 3 hrs

SYP 3650 Sports and Society 3 hrs

SYP 4000 Sociological Social Psychology 3 hrs

SYP 4004 Constructing Social Issues 3 hrs

SYP 4521 Crime Victims in Society 3 hrs

SYP 4536 Gangs and Society 3 hrs

SYP 4550 Patterns of Drug Abuse in Society 3 hrs

SYP 4730 Patterns of Aging in Society 3 hrs

SYP 4732 Minority Aging 3 hrs

SYP 5525 Sociological Criminology 3 hrs

SYP 4514 Patterns of Violence in Society 3 hrs

SYD 3800 Sex and Gender in Society 3 hrs

SYD 4020 Birth, Death, and Population Trends 3 hrs

### Internship:

- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.

SYA 3940 Internship or 3 hrs

SYA 4941 Internship or 3 hrs

SYA 5944 Internship 3 hrs

All special topics courses with the prefixes SYA, SYD, SYO, or SYP 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

- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- Anthropology
- Criminal Justice

## Certificates

- None

## Related Minors

- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women's Studies

## Advising Notes

- None

## Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

## Acceptable Substitutes for Transfer Courses

- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110; although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

## Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test - <http://math-placement.sdes.ucf.edu/>

## Freshman Year - Fall

ENC 1101	Composition I	3 hrs
MAC 1105C	College Algebra	3 hrs
SYG 2000	Introduction to Sociology	3 hrs
Foreign Language		4 hrs
GEP		3 hrs

## Freshman Year - Spring

ENC 1102	Composition II	3 hrs
STA 2014C	Principles of Statistics	3 hrs
Free Elective		3 hrs
Foreign Language		4 hrs
GEP		3 hrs

## Sophomore Year - Fall

GEP		3 hrs
GEP		3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

## Sophomore Year - Spring

GEP		3 hrs
GEP		3 hrs
Restricted Elective		4 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs

## Junior Year - Fall

GEP		3 hrs
SYA 4300C	Research Methods	4 hrs
Restricted Elective		3 hrs
SYA 3400C	Applied Social Statistics	4 hrs

## Junior Year - Spring

Free Elective		3 hrs
SYA 3110	Social Theory	3 hrs
SYA 4450	Data Analysis	4 hrs
Free Elective		4 hrs

## Senior Year - Fall

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs
Free Elective		3 hrs

## Senior Year - Spring

Restricted Elective		3 hrs
Restricted Elective		3 hrs
Restricted Elective		3 hrs
Free Elective		3 hrs
Free Elective		2 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeads.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$7.50 per term
- Full-Time Student: \$15 per term

## Spanish (B.A.)

### College of Arts and Humanities

### Department of Modern Languages and Literatures,

### Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu/>

**E-mail: [forlang@mail.ucf.edu](mailto:forlang@mail.ucf.edu)**

Dr. Paul Giordano

407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

## Admission Requirements

- None

## Degree Requirements

- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.

# UCF Degree Programs

- Students must earn at least a "C" (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
<b>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
<sup>1</sup> Prefer MGF 1106 Finite Mathematics	3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> May substitute a higher level math

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>E: Science Foundations</b>	<b>(6 hrs)</b>

## 2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

<sup>1</sup> SPN 1120C Elementary Spanish Language and Civilization I	4 hrs
<sup>1</sup> SPN 1121C Elementary Spanish Language and Civilization II	4 hrs
<sup>1</sup> SPN 2200 Intermediate Spanish Language and Civilization I	3 hrs

<sup>1</sup> May be met by proficiency test or completion of SPN 3234

## 3. Core Requirements: Basic Level

SPN 3234 Advanced Directed Readings	3 hrs
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## 4. Core Requirements: Advanced Level

<sup>1</sup> SPN 3300 Advanced Spanish Grammar and Composition	3 hrs
<sup>1</sup> SPN 3420 Spanish Composition	3 hrs
<sup>1</sup> SPN 3760 Advanced Spanish Oral Communication	3 hrs

Select one of the following sequences of courses:

SPW 3100 Survey of Spanish Literature I and	3 hrs
SPW 3101 Survey of Spanish Literature II	3 hrs

or

SPW 3130 Survey of Latin-American Literature I and	3 hrs
SPW 3131 Survey of Latin-American Literature II	3 hrs

<sup>1</sup> 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)

<b>Select one of the following</b>	<b>3 hrs</b>
FOL 3730 Romance Philology	3 hrs
SPN 4801 Spanish Morphosyntax	3 hrs
SPN 4800 Spanish-American Syntax	3 hrs
SPN 4780 Spanish Phonetics	3 hrs
SPN 3852 Bilinguismo	3 hrs

## Spanish literature beyond the survey level 6 hrs

- taught in Spanish

## Culture and Civilization 3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
SPN 4510 Spanish Civilization and Culture or	3 hrs
SPN 4520 Latin American Civilization and Culture	3 hrs

## Spanish courses 9 hrs

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Met by Graduation requirements.

### Graduation

- Met by Common Program Prerequisites.

## 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
- Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
- Computer Competency met by the following or equivalent:
 

CGS 1060C Introduction to Computer Science	3 hrs
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## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

- 120

## Honors In Major

- None

## Related Programs

- French
- Modern Language Combination

## Certificates

- None

## Related Minors

- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

## Advising Notes

- None

## Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

## Acceptable Substitutes for Transfer Courses

- None

## Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (\*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

## Freshman Year - Fall

ANT 2000 General Anthropology	3 hrs
ENC 1101 Composition I	3 hrs
MGF 1106 Finite Mathematics	3 hrs
SPN 1120C Elementary Spanish Language and Civilization I	4 hrs
Elective / Minor	3 hrs

## Freshman Year - Spring

ENC 1102	Composition II	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs
Elective / Minor		4 hrs

## Sophomore Year - Fall

AMH 2010	U.S. History: 1492-1877	3 hrs
ARH 2050	History of Western Art I	3 hrs
POS 2041	American National Government	3 hrs
PSC 1121	Physical Science	3 hrs
SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs

## Sophomore Year - Spring

BSC 1005	Biological Principles	3 hrs
MUL 2010	Enjoyment of Music	3 hrs
COM 1000	Introduction to Communication	3 hrs
SPN 3234	Advanced Directed Readings	3 hrs
Elective / Minor		3 hrs

## Junior Year - Fall

SPN 3300	Advanced Spanish Grammar and Composition	3 hrs
SPN 3420	Spanish Composition	3 hrs
SPN 3760	Advanced Spanish Oral Communication	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

## Junior Year - Spring

SPW 3101	Survey of Spanish Literature II	3 hrs
SPN 4780	Spanish Phonetics	3 hrs
SPN 3141	Business Spanish II	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

## Senior Year - Fall

SPW 3100	Survey of Spanish Literature I	3 hrs
SPN 4520	Latin American Civilization and Culture	3 hrs
SPN 5705	Introduction to Spanish Linguistics	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

## Senior Year - Spring

SPW 3131	Survey of Latin-American Literature II	3 hrs
SPW 4381	Latin-American Theatre/Poetry	3 hrs
SPN 4410	Advanced Spanish Conversation	3 hrs
Elective / Minor		3 hrs
Elective / Minor		3 hrs

## Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeads.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alca/academic_learning_compacts.htm)

## Sport and Exercise Science (B.S.)

### College of Education

**Department of Child, Family and Community Sciences,  
 Education Building, Room: 209**

<http://education.ucf.edu/sportexercise>

Dr. Jay Hoffman, ED 320H, jrhoffma@mail.ucf.edu

The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students select from one of two areas of specialization: Sport Leadership or Exercise Science. Within the Sport Leadership specialization, students select either a Coaching or Recreation option, while students interested in Exercise Science specialization, select one of three options: Human Performance, Strength and Conditioning, or Children's Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.

## Admission Requirements

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.5 overall GPA.
- Meet the University CLAS requirement.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

## Degree Requirements

- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least a 2.5.
- Prior to participation in Sport and Exercise Science Practicum, students must have achieved admission into one of the two areas of specialization.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application and approval process of the organization with which they will be working.

### 1. UCF General Education Program (GEP) (37 hrs)

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

Prefer	AMH 2010	U.S. History: 1492-1877	3 hrs
Prefer	AMH 2020	U.S. History: 1877-Present	3 hrs
	Elective from GEP section B.2		3 hrs

#### C: Mathematical Foundations (6 hrs)

Prefer	MGF 1106	Finite Mathematics	3 hrs
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#### Select 1: (3 hrs)

Prefer	STA 1060C	Basic Statistics Using Microsoft Excel or Principles of Statistics	3 hrs
Prefer	STA 2014C	Principles of Statistics	3 hrs

#### D: Social Foundations (6 hrs)

Prefer	POS 2041	American National Government	3 hrs
Prefer	PSY 2012	General Psychology	3 hrs

#### E: Science Foundations (7 hrs)

Required	BSC 2010C	Biology I	4 hrs
Prefer	PSC 1121	Physical Science	3 hrs

### 2. Common Program Prerequisites (CPP)

- None

### 3. Core Requirements: Basic Level (18 hrs)

#### Core Requirements for Sport and Exercise Science: (18 hrs)

PET 2084	Introduction to Sport and Exercise Science	3 hrs
PET 3097	Health and Wellness	3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs
PET 4312C	Kinesiology/Biomechanics	3 hrs
PET 4351C	Exercise Physiology	3 hrs
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs

### 4. Core Requirements: Advanced Level (36 hrs)

- Select one Specialization below: Sport Leadership OR Exercise Science; Select Electives- approved by advisor

#### A. Sport Leadership Specialization

##### A1. Coaching (36 hrs)

ATR 2010C	Athletic Injuries: Mechanisms and Prevention	3 hrs
PET 3765	Coaching Theory	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs

## UCF Degree Programs

PET 4401	Administration and Evaluation in Sport and Fitness	3 hrs
PET 4763	Coaching Methods And Principles	3 hrs
SPM 3204	Sports and Ethics	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science	3 hrs
SPM 3504	Fiscal and Facilities: Issues in Sport and Exercise Science	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs

<b>Coaching Specific Class</b>		<b>3 hrs</b>
PEO 2624	Coaching Basketball or	3 hrs
PEO 3324	Coaching Volleyball or	3 hrs
PEO 3644	Coaching Football	3 hrs

<b>A2. Recreation</b>		<b>27 hrs</b>
PET 3765	Coaching Theory	3 hrs
PET 3820	Teaching Sports Skills I	3 hrs
PET 4002	Outdoor and Leisure Activities	3 hrs
PET 4401	Administration and Evaluation in Sport and Fitness	3 hrs
SPM 3130	Aquatic Management	3 hrs
SPM 3204	Sports and Ethics	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science	3 hrs
SPM 3504	Fiscal and Facilities: Issues in Sport and Exercise Science	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs

### B. Exercise Science Specialization

<b>B1. Human Performance</b>		<b>24 hrs</b>
ZOO 3736C	Exercise Physiology Anatomy	4 hrs
ATR 2010C	Athletic Injuries: Mechanisms and Prevention	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs
PET 4552	Exercise Prescription for Special Populations	3 hrs

<b>B2. Strength and Conditioning</b>		<b>21 hrs</b>
ATR 2010C	Athletic Injuries: Mechanisms and Prevention	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 3765	Coaching Theory	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4083	Personal Training Methods	3 hrs
PET 4215	Motivational Aspects of Athletic Performance	3 hrs
SPM 4723	Legal Issues in Sport and Exercise Science	3 hrs

### B3. Children's Physical Activity & Movement

■ Complete the following required courses and meet with advisor for electives.

PEO 3041	Games Analysis	3 hrs
PET 3820	Teaching Sports Skills I	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4710	Methods for Physical Activity for Children and Adolescents	3 hrs

### Select four courses from the following list (must see advisor)

SPM 3204	Sports and Ethics or	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science or	3 hrs
PET 3768	Group Exercise Instruction or	3 hrs
PET 3771	Strength and Conditioning Concepts or	3 hrs
PET 4215	Motivational Aspects of Athletic Performance or	3 hrs
EEC 3700	Social and Emotional Development of Young Children or	3 hrs
EEC 4303	Planning Creative Activities in Early Childhood Education or	3 hrs
EEC 4604	Classroom Management and Guidance of Young Children or	3 hrs
EEC 4661	Early Childhood Education Theory and Practice	3 hrs

### 5. Restricted Electives

■ None

### 6. Capstone Requirements

(12 hrs)

<sup>1</sup> PET 3137	Concepts and Practices in Sport and Exercise Science	3 hrs
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### Select 1:

9 hrs

PET 4926	Sport and Exercise Science Practicum or	9 hrs
Take 3 additional electives in the program approved by the advisor		9 hrs

<sup>1</sup> A. For Sport Leadership majors OR B. For Exercise Science majors

■ During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they hope to work. The students will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status.

■ The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed.

■ If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

### 7. Foreign Language Requirements

#### Admissions

■ (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

### 8. Electives

(14 hrs)

■ (14-34 hrs) Students have the opportunity to add additional courses within the major to strengthen their learning experience, perform a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate work in medicine, physical therapy and other allied health graduate programs.

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ A minimum overall GPA of 2.5.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ None

### Certificates

■ None

<b>Related Minors</b>	
■ Coaching	
■ Fitness Training	
■ Recreation	
<b>Advising Notes</b>	
■ None	
<b>Transfer Notes</b>	
■ None	
<b>Acceptable Substitutes for Transfer Courses</b>	
■ None	
<b>Plan of Study</b>	<b>(120 hrs)</b>
■ Sport Leadership	
<b>Freshman Year - Fall</b>	
ENC 1101	Composition I 3 hrs
PSC 1121	Physical Science 3 hrs
PSY 2012	General Psychology 3 hrs
Elective	3 hrs
<b>Freshman Year - Spring</b>	
BSC 2010C	Biology I 4 hrs
ENC 1102	Composition II 3 hrs
MGF 1106	Finite Mathematics 3 hrs
POS 2041	American National Government 3 hrs
SPC 1608	Fundamentals of Oral Communication 3 hrs
<b>Sophomore Year - Fall</b>	
PET 2084	Introduction to Sport and Exercise Science 3 hrs
GEP B.1	3 hrs
Elective	6 hrs
<b>Select 1:</b>	<b>3 hrs</b>
CGS 1060C	Introduction to Computer Science or 3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C	Principles of Statistics 3 hrs
<b>Sophomore Year - Spring</b>	
PET 3097	Health and Wellness 3 hrs
GEP B.1	3 hrs
Specialization or Elective	9 hrs
<b>Junior Year - Fall</b>	
PET 4312C	Kinesiology/Biomechanics 3 hrs
PET 4550C	Assessment and Evaluation in Exercise 3 hrs
	Science
PET 4351C	Exercise Physiology 3 hrs
Specialization course	6 hrs
<b>Junior Year - Spring</b>	
PET 3361	Nutrition and Metabolism in Sport and 3 hrs
	Exercise Science
SPM 3504	Fiscal and Facilities: Issues in Sport and 3 hrs
	Exercise Science
Specialization/elective courses	9 hrs
<b>Junior Year - Summer</b>	
Specialization course	3 hrs
<b>Senior Year - Fall</b>	
Specialization/elective courses	15 hrs
<b>Senior Year - Spring</b>	
PET 3137	Concepts and Practices in Sport and 3 hrs
	Exercise Science
<b>Select 1:</b>	<b>9 hrs</b>
PET 4926	Sport and Exercise Science Practicum or 9 hrs
9 hours of courses in the major	9 hrs
<b>Exercise Science</b>	
<b>Freshman Year - Fall</b>	
ENC 1101	Composition I 3 hrs
PSC 1121	Physical Science 3 hrs
PSY 2012	General Psychology 3 hrs
Elective	3 hrs
<b>Freshman Year - Spring</b>	
BSC 2010C	Biology I 4 hrs
ENC 1102	Composition II 3 hrs
MGF 1106	Finite Mathematics 3 hrs
POS 2041	American National Government 3 hrs
SPC 1608	Fundamentals of Oral Communication 3 hrs

<b>Sophomore Year - Fall</b>		<b>15 hrs</b>
PET 2084	Introduction to Sport and Exercise Science	3 hrs
GEP B.1		3 hrs
Elective		6 hrs
<b>Select 1:</b>		<b>3 hrs</b>
CGS 1060C	Introduction to Computer Science or	3 hrs
STA 1060C	Basic Statistics Using Microsoft Excel or	3 hrs
STA 2014C	Principles of Statistics	3 hrs
<b>Sophomore Year - Spring</b>		<b>15 hrs</b>
PET 3097	Health and Wellness	3 hrs
GEP B.1		3 hrs
Specialization or elective courses		9 hrs
<b>Junior Year - Fall</b>		<b>15 hrs</b>
PET 4312C	Kinesiology/Biomechanics	3 hrs
PET 4550C	Assessment and Evaluation in Exercise	3 hrs
	Science	
PET 4351C	Exercise Physiology	3 hrs
Specialization course		6 hrs
<b>Junior Year - Spring</b>		<b>15 hrs</b>
PET 3361	Nutrition and Metabolism in Sport and	3 hrs
	Exercise Science	
Specialization/Elective Courses		12 hrs
<b>Junior Year - Summer</b>		<b>3 hrs</b>
Specialization course		3 hrs
<b>Senior Year - Fall</b>		<b>15 hrs</b>
Specialization/Elective courses		15 hrs
<b>Senior Year - Spring</b>		<b>12 hrs</b>
PET 3137	Concepts and Practices in Sport and	3 hrs
	Exercise Science	
<b>Select 1:</b>		<b>9 hrs</b>
PET 4926	Sport and Exercise Science Practicum or	9 hrs
9 hours of courses in major		9 hrs

**Program Academic Learning Compacts**  
 ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeas.ucf.edu/alac/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alac/academic_learning_compacts.htm)

**Statistics (B.S.)**  
**College of Sciences**  
**Department of Statistics, Computer Center II,**  
**Room: 212**  
<http://statistics.cos.ucf.edu/>  
**E-mail: statistics@ucf.edu**  
 Dr. David Nickerson, 407-823-5528  
 407-823-2289

**Admission Requirements**  
 ■ None

**Degree Requirements**  
 ■ Students who change degree programs and select this major must adopt the most current catalog.  
 ■ Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.  
 ■ Students must earn at least a "C" (2.0) in each course with a STA prefix.  
 ■ A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.  
 ■ Co-op or internship credit cannot be used in this major.  
 ■ Students should consult with a departmental advisor.  
 ■ Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

# UCF Degree Programs

■ All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.

STA 2023	Statistical Methods I	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

## 1. UCF General Education Program (GEP) (39 hrs)

■ Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

**A: Communication Foundations (9 hrs)**

**B: Cultural & Historical Foundations (9 hrs)**

**C: Mathematical Foundations (7 hrs)**

Required	MAC 2311	Calculus with Analytic Geometry I	4 hrs
Required	STA 2023	Statistical Methods I	3 hrs

**D: Social Foundations (6 hrs)**

**Economics (3 hrs)**

Prefer	ECO 2013	Principles of Macroeconomics	3 hrs
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**Social Sciences: Select one. (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 (8 hrs)**

**Life Science: (4 hrs)**

Required	BSC 2010C	Biology I	4 hrs
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**Physical Science: (4 hrs)**

Required	CHM 2045C	Chemistry Fundamentals I or	4 hrs
Required	PHY 2053C	College Physics I	4 hrs

## 2. Common Program Prerequisites (CPP) (15 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information, including some possible substitutes.

COP 3223	Introduction to Programming with C	3 hrs
MAC 2311	Calculus with Analytic Geometry I	GEP
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
STA 2023	Statistical Methods I	GEP

**Complete two laboratory courses designed for science majors; (8 hrs)**

■ The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.

BSC 2010C	Biology I or	GEP
BSC 2011C	Biology II or	4 hrs
CHM 2045C	Chemistry Fundamentals I or	GEP
CHM 2046 plus Lab	Chemistry Fundamentals II or	4 hrs
PHY 2053C	College Physics I or	GEP
PHY 2054C	College Physics II	4 hrs

## 3. Core Requirements: Basic Level

STA 2023	Statistical Methods I	GEP/CPP
MAC 2311	Calculus with Analytic Geometry I	GEP/CPP
MAC 2312	Calculus with Analytic Geometry II	CPP
MAC 2313	Calculus with Analytic Geometry III	CPP
BSC 2010C	Biology I	GEP/CPP

## 4. Core Requirements: Advanced Level (43 hrs)

STA 4102	Computer Processing of Statistical Data	3 hrs
STA 4163	Statistical Methods II	3 hrs
STA 4164	Statistical Methods III	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
COP 3502C	Computer Science I	3 hrs
COT 4500	Numerical Calculus	3 hrs

**Select 1: (4 hrs)**

MAS 3105	Matrix and Linear Algebra or	4 hrs
MAS 3106	Linear Algebra	4 hrs

**Select 1: (3 hrs)**

COT 3100C	Introduction to Discrete Structures or	3 hrs
MHF 3302	Logic and Proof in Mathematics	3 hrs

**Select 4: (12 hrs)**

STA 3096	Statistical Graphics or	3 hrs
STA 4173	Biostatistical Methods or	3 hrs
STA 4183	Theory of Interest or	3 hrs
STA 4184	Introduction to Derivative Markets or	3 hrs
STA 4186	Theory of Derivative Pricing or	3 hrs
STA 4222	Sample Survey Methods or	3 hrs
STA 4502	Nonparametric Statistical Methods or	3 hrs
STA 4504	Categorical Data Analysis or	3 hrs
STA 4664	Statistical Quality Control or	3 hrs
STA 4852	Applied Time Series	3 hrs

## 5. Restricted Electives (6 hrs)

■ Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.

■ Selected courses in engineering or business may be used but must first be approved by the Statistics Department.

■ The following courses cannot be used to satisfy this requirement:

MAC 2233	Concepts of Calculus	3 hrs
MAC 2253	Applied Calculus I	3 hrs
MAC 2254	Applied Calculus II	3 hrs
MHF 4404	History of Mathematics	3 hrs
All MAE courses		

## 6. Capstone Requirements

■ None

## 7. Foreign Language Requirements

### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

■ None

## 8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

■ The following courses from business may be used without prior approval by the Statistics Department.

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs
FIN 3403C	Business Finance	4 hrs

## 9. Additional Requirements

■ None

## 10. Required Minors

■ None

## 11. Departmental Exit Requirements

■ Earn a grade of "C" (2.0) or better in each STA course.

■ Take SOA Exam P (Probability) and report the score to the department.

■ Before applying to graduate, the CLAS must be completely satisfied.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

■ 120

## Honors In Major

■ None

## Related Programs

- Mathematics - Applied Track
- 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 is 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://mathplacement.sdes.ucf.edu/>

<b>Freshman Year - Fall</b>	<b>13 hrs</b>
STA 2023 Statistical Methods I	3 hrs
ENC 1101 Composition I	3 hrs
MAC 2311 Calculus with Analytic Geometry I	4 hrs
GEP	3 hrs

<b>Freshman Year - Spring</b>	<b>15 hrs</b>
ENC 1102 Composition II	3 hrs
BSC 2010C Biology I	4 hrs
MAC 2312 Calculus with Analytic Geometry II	4 hrs

<b>Select one course:</b>	<b>4 hrs</b>
CHM 2045C Chemistry Fundamentals I or	4 hrs
PHY 2053C College Physics I	4 hrs

<b>Sophomore Year - Fall</b>	<b>16 hrs</b>
GEP	3 hrs
GEP	3 hrs
MAC 2313 Calculus with Analytic Geometry III	4 hrs
STA 4163 Statistical Methods II	3 hrs
ECO 2013 Principles of Macroeconomics	3 hrs

<b>Sophomore Year - Spring</b>	<b>15 hrs</b>
COP 3223 Introduction to Programming with C	3 hrs
Core Course	3 hrs
Core Course	4 hrs
STA 4164 Statistical Methods III	3 hrs

<b>Junior Year - Fall</b>	<b>15 hrs</b>
STA 4321 Statistical Theory I	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Core Course	3 hrs
Core Course	3 hrs

<b>Junior Year - Spring</b>	<b>16 hrs</b>
STA 4322 Statistical Theory II	3 hrs
Free Elective	3 hrs
Core Course	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

<b>Senior Year - Fall</b>	<b>15 hrs</b>
COT 4500 Numerical Calculus	3 hrs
STA 4102 Computer Processing of Statistical Data	3 hrs
Elective / Minor	3 hrs
Core Course	3 hrs
ENC 3241 Writing for the Technical Professional	3 hrs
Take SOA EXAM P (Probability).	

<b>Senior Year - Spring</b>	<b>15 hrs</b>
GEP	3 hrs
GEP	3 hrs

Elective / Minor	3 hrs
Elective / Minor	3 hrs
Elective / Minor	3 hrs

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alca/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, [jwhitema@mail.ucf.edu](mailto:jwhitema@mail.ucf.edu), 407-325-6293  
407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see <http://distrib.ucf.edu/home>.

## Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

## Degree Requirements

- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

### 2. Common Program Prerequisites (CPP) (9 hrs)

EDF 2005	Introduction to the Teaching Profession	3 hrs
EDF 2085	Introduction to Diversity for Educators	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (57 hrs)

ADE 4382	Teaching Adult Learners in Technical Programs	3 hrs
ECT 3062	Professional Role of the Vocational Teacher	3 hrs
ECT 3365	General Methods/Testing Evaluation in Career & Technical Education	3 hrs
ECT 3367	Evaluation of Vocational Instruction	3 hrs
ECW 3564	Special Populations in Career & Technical Education	3 hrs

## UCF Degree Programs

ECT 4004	Principles and Practices of Technical Education	3 hrs
ECT 4184	Curriculum Development Techniques for Industry Training	3 hrs
ECT 4384	Advanced Teaching Techniques for Vocational Education	3 hrs
<b>Select 1:</b>		<b>3 hrs</b>
BTE 4410	Course Construction in Business Education	3 hrs
	<b>or</b>	
ECW 3312	Course Construction in Health Occupations Education	3 hrs
	<b>or</b>	
ECT 3371	Course Construction in Industrial Education	3 hrs

### Technical Specialization Requirements 30 hrs

■ Students must complete an area specialization through one of the following routes:

- Occupation-specific courses
- Recognized occupational license/registration/certification
- Occupational examination
- Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

### 5. Restricted Electives (18 hrs)

#### Upper Division Electives 6 hrs

- With advisor's approval

#### Directed Field Experience 12 hrs

■ The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

■ Achieve a minimum 2.5 GPA in all courses within the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- None

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

(120 hrs)

#### Freshman Year - Fall

ENC 1101	Composition I	3 hrs
MGF 1106	Finite Mathematics	3 hrs
SPC 1608	Fundamentals of Oral Communication	3 hrs
	Social Foundations Course	3 hrs
	Cultural-Historical Foundations Course	3 hrs

#### Freshman Year - Spring

ENC 1102	Composition II	3 hrs
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#### Select 1:

STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
STA 2014C	Principles of Statistics	3 hrs
	Cultural-Historical Foundations Course	3 hrs
	Cultural-Historical Foundations Course	3 hrs
	Social Foundations Course	3 hrs

#### Sophomore Year - Fall

EDF 2005	Introduction to the Teaching Profession	3 hrs
EME 2040	Introduction to Technology for Educators	3 hrs
	Technical Specialization Course	3 hrs
	Science Foundations Course	3 hrs
	Foreign Language Course (if needed)	4 hrs

#### Sophomore Year - Spring

EDF 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
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#### Select 1:

ECW 3312	Course Construction in Health Occupations Education	3 hrs
	<b>or</b>	
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 Role of the Vocational Teacher	3 hrs
ECT 3367	Evaluation of Vocational 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 Vocational Education	3 hrs
	Upper Division Electives	6 hrs

#### Senior Year - Spring

ECT 4941	Internship	12 hrs
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#### 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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

**Theatre (B.F.A.)**

**College of Arts and Humanities**

**Department of Theatre, Performing Arts Center,**

**Room: T211**

<http://www.theatre.ucf.edu/>

**E-mail: theatre@mail.ucf.edu**

Be Boyd, Coordinator: Acting, [bbboyd@mail.ucf.edu](mailto:bbboyd@mail.ucf.edu)

Bert Scott, Coordinator: Design & Technology, Stage Management,

[hscott@mail.ucf.edu](mailto:hscott@mail.ucf.edu)

407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

**Admission Requirements**

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at <http://www.theatre.ucf.edu>.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See <http://www.theatre.ucf.edu> for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student's best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See <http://www.theatre.ucf.edu>
- All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major

- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.
- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department's Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Students must follow the most recent department student handbooks which are available on the department website at <http://www.theatre.ucf.edu>.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
<sup>1</sup> Required THE 2020 Survey of Theatre for Majors	3 hrs
<sup>2</sup> Required ARH 2051 History of Western Art II	3 hrs

# UCF Degree Programs

<sup>1</sup> This course is only taught during the fall semesters.

<sup>2</sup> Design & Technology Students select ARH 2051 (History of Western Art II)

**C: Mathematical Foundations (6 hrs)**  
<sup>1</sup> Required MGF 1106 Finite Mathematics 3 hrs  
 Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

<sup>1</sup> (May substitute for a higher level math)

**D: Social Foundations (6 hrs)**

**E: Science Foundations (6 hrs)**

**2. Common Program Prerequisites (CPP) (20 hrs)**

■ See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

<sup>1</sup> THE 2020 Survey of Theatre for Majors GEP

<sup>1</sup> THE 2304 Script Analysis 3 hrs

THE 2090L Theatre Participation-Management I 1 hr

TPA 2290L Theatre Participation-Production I 1 hr

<sup>1</sup> TPP 3310C Directing for Theatre I 3 hrs

**Acting 3 hrs**

■ 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

**Technical Theatre Production or Stagecraft I**

■ Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.

TPA 2201 Technical Theatre Production and 2 hrs

TPA 2201L Technical Theatre Production Lab 1 hr

or

TPA 2210 Stagecraft I 3 hrs

**Acting II or Stagecraft II**

■ Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.

TPP 2170C Acting II -The Actor Prepares 3 hrs

or

TPA 2211 Stagecraft II 3 hrs

**Design Basics or Elective**

■ Design & Technology and Stage Management select TPA 2000C.

Acting Select Elective.

TPA 2000C Theatre Design Basics 3 hrs

or

Theatre Elective offered by Theatre Department (DAA, THE, TPA, TPP Prefix) 3 hrs

<sup>1</sup> \*See Transfer Notes for possible substitutes.

**3. Core Requirements: Basic Level (9 hrs)**

THE 3311 Theatre History and Dramatic Literature I 3 hrs

THE 3312 Theatre History and Dramatic Literature II 3 hrs

THE 3313 Theatre History and Dramatic Literature III 3 hrs

THE 2081C Introduction to UCF Theatre 0 hrs

THE 4954 Theatre Exit Critique 0 hrs

**4. Core Requirements: Advanced Level (64 hrs)**

**Specialization: select one area**

**Acting Specialization 61 hrs**

TPA 2248C Makeup Techniques and 2 hrs

DAA 2200C Ballet I and 2 hrs

TPP 2710C Voice Production I and 2 hrs

TPP 3172C Acting III - Building the Character and 3 hrs

TPP 3510C Movement for the Actor I and 2 hrs

TPP 3513C Movement for the Actor II and 2 hrs

TPP 4512C Stage Combat and 2 hrs

TPP 3257C Musical Theatre Voice I and 2 hrs

TPP 3258C Musical Theatre Voice II and 2 hrs

TPP 3711C Voice Production II and 2 hrs

TPP 3712C Voice Production III and 2 hrs

TPP 4730C Dialects and 2 hrs

TPP 4140C Acting IV - Creating the Role and 3 hrs

TPP 4142C Acting Verse and 3 hrs

TPP 4265C Camera Acting and 3 hrs

TPP 4531C Period Movement and 2 hrs

TPP 4221 Auditioning and 3 hrs

TPP 4223C Theatre Careers for Performance and 3 hrs

TPP 2190L Theatre Participation-Performance I and 1 hr

TPP 4940L Theatre Internship and 6 hrs

Restricted Electives (see list of courses) 12 hrs

**Select 1: 2 hrs**

DAA 2570C Jazz Dance I or 2 hrs

DAA 2100C Modern Dance I 2 hrs

**Select 1: 1 hr**

TPA 4293L Theatre Participation-Production II or 1 hr

THE 4093L Theatre Participation-Management II or 1 hr

TPP 4193L Theatre Participation-Performance II 1 hr

**Stage Management Specialization 61 hrs**

TPA 2210L Stagecraft I Lab and 1 hr

TPA 2211L Stagecraft II Lab and 1 hr

<sup>1</sup> TPA 4293L Theatre Participation-Production II and 1 hr

<sup>1</sup> TPA 4293L Theatre Participation-Production II and 1 hr

TPA 4400 Theatre Management and 3 hrs

TPA 2010C Scenography and 3 hrs

TPA 2220C Stage Electronics and 3 hrs

TPA 2600 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 3 hrs

I and

THE 4285 Period Costume, Architecture, and Decor 3 hrs

II and

TPA 4401C Theatre Careers in Production and 3 hrs

TPA 4250C CADD for Theatre and 2 hrs

TPP 3103 Intermediate Acting and 3 hrs

TPA 2170C Introduction to Theatre Production 2 hrs

Documentation and

TPA 3060C Scene Design for Theatre I or TPA 3040C 3 hrs

Costume Design for Theatre I and

TPP 4940L Theatre Internship and 6 hrs

Restricted Electives (see list of courses) 8 hrs

**Select 1: 3 hrs**

TPA 3221C Lighting Design for Theatre I or 3 hrs

TPA 3260C Sound Design for Theatre I 3 hrs

**Design & Technology Specialization 64 hrs**

ARH 2051 History of Western Art II and GEP

TPA 2210L Stagecraft I Lab and 1 hr

TPA 2211L Stagecraft II Lab and 1 hr

TPA 2170C Introduction to Theatre Production 2 hrs

Documentation and

TPA 2220C Stage Electronics and 3 hrs

<sup>1</sup> TPA 4293L Theatre Participation-Production II and 1 hr

<sup>1</sup> TPA 4293L Theatre Participation-Production II and 1 hr

TPA 2071C Theatre Rendering and 3 hrs

TPA 2010C Scenography and 3 hrs

THE 4284 Period Costume, Architecture, and Decor 3 hrs

I and

THE 4285 Period Costume, Architecture, and Decor 3 hrs

II and

TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs

TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs

TPA 2230C Costume Construction and 3 hrs

TPA 4250C CADD for Theatre and 2 hrs

TPA 4251C Advanced CADD for Theatre and 2 hrs

TPA 4401C Theatre Careers in Production and 3 hrs

TPA 3077C Scene Painting and 3 hrs

TPA 2600 Stage Management Basics and 3 hrs

TPA 3601 Stage Management and 3 hrs

TPA 4066C Advanced Scenography and 3 hrs

TPP 4940L Theatre Internship and 6 hrs

Design Electives (see list of courses, choose three) 9 hrs

<sup>1</sup> This course is taken twice

**5. Restricted Electives**

■ (except where required for a specialization - see specializations for credit hours)

■ Choose from the following:

THE 4093L	Theatre Participation-Management II	1 hr
THE 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	3 hrs
TPA 4061C	Scenic Design for Theatre II	3 hrs
TPA 3040C	Costume Design for Theatre I	3 hrs
TPA 3221C	Lighting Design for Theatre I	3 hrs
TPA 3260C	Sound Design for Theatre I	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	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II	3 hrs
TPA 2600	Stage Management Basics	3 hrs
TPA 3601	Stage Management	3 hrs
TPA 4400	Theatre Management	3 hrs
TPA 4293L	Theatre Participation-Production II	1 hr
TPP 3197L	Summer Theatre/Performance	3 hrs
TPP 3952L	Summer Studio Performance	3 hrs
THE 4284	Period Costume, Architecture, and Decor I	3 hrs
THE 4285	Period Costume, Architecture, and Decor II	3 hrs
TPP 4143C	Acting Styles	3 hrs
ARH 2050	History of Western Art I	3 hrs
TPA 2248C	Makeup Techniques	2 hrs
<sup>1</sup> THE 2025	Introduction to Theatrical Design	3 hrs
<sup>1</sup> TPP 4311C	Advanced Directing for Theatre	3 hrs
TPP 4193L	Theatre Participation-Performance II	1 hr
TPP 4243C	Circus Arts	2 hrs
<sup>1</sup> THE 3905	Directed Independent Study	1 hr
<sup>1</sup> DAA 3905	Directed Study	1 hr
<sup>1</sup> THE 4912	Directed Independent Research	1 hr
<sup>1</sup> DAA 4912	Directed Independent Research	1 hr
THE 4423	Women in Theatre	3 hrs
THE 4543	Theatre for Social Change	3 hrs
THE 4212	Global Theatre	3 hrs
THE 3383	Taboo Theatre: Sex & Violence on Stage	3 hrs
THE 2250	Sex, Drugs, & the Rock and Roll Musical	3 hrs
Honors in the Major	Directed Readings and Thesis	3 hrs

<sup>1</sup> Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by the department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

### Design Electives

- (for Design and Technology Specialization)
- Select three
 

TPA 3060C	Scenic Design for Theatre I	3 hrs
TPA 3040C	Costume Design for Theatre I	3 hrs
TPA 3221C	Lighting Design for Theatre I	3 hrs
TPA 3260C	Sound Design for Theatre I	3 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- (variable)

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a "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, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 129

### Honors In Major

- None

### Related Programs

- Film
- Music
- Theatre Studies

### Certificates

- None

### Related Minors

- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

THE 2020 May use any introductory course, however, 3 hrs

THE 2081 is a required course taught in conjunction with THE 2020. You must take THE 2081 at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.

THE 2304 May use any introductory Theatre Play or 3 hrs

Script Analysis class. Script Analysis for Film cannot substitute.

TPA 2210 may be substituted with any introductory 3 hrs

Stagecraft Course. Lab will still need to be taken.

TPA 2201 may be substituted with any introductory 3 hrs

Stagecraft course.

<sup>1</sup> TPP 3310C Directing for Theatre I 3 hrs

may be substituted with: TPP 2300

<sup>1</sup> 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.oaas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oaas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

# UCF Degree Programs

## Theatre - Musical Theatre Track (B.F.A.)

### College of Arts and Humanities

Department of Theatre, UTC, Room: 180

<http://www.theatre.cah.ucf.edu/>

Earl Weaver, [eweaver@mail.ucf.edu](mailto:eweaver@mail.ucf.edu)  
407-823-2862

The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

#### Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at <http://www.theatre.ucf.edu>.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit <http://www.theatre.ucf.edu> for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.
- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at <http://www.theatre.ucf.edu>.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
Required THE 2020 Survey of Theatre for Majors	3 hrs
Select one course from 1.B.1 list	3 hrs
Select one course from 1.B.1 or 1.B.2 list	3 hrs
<b>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
<sup>1</sup> Prefer MGF 1106 Finite Mathematics	3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> (May substitute a higher math)

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<b>2. Common Program Prerequisites (CPP)</b>	<b>(20 hrs)</b>

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

<sup>1</sup> THE 2020 Survey of Theatre for Majors	GEP
<sup>1</sup> THE 2304 Script Analysis	3 hrs
THE 2090L Theatre Participation-Management I	1 hr
TPA 2290L Theatre Participation-Production I	1 hr
<sup>1</sup> TPA 2201 Technical Theatre Production	2 hrs
TPA 2201L Technical Theatre Production Lab	1 hr
<sup>1</sup> 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, TPP, TPA prefix)	3 hrs

<sup>1</sup> \*See Transfer Notes for possible substitutes.

<b>3. Core Requirements: Basic Level</b>	<b>(20 hrs)</b>
MUT 1121 Music Theory and Musicianship I	4 hrs
MUT 1122 Music Theory and Musicianship II	4 hrs
DAA 2200C Ballet I	2 hrs
DAA 2201C Ballet II	2 hrs
DAA 2570C Jazz Dance I	2 hrs
DAA 2571C Jazz Dance II	2 hrs
DAA 2520C Tap Dance I	2 hrs
TPA 2248C Makeup Techniques	2 hrs
THE 2081C Introduction to UCF Theatre	0 hrs

## 4. Core Requirements: Advanced Level (50 hrs)

TPP 3172C	Acting III - Building the Character	3 hrs
TPP 4140C	Acting IV - Creating the Role	3 hrs
TPP 3250	Musical Theatre Acting I	3 hrs
TPP 3252	Musical Theatre Acting II	3 hrs
THE 4244	Musical Theatre History I	3 hrs
THE 4245	Musical Theatre History II	3 hrs
THE 3311	Theatre History and Dramatic Literature I	3 hrs
THE 3312	Theatre History and Dramatic Literature II	3 hrs
TPP 3257C	Musical Theatre Voice I	2 hrs
TPP 3258C	Musical Theatre Voice II	2 hrs
TPP 4259C	Musical Theatre Voice III	2 hrs
TPP 4923C	Musical Theatre Voice IV	2 hrs
<sup>1</sup> TPP 4746C	Musical Theatre Repertoire	2 hrs
TPP 4940L	Theatre Internship	6 hrs
TPP 4253C	Musical Theatre Acting III	3 hrs
TPP 4223C	Theatre Careers for Performance	3 hrs
THE 4954	Theatre Exit Critique	0 hrs

### Select 1: 2 hrs

- (1 credit course, must be taken twice)
- TPA 4293L Theatre Participation-Production II or 1 hr
- THE 4093L Theatre Participation-Management II or 1 hr
- TPP 4193L Theatre Participation-Performance II 1 hr

<sup>1</sup> (2 hr class must be taken twice)

### Movement Electives 2 hrs

- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

### Select 1: 2 hrs

TPP 4531C	Period Movement or	2 hrs
TPP 4512C	Stage Combat	2 hrs

## 5. Restricted Electives (1 hr)

■ Chosen from the following		
DAN 3134	Dance History I	3 hrs
DAA 3612	Dance Improvisation/Composition I	3 hrs
DAA 2100C	Modern Dance I	2 hrs
DAA 3684	Dance Performance	1 hr
DAA 2521C	Tap Dance II	2 hrs
DAA 3524C	Tap Dance III	2 hrs
DAA 3208C	Ballet III	2 hrs
DAA 2101C	Modern Dance II	2 hrs
DAA 3108C	Modern Dance III	2 hrs
DAA 2393C	World Dance	2 hrs
DAA 3645	Choreography Practicum	2 hrs
TPP 4730C	Dialects	2 hrs
TPP 4142C	Acting Verse	3 hrs
TPP 4265C	Camera Acting	3 hrs
TPP 4268C	Acting VII Advanced Acting For TV/Film	3 hrs
THE 4230	Cultural Diversity in Theater	3 hrs
<sup>1</sup> THE 5307	Contemporary Theatre Practice	3 hrs
TPA 3195L	Summer Theatre Studio/Tech/Design I	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II	3 hrs
TPP 3197L	Summer Theatre/Performance	3 hrs
TPP 3952L	Summer Studio Performance	3 hrs
TPP 4143C	Acting Styles	3 hrs
<sup>1</sup> 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
<sup>1</sup> TPP 4311C	Advanced Directing for Theatre	3 hrs
THE 4093L	Theatre Participation-Management II	1 hr
TPA 4293L	Theatre Participation-Production II	1 hr
TPP 4193L	Theatre Participation-Performance II	1 hr
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 2250	Sex, Drugs, & the Rock and Roll Musical	3 hrs
Honors in the Major	Directed Readings and Thesis	3-6 hrs
THE 4912	Undergraduate Research (see #1 footnote)	3-6 hrs
THE 3905	Independent Study (see #1 footnote)	1-9 hrs

<sup>1</sup> \*Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

## 8. Electives

- (variable)

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a "B" Theatre GPA (3.0) or better
- Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1060C or a computer science course.

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 129

### Honors In Major

- None

### Related Programs

- 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:

<sup>1</sup> THE 2020 Survey of Theatre for Majors 3 hrs  
may be substituted with:

# UCF Degree Programs

THE 2304	Script Analysis	3 hrs
may be substituted with: THE 2303		
TPA 2201	Technical Theatre Production	2 hrs
may be substituted with: TPA 2210		
TPA 2201	Technical Theatre Production	2 hrs
may be substituted with: TPA 2200		
TPP 3310C	Directing for Theatre I	3 hrs
may be substituted with: TPP 2300		

<sup>1</sup> 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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Theatre Studies (B.A.)

### College of Arts and Humanities

### Department of Theatre, University Tech Center,

### Room: 180

<http://www.theatre.cah.ucf.edu/>

**E-mail:** [jwshafer@mail.ucf.edu](mailto:jwshafer@mail.ucf.edu)

John Shafer  
407-823-2862

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

## Admission Requirements

- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit <http://www.theatre.ucf.edu>.

- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.

- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

## Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program. Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.

- All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.

- All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives

- Students must follow the most recent department student handbooks which are available on the department website at <http://www.theatre.ucf.edu>.

- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.

- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

<b>1. UCF General Education Program (GEP)</b>	<b>(36 hrs)</b>
<b>A: Communication Foundations</b>	<b>(9 hrs)</b>
<b>B: Cultural &amp; Historical Foundations</b>	<b>(9 hrs)</b>
Required THE 2020 Survey of Theatre for Majors	3 hrs
Select one course from 1.B.1 list	3 hrs
Select one course from 1.B.2 list	3 hrs

<b>C: Mathematical Foundations</b>	<b>(6 hrs)</b>
<sup>1</sup> Prefer MGF 1106 Finite Mathematics	3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel	3 hrs

<sup>1</sup> may substitute a higher level math

<b>D: Social Foundations</b>	<b>(6 hrs)</b>
<b>E: Science Foundations</b>	<b>(6 hrs)</b>
<b>2. Common Program Prerequisites (CPP)</b>	<b>(20 hrs)</b>
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.	

<sup>1</sup> THE 2020	Survey of Theatre for Majors	3 hrs
THE 2304	Script Analysis	3 hrs
THE 2090L	Theatre Participation-Management I	1 hr
TPA 2290L	Theatre Participation-Production I	1 hr
<sup>1</sup> TPA 2201	Technical Theatre Production	2 hrs
TPA 2201L	Technical Theatre Production Lab	1 hr
<sup>1</sup> TPP 3310C	Directing for Theatre I	3 hrs
TPP 2700C	Stage Speech/Voice	3 hrs
<sup>1</sup> TPP 2101	Fundamentals of Acting	3 hrs
Theatre Elective (THE, TPP, TPA Prefix)		3 hrs

<sup>1</sup> See Transfer Notes for possible substitutes

## 3. Core Requirements: Basic Level

- None

<b>4. Core Requirements: Advanced Level</b>	<b>(10 hrs)</b>	
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

<b>Select 1:</b>	<b>1 hr</b>	
TPA 4293L	Theatre Participation-Production II or	1 hr
THE 4093L	Theatre Participation-Management II or	1 hr
TPP 4193L	Theatre Participation-Performance II	1 hr

## 5. Restricted Electives (16 hrs)

- Select 16 hours from the following:
- |                        |                                     |       |
|------------------------|-------------------------------------|-------|
| THE 4230               | Cultural Diversity in Theater       | 3 hrs |
| THE 3082               | Theatre Careers                     | 3 hrs |
| TPP 4143C              | Acting Styles                       | 3 hrs |
| TPP 3264C              | Acting on Camera                    | 3 hrs |
| THE 2025               | Introduction to Theatrical Design   | 3 hrs |
| THE 3240               | Musical Theatre Survey              | 3 hrs |
| <sup>1</sup> THE 4093L | Theatre Participation-Management II | 1 hr  |
| <sup>1</sup> TPA 4293L | Theatre Participation-Production II | 1 hr  |



<sup>1</sup> TPP 4193L	Theatre Participation-Performance II	1 hr
<sup>1</sup> THE 5307	Contemporary Theatre Practice	3 hrs
<sup>1</sup> TPA 2248C	Makeup Techniques	2 hrs
THE 4284	Period Costume, Architecture, and Decor I	3 hrs
THE 4285	Period Costume, Architecture, and Decor II	3 hrs
TPA 3195L	Summer Theatre Studio/Tech/Design I	3 hrs
TPA 3197L	Summer Theatre Studio/Tech/Design II	3 hrs
<sup>1</sup> TPA 2600	Stage Management Basics	3 hrs
TPA 4400	Theatre Management	3 hrs
TPP 3103	Intermediate Acting	3 hrs
TPP 3197L	Summer Theatre/Performance	3 hrs
TPP 3952L	Summer Studio Performance	3 hrs
<sup>1</sup> TPP 4311C	Advanced Directing for Theatre	3 hrs
TPA 3601	Stage Management	3 hrs
TPP 4243C	Circus Arts	2 hrs
THE 4912	Directed Independent Research	1 hr
TPP 4512C	Stage Combat	2 hrs
THE 4423	Women in Theatre	3 hrs
THE 4543	Theatre for Social Change	3 hrs
THE 4212	Global Theatre	3 hrs
THE 3383	Taboo Theatre: Sex & Violence on Stage	3 hrs
THE 2250	Sex, Drugs, & the Rock and Roll Musical	3 hrs
Any DAA or DAN courses taught by the theatre department with departmental approval		2 hrs
Honors in the Major Directed Readings and Thesis (see #1 footnote)		3 hrs

<sup>1</sup> Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

### Admissions

- Met by graduation requirement

### Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

## 8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

## 9. Additional Requirements

- None

## 10. Required Minors

■ Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department's Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

## 11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each Theatre course.
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.
- Computer Competency met by the following or Computer Science Course:

STA 1060C	Basic Statistics Using Microsoft Excel	3 hrs
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## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Film
- Music
- Theatre

### Certificates

- None

### Related Minors

- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance

### Advising Notes

- None

### Transfer Notes

■ Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.

■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

<sup>1</sup> THE 2020 Survey of Theatre for Majors 3 hrs

may be substituted with:

THE 2304 Script Analysis 3 hrs

may be substituted with: THE 2300

THE 2304 Script Analysis 3 hrs

may be substituted with: THE 3305

TPA 2201 Technical Theatre Production 2 hrs

may be substituted with: TPA 2210

TPA 2201 Technical Theatre Production 2 hrs

may be substituted with: TPA 2200

TPP 3310C Directing for Theatre I 3 hrs

may be substituted with: TPP 2300

<sup>2</sup> TPP 2101 Fundamentals of Acting 3 hrs

may be substituted with:

<sup>1</sup> may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.

<sup>2</sup> may use any introductory acting course

### Plan of Study

- None

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeads.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

# MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student's baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the online "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

## Minors

Accounting  
Actuarial Science  
Aerospace Studies  
African American Studies  
Aging Studies  
American Studies  
Anthropology  
Anthropology in Multicultural Studies  
Art - Studio  
Art History  
Asian Studies  
Astronomy  
Bioengineering  
Biology  
Biomedical Sciences  
Business  
Chemistry  
Coaching  
Cognitive Sciences  
Communication Sciences and Disorders  
Community Arts - PAVE  
Computer Science  
Crime, Law, and Deviance  
Criminal Justice  
Dance  
Digital Media  
Diversity and Social Inequality  
Early Childhood  
Development and Education  
Economic Policy  
Economics  
Education  
Emergency Management  
and Homeland Security  
Energy and Sustainability  
Engineering Leadership  
English - Creative Writing  
English - Linguistics  
English - Literature  
English - Technical Communication  
English Language Arts Education  
Entrepreneurship  
Environmental Studies  
European Studies  
Exceptional Education  
Film - Cinema Studies  
Finance  
Fitness Training  
Foreign Language Education  
French  
German  
Health Informatics  
and Information Management  
Health Sciences  
Health Services Administration  
History  
Hospitality Management  
Humanities  
Information Technology  
Intelligent Robotic Systems  
Interdisciplinary Informatics Technology  
International and Global Studies  
International Business  
International Engineering  
Interpersonal/Organizational Communication  
Italian  
Journalism Studies  
Judaic Studies  
Latin American Area Studies

Leadership Studies  
Legal Studies  
Magazine Journalism  
Marketing  
Mass Communication  
Mass Culture and Collective Behavior  
Mathematics  
Mathematics Education  
Medical Anthropology  
Medical Sociology  
Medieval and Renaissance Studies  
Middle Eastern Studies  
Military Science  
Music  
Nonprofit Management/American Humanics  
National Certification Program  
North American Indian Studies  
Performing Arts Administration  
Philosophy  
Philosophy, Religion and Popular Culture  
Physics  
Political Science  
Political Science/Prelaw  
Psychology  
Public Administration  
Real Estate  
Recreation  
Religious Studies  
Science Education  
Secure Computing and Networks  
Social Science Education  
Sociology  
Spanish  
Sport Business Management  
Statistics  
Technical Education and Industry Training  
Technological Entrepreneurship  
Theatre  
Urban and Regional Planning  
Women's Studies  
World Comparative Studies  
Writing and Rhetoric

## 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  
Military Science Certificate  
Nonprofit Management Certificate  
Public and Professional Writing Certificate  
Real Estate: Mortgage Brokerage  
Certificate  
Real Estate: Real Estate Appraisal  
Certificate  
Real Estate: Real Estate Brokerage  
Certificate  
Security Management Certificate  
Service-Learning Certificate  
Substitute Teaching Certificate  
Teaching English as a Foreign Language  
Certificate  
Translation and Interpretation Certificate  
Victim Advocacy Certificate  
Women's Studies Certificate

## Additional UCF Programs

### Study Abroad Programs:

Australia  
Austria  
Brazil  
The Bahamas  
China  
Costa Rica  
Czech Republic  
France  
Germany  
Honduras  
Ireland  
Italy  
Japan  
The Netherlands  
Peru  
Poland  
Russia  
Spain  
Sweden  
Taiwan  
United Kingdom

## Accounting - Minor

College of Business Administration

Kenneth G. Dixon School of Accounting,

Business Administration II, Room: 101

<http://web.bus.ucf.edu/academics/accounting/>

407-823-2184

For Business and Non-Business Majors.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

ACG 2021	Principles of Financial Accounting	3 hrs
ACG 2071	Principles of Managerial Accounting	3 hrs

### Select 1:

- May not be counted as an elective if selected as a required course.

ACG 3131	Intermediate Financial Accounting I or	3 hrs
ACG 3361	Cost Accounting I	3 hrs

### Restricted Electives

#### Select 4:

- At least two courses must have either an ACG or TAX prefix

ACG 3131	Intermediate Financial Accounting I	3 hrs
ACG 3361	Cost Accounting I	3 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs
ACG 3501	Financial Accounting for Governmental and Nonprofit Organizations	3 hrs

ACG 4401C	Accounting Information Systems	3 hrs
ACG 4651	Auditing	3 hrs
TAX 4001	Taxation of Business Entities and Transactions	3 hrs

FIN 3414	Intermediate Corporate Finance	3 hrs
FIN 4453	Financial Models	3 hrs
ISM 3253	MIS Techniques	4 hrs
ISM 4212C	Database Design and Implementation	4 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.

- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- At least nine hours used in the minor must be earned at UCF within the department.

- No credit by exam (TSD, Military credit) may be used.

- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

## Actuarial Science - Minor

College of Sciences

Department of Statistics, Computer Center II,

Room: 212

<http://statistics.cos.ucf.edu/>

Dr. David Nickerson, nickersn@mail.ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have

completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

### Minor Admission Requirements

- Students need to complete the prerequisite courses.

### Minor Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.

- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

- Students are expected to have completed some of the following courses as part of their GEP requirement.

ECO 2013	Principles of Macroeconomics	3 hrs
MAC 2311	Calculus with Analytic Geometry I	4 hrs
MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
STA 2023	Statistical Methods I	3 hrs
STA 4163	Statistical Methods II	3 hrs
STA 4164	Statistical Methods III	3 hrs
STA 4321	Statistical Theory I	3 hrs
STA 4322	Statistical Theory II	3 hrs

### Required Courses

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 4183	Theory of Interest	3 hrs
STA 4184	Introduction to Derivative Markets	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

- No Foreign Language is required.

### Total Semester Hours Required

- 25

### Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.

- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

- Any course substitutions must be approved by the program coordinator in advance of their being taken.

## Aerospace Studies - Minor

College of Engineering and Computer Science

Air Force ROTC, ROTC Trailer, Room: 103

Col. Michael J. Chandler

Phone: 407-823-1247

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

#### Required Courses

AFR 1101C	The Air Force Today I	1 hr
AFR 1111C	The Air Force Today II	1 hr
AFR 2130C	The Development of Air Power I	1 hr
AFR 2131C	The Development of Air Power II	1 hr
AFR 3220C	Air Force Leadership and Management I	3 hrs
AFR 3230C	Air Force Evaluation and Management II	3 hrs
AFR 4201C	National Security Affairs and Prep for Active Duty I	3 hrs
AFR 4210C	National Security Affairs and Prep for Active Duty II	3 hrs

## Minors

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 16

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

## African American Studies - Minor

### College of Arts and Humanities

#### Program in African American Studies, Colbourn Hall, Room: 411

<http://www.aas.cah.ucf.edu/>

J. Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student's major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

AFA 3104	The Black Intellectual Experience	3 hrs	(6 hrs)
AMH 3571	Black American History I	3 hrs	

### Restricted Electives

- Additional courses may be used only with the prior permission of the program Director.

AFA 3102	Black Perspectives: A Multidisciplinary Approach	3 hrs	(12 hrs)
AFA 2300	African American Music	3 hrs	
AFA 3955	Study Abroad in Eastern Caribbean	6 hrs	
AMH 3572	Black American History II	3 hrs	
AML 3614	Topics in African-American Literature	3 hrs	
AML 3615	Harlem, Haiti, and Havana	3 hrs	
ARH 3520	African Art	3 hrs	
INR 3253	International Politics of Africa	3 hrs	
FIL 3831	Black Cinema	3 hrs	
LAH 3470	History of the Caribbean	3 hrs	
LAS 4023	African Caribbean Experience	3 hrs	
LIT 3192	Caribbean Literature	3 hrs	
MUL 2016	Evolution of Jazz	3 hrs	
POS 4622	Politics and Civil Rights	3 hrs	
PUP 3314	Minorities in American Politics	3 hrs	
SOP 3724	Psychology of Prejudice	3 hrs	
SYD 3700	Race and Ethnicity	3 hrs	
AFA 4105	Documenting African American Heritage and Life	3 hrs	
AFH 3100	African History to 1870	3 hrs	
AFH 3200	African History Since 1870	3 hrs	
AFH 5806	The Historiography of Slavery in Africa	3 hrs	
AMH 3403	History of the South Since 1865	3 hrs	
ANT 3398	Black/Seminole Relations	3 hrs	
ANT 3319	Anthropology of Diaspora	3 hrs	
ANT 4340	Caribbean Cultures	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

**E-mail: [socialwk@mail.ucf.edu](mailto:socialwk@mail.ucf.edu)**

BSW Coordinator

Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

### Minor Admission Requirements

- None

### Minor Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

### Prerequisite Courses

- None

### Required Courses

GEY 3001	Gerontology: An Interdisciplinary Overview	3 hrs	(6 hrs)
■ Select One:			
HSA 4941	Internship	3 hrs	
PSY 3951	Undergraduate Field Work	3 hrs	
SYP 4941	Internship	3 hrs	
<sup>1</sup> SOW 4510	Field Education	9 hrs	
<sup>2</sup> SOW 4941	Internship	9 hrs	

<sup>1</sup> For full-time students

<sup>2</sup> For part-time students over two semesters

### Restricted Electives

- Students select FOUR additional courses from the following courses:

A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.

### College of Health and Public Affairs

HSA 4220	Long Term Patient Management	3 hrs
HSA 3222	Long Term Care and Administration	3 hrs
HSC 4564	Health Care Needs of the Elderly	3 hrs
PLA 4530	Legal Issues of the Elderly	3 hrs
SOW 4645	Social Services for the Elderly	3 hrs
NUR 4286	Gerontologic Nursing	3 hrs
SOW 3740	Social Work Practice with Loss & Life's Transitions	3 hrs

### Other Colleges

DEP 3464	Psychology of Aging	3 hrs
SYP 4730	Patterns of Aging in Society	3 hrs
<sup>1</sup> GEY 5007	Women and Healthy Aging	3 hrs
SYP 4732	Minority Aging	3 hrs

<sup>1</sup> Open to undergraduates with senior standing

### 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 less than "C" (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

**American Studies - Minor**

**College of Arts and Humanities**

**CAH Dean's Office, Room: 190**

<http://www.cah.ucf.edu>

Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292

Phone: 407-823-2251

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (9 hrs)**

Literature and Humanities 3 hrs

Select 1: 3 hrs

AML 3031 American Literature I or 3 hrs

AML 4101 American Novel or 3 hrs

AML 4261 Literature of the South or 3 hrs

AML 3682 Ethnic Literature in America 3 hrs

Social Sciences 3 hrs

Select 1: 3 hrs

POS 3413 The American Presidency or 3 hrs

POT 3204 American Political Thought or 3 hrs

SYD 3700 Race and Ethnicity or 3 hrs

SYP 3630 Popular Culture In Society 3 hrs

History 3 hrs

Select 1: 3 hrs

AMH 3561 Women in American History I or 3 hrs

AMH 4110 Colonial America, 1607-1763 or 3 hrs

AMH 4130 The Age of the American Revolution, 1763- 3 hrs

1789 or

AMH 4311 American Culture I or 3 hrs

AMH 4313 American Culture II 3 hrs

**Restricted Electives (12 hrs)**

- 12 additional upper level hours. Select courses not already used from lists above.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- 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.
- 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>

**E-mail: anthropology@ucf.edu**

Dr. Arlen Chase

Phone: 407-823-2227

The Anthropology minor develops a student's holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

**Minor Admission Requirements**

- The minor is not open to Anthropology majors.

**Minor Requirements**

- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.

- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

**Prerequisite Courses**

- Students must satisfy each course's prerequisites before enrolling in the class.

**Required Courses (3 hrs)**

ANT 2000 General Anthropology 3 hrs

**Restricted Electives (15 hrs)**

**A. Concentration in General Anthropology 15 hrs**

ANT 2140 Archaeology and the Rise of Human 3 hrs

Culture

ANT 2410 Cultural Anthropology 3 hrs

ANT 2511 The Human Species 3 hrs

**Complete at least two of the following courses; 6 hrs**

Select two upper level (3000-5000) courses in

Anthropology 6 hrs

**B. Concentration in Archaeology 15 hrs**

ANT 2140 Archaeology and the Rise of Human 3 hrs

Culture

**Complete at least four of the following courses; 12 hrs**

ANT 3106 Archaeology and Popular Culture or 3 hrs

ANT 3115 Archaeological Method and Theory or 3 hrs

ANT 3142 Old World Prehistory or 3 hrs

ANT 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 4144 Prehistory of North America or 3 hrs

ANT 4153 North American Archaeology or 3 hrs

ANT 4180C Seminar in Laboratory Analysis or 3 hrs

<sup>1</sup> ANT 4183 Archaeological Sciences or 3 hrs

<sup>1</sup> ANT 4184 Mortuary Archaeology or 3 hrs

ANT 4824 Advanced Archaeological Fieldwork or 9 hrs

ANG 5822 Maya Field Research or 3 hrs

ANG 5166 Problems in Maya Studies or 3 hrs

ANG 5167 Maya Hieroglyphs or 3 hrs

ANG 5228 Maya Iconography 3 hrs

<sup>1</sup> or its graduate equivalent.

**C. Concentration in Physical Anthropology 15 hrs**

ANT 2511 The Human Species 3 hrs

**Complete at least four of the following courses; 12 hrs**

ANT 3148 Life and Death in Ancient Egypt or 3 hrs

ANT 3541 Biobehavioral Anthropology or 3 hrs

ANT 3550 Primatology or 3 hrs

ANT 4183 Archaeological Sciences or 3 hrs

<sup>1</sup> ANT 4184 Mortuary Archaeology or 3 hrs

## Minors

ANT 4462	Medical Anthropology or	3 hrs
<sup>1</sup> ANT 4467	Nutritional Anthropology or	3 hrs
ANT 4516	Human Biological Diversity or	3 hrs
ANT 4521	Forensic Anthropology or	3 hrs
ANT 4525C	Human Osteology or	4 hrs
ANT 4528C	Advanced Forensic Anthropology or	5 hrs
ANT 4560	Anthropological Perspectives on Human Growth or	3 hrs
ANT 4586	Human Origins or	3 hrs
ANG 5742	Problems in Forensic Anthropology	3 hrs

<sup>1</sup> or its graduate equivalent.

### D. Concentration in Cultural Anthropology 15 hrs

ANT 2410	Cultural Anthropology	3 hrs
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### Complete at least four of the following courses; 12 hrs

ANT 3152	Indians of the Southwest or	3 hrs
ANT 3164	Ancient Incas or	3 hrs
ANT 3212	Peoples of the World or	3 hrs
ANT 3241	Magic, Ritual, and Belief or	3 hrs
ANT 3245	Native American Religions or	3 hrs
ANT 3262	Rural Society or	3 hrs
ANT 3273	Law and Culture or	3 hrs
ANT 3302	Sex, Gender and Culture or	3 hrs
ANT 3311	Indians of the Southeastern United States or	3 hrs
ANT 3312	Ethnology of North American Indians or	3 hrs
ANT 3313	Indians of North America High Plains or	3 hrs
ANT 3314	Indians of the Northeast Woodlands or	3 hrs
ANT 3318	Indians of the Northwest Coast or	3 hrs
ANT 3398	Black/Seminole Relations or	3 hrs
<sup>1</sup> ANT 4332	People and Cultures of Latin America or	3 hrs
<sup>1</sup> ANT 4303	Anthropology of Tourism or	3 hrs
ANT 3701	Applied Anthropology or	3 hrs
<sup>1</sup> ANT 4702	Culture, Power and Development or	3 hrs
ANT 4802	Ethnographic Field Methods or	3 hrs
ANT 3363	Anthropology of Japan or	3 hrs
<sup>1</sup> ANT 3610	Language and Culture or	3 hrs
<sup>1</sup> ANT 4340	Caribbean Cultures or	3 hrs
ANT 3319	Anthropology of Diaspora or	3 hrs
ANT 4034	History of Anthropological Thought or	3 hrs
ANT 4266	Economic Anthropology: Production, Consumption, and Exchange or	3 hrs
ANT 4308	Gender Issues in Latin America or	3 hrs
ANT 4352	African Societies and Cultures or	3 hrs
ANT 4354	Postcolonial Africa or	3 hrs
ANT 4408	Culture, Disease, and Healing or	3 hrs
ANG 5167	Maya Hieroglyphs or	3 hrs
ANG 5228	Maya Iconography or	3 hrs
ANG 5622	Language, Culture and Pedagogy	3 hrs

<sup>1</sup> or its graduate equivalent.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

## Anthropology in Multicultural Studies - Minor

### College of Sciences

Department of Anthropology, Howard Phillips Hall,  
Room: 309

<http://www.cos.ucf.edu/anthropology>

E-mail: [anthropology@ucf.edu](mailto:anthropology@ucf.edu)

Dr. Arlen Chase

Phone: 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

### Minor Admission Requirements

- None

### Minor Requirements

- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

### Required Courses (3 hrs)

Select 1:		3 hrs
ANT 2000	General Anthropology or	3 hrs
ANT 2410	Cultural Anthropology	3 hrs

### Restricted Electives (15 hrs)

- Select five of the following. Substitutions require prior consent of the

#### Anthropology Coordinator.

ANT 3164	Ancient Incas	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 3241	Magic, Ritual, and Belief	3 hrs
ANT 3245	Native American Religions	3 hrs
ANT 3302	Sex, Gender and Culture	3 hrs
ANT 3312	Ethnology of North American Indians	3 hrs
ANT 3398	Black/Seminole Relations	3 hrs
ANT 3319	Anthropology of Diaspora	3 hrs
ANT 3541	Biobehavioral Anthropology	3 hrs
ANT 3701	Applied Anthropology	3 hrs
ANT 4266	Economic Anthropology: Production, Consumption, and Exchange	3 hrs
ANT 4308	Gender Issues in Latin America	3 hrs
ANT 4516	Human Biological Diversity	3 hrs
SYD 3700	Race and Ethnicity	3 hrs
<sup>1</sup> ANT 4332	People and Cultures of Latin America	3 hrs
<sup>1</sup> ANT 3610	Language and Culture	3 hrs
<sup>1</sup> ANT 4340	Caribbean Cultures	3 hrs
<sup>1</sup> ANT 4303	Anthropology of Tourism	3 hrs
<sup>1</sup> ANT 4467	Nutritional Anthropology	3 hrs
<sup>1</sup> ANT 4702	Culture, Power and Development	3 hrs
ANT 4408	Culture, Disease, and Healing	3 hrs

<sup>1</sup> or its graduate equivalent.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

## Art - Studio - Minor

### College of Arts and Humanities

School of Visual Arts and Design, Visual Arts Building,

Room: 117

<http://www.svad.cah.ucf.edu/>

Donna Mercado, 407-823-6100

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (18 hrs)

ARH 2050	History of Western Art I	3 hrs
ARH 2051	History of Western Art II	3 hrs
ART 2201C	Design Fundamentals-Two Dimensional	3 hrs
ART 2203C	Design Fundamentals-Three Dimensional	3 hrs
ART 2300C	Drawing Fundamentals I	3 hrs
ART 2301C	Drawing Fundamentals II	3 hrs
ART 3950	Portfolio Review	0 hrs

### Restricted Electives (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 24

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses.

**Art History - Minor**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

<http://www.svad.cah.ucf.edu/>

Donna Mercado, 407-823-6100

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (18 hrs)**

ARH 2050	History of Western Art I	3 hrs
ARH 2051	History of Western Art II	3 hrs
ARH 4310	Italian Renaissance Art	3 hrs
ARH 4430	19th Century Art	3 hrs
ARH 4450	20th Century Art	3 hrs

**Non-Western Course Requirement 3 hrs**

**Select 1: 3 hrs**

ARH 3520	African Art 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

**6 Hours of electives 6 hrs**

- Two additional ARH 3XXX-4XXX courses

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 27

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**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
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**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

**Other Requirements**

- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

**Astronomy - Minor**

**College of Sciences**

**Department of Physics, Math and Physics, Room: 310**

**E-mail: physics@ucf.edu**

Dr. Humberto Campins

Phone: 407-823-2325

**Minor Admission Requirements**

- The minor is not open to Physics majors with an Astronomy specialization.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

**Prerequisite Courses**

- Students must satisfy each course's prerequisites before enrolling in the class.

**Required Courses (20 hrs)**

AST 2002	Astronomy	3 hrs
AST 2002L	Astronomy Lab	1 hr
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
AST 3110	Solar System Astronomy	3 hrs
AST 3211	Stellar Astrophysics	3 hrs
AST 3402	Galaxies and Cosmology	3 hrs
AST 3722C	Techniques of Observational Astronomy	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

## Minors

### Total Semester Hours Required

- 20

### Other Requirements

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Bioengineering - Minor

### College of Engineering and Computer Science Engineering, Room: 107

<http://www.cecs.ucf.edu/minors/bioengineering>

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778

Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.

### Minor Admission Requirements

■ Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school 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

PHY 2048C	Physics for Engineers & Scientists I	4 hrs	(35 hrs)
PHY 2049C	Physics for Engineers and Scientists II	4 hrs	
BSC 2010C	Biology I	4 hrs	
BSC 2011C	Biology II	4 hrs	
CHM 2045C	Chemistry Fundamentals I	4 hrs	
CHM 2046	Chemistry Fundamentals II	3 hrs	
CHM 2046L	Chemistry Fundamentals Laboratory	1 hr	
CHM 2210	Organic Chemistry I	3 hrs	
CHM 2211L	Organic Laboratory Techniques I	2 hrs	
CHM 2211	Organic Chemistry II	3 hrs	
EGR 4941	Internship	1 hr	

### Restricted Electives

- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

### Engineering Track

<b>Select 1:</b>		<b>3 hrs</b>
EMA 5584	Biomaterials or	3 hrs
EML 5760	Biofluid Mechanics or	3 hrs
EEE 5272	Biomedical Sensors or	3 hrs
EES 4111C	Biological Process Control or	3 hrs
EIN 5248C	Ergonomics	3 hrs

### Select 1:

CAP 5512	Evolutionary Computation or	3 hrs
BCH 4053	Biochemistry I or	3 hrs
BSC 3403C	Quantitative Biological Methods or	4 hrs
BSC 5418	Tissue Engineering or	3 hrs
MCB 3020C	General Microbiology or	5 hrs
PCB 3522	Molecular Biology I or	3 hrs
PCB 3703C	Human Physiology or	4 hrs

ZOO 3733C	Human Anatomy or	4 hrs
ZOO 3744	Neurobiology or	3 hrs
PCB 3063	Genetics	3 hrs

### Computer Science Track

<b>Select 1:</b>		<b>3 hrs</b>
CAP 5512	Evolutionary Computation or	3 hrs
COT 6417	Algorithms on Strings and Sequences	3 hrs

### Select 1:

BCH 4053	Biochemistry I or	3 hrs
BSC 3403C	Quantitative Biological Methods or	4 hrs
BSC 5418	Tissue Engineering or	3 hrs
MCB 3020C	General Microbiology or	5 hrs
PCB 3522	Molecular Biology I or	3 hrs
PCB 3703C	Human Physiology or	4 hrs
ZOO 3733C	Human Anatomy or	4 hrs
ZOO 3744	Neurobiology or	3 hrs
PCB 3063	Genetics	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 41

### Other Requirements

- Open only to engineering and computer science majors.
- A grade of "B" (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

## Biology - Minor

### College of Sciences

### Department of Biology, Biology, Room: 301

<http://www.cos.ucf.edu/biology>

**E-mail: biology@ucf.edu**

Frank Logiudice

Phone: 407-823-2141

### Minor Admission Requirements

■ The minor is not open to Biology or Biology Preprofessional majors.

### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

### Prerequisite Courses

■ Students must satisfy each course's prerequisites before enrolling in the class.

### Required Courses

<b>Required Courses</b>		<b>(31 hrs)</b>
BSC 2010C	Biology I	4 hrs
BSC 2011C	Biology II	4 hrs
CHM 2045C	Chemistry Fundamentals I	4 hrs
CHM 2046	Chemistry Fundamentals II	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
PCB 3023	Molecular Cell Biology	3 hrs
PCB 3044	Principles of Ecology	3 hrs
PCB 3063	Genetics	3 hrs
PCB 4683	Evolutionary Biology	4 hrs

### NOTE: These courses are considered as equivalent.

■ Prior to enrolling in CHM 2045C, take Chemistry Placement Test.

Instructions are at <http://chemplacement.sdes.ucf.edu>

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score

CHM 2045C	Chemistry Fundamentals I	4 hrs
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or - Students with little chemistry background should take this two semester equivalent instead.

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

### Restricted Electives

- None



**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 31

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Biomedical Sciences - Minor**

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health and**

**Public Affairs II, Room: 335**

<http://www.biomed.ucf.edu>

**E-mail: bcbsinfo@mail.ucf.edu**

Dr. P.E. Kolattukudy, Chair

Phone: 407-823-5932

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

	<b>(23 hrs)</b>
BSC 2010C	Biology I 4 hrs
MCB 3020C	General Microbiology 5 hrs
PCB 3233L	Immunology Laboratory 1 hr
PCB 3522	Molecular Biology I 3 hrs
PCB 4524	Molecular Biology II 3 hrs
BSC 3403C	Quantitative Biological Methods 4 hrs

**Select 1:**

PCB 3233	Immunology or	3 hrs
PCB 4239	Molecular Immunology	3 hrs

**Restricted Electives**

- (7 hrs)
- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 30

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**Business - Minor**

**College of Business Administration**

Undergraduate Student Services BA2, 101, 407-823-2184

Not available to Business majors.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

	<b>(18 hrs)</b>
BUL 3130	Legal and Ethical Environment of Business 4 hrs
FIN 2100	Personal Finance and Investments 3 hrs
MAN 3025	Management of Organizations 4 hrs
MAR 3023	Marketing 4 hrs

**Select 1:**

ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

**Chemistry - Minor**

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 117**

<http://www.cos.ucf.edu/chemistry>

**E-mail: chemistry@ucf.edu**

Dr. Pedro Patino, ppatino@mail.ucf.edu

**Minor Admission Requirements**

- The minor is not open to Chemistry majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department 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**

	<b>(20 hrs)</b>
CHM 2045C	Chemistry Fundamentals I 4 hrs
CHM 2046	Chemistry Fundamentals II 4 hrs
CHM 2046L	Chemistry Fundamentals Laboratory 1 hr
CHM 2210	Organic Chemistry I 3 hrs
CHM 2211	Organic Chemistry II 3 hrs
CHM 2211L	Organic Laboratory Techniques I 2 hrs
CHM 3120	Analytical Chemistry 3 hrs
CHM 3120L	Analytical Chemistry Laboratory 1 hr

**NOTE: These courses are considered to be equivalents:**

- A one semester course for students with high Chem Placement scores:

CHM 2045C	Chemistry Fundamentals I	4 hrs
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or - Students with little chemistry background should take 2 this semester equivalent instead.

CHM 2040	Chemistry Fundamentals IA and	3 hrs
CHM 2041	Chemistry Fundamentals IB	3 hrs

**Restricted Electives**

- (8 hrs)
- At least one course must be selected from group I and the remaining from group I and/or II

**Group I: Select at least one course**

BCH 4103L	Biochemical Methods	2 hrs
CHS 3530C	Forensic Analysis of Controlled Substances	4 hrs
CHM 3411L	Physical Chemistry Laboratory	2 hrs
CHM 3212L	Organic Laboratory Techniques II	2 hrs
CHM 4130	Advanced Analytical Laboratory Technique	3 hrs
CHM 5451C	Techniques in Polymer Science	3 hrs

## Minors

<b>Group II:</b>		
BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
CHS 4200	Concepts in Industrial Chemistry	3 hrs
CHS 4615	Environmental Chemistry	3 hrs
CHM 3410	Physical Chemistry I	4 hrs
CHM 3411	Physical Chemistry II	3 hrs
CHM 3422	Applied Physical Chemistry	3 hrs
CHM 4220	Organic Chemistry III	3 hrs
CHM 5225	Advanced Organic Chemistry	3 hrs
CHM 5235	Applied Molecular Spectroscopy	3 hrs
CHM 5450	Polymer Chemistry	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 28

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Coaching - Minor

### College of Education

#### Department of Child, Family and Community Sciences, Education Building, Room: 209

Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@mail.ucf.edu

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student's major program. This Minor is available for students in the 2001 Catalog Year and beyond.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

<sup>1</sup> ATR 2010C	Athletic Injuries: Mechanisms and Prevention	3 hrs	(15 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:

PEO 2624	Coaching Basketball or	3 hrs	3 hrs
PEO 3644	Coaching Football or	3 hrs	
PEO 3324	Coaching Volleyball	3 hrs	

<sup>1</sup> If the student has completed this course at a community college, it can be transferred into the program.

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- An overall GPA of 2.0 is required to satisfy the minor.
- No grades below "C-" (1.75) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No TSD or Military credit may be used.
- Internship or Independent Study credit cannot be used towards the minor.

## Cognitive Sciences - Minor

### College of Arts and Humanities

#### Department of Philosophy, Psychology Building,

#### Room: 220

<http://www.philosophy.cah.ucf.edu>

**E-mail: philosophy@mail.ucf.edu**

Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- Note: It is the student's responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

### Required Courses

(15 hrs)

- Foundation Courses

- Select from at least 4 subject areas.

### Neuroscience

PSB 3002	Physiological Psychology or	3 hrs	3 hrs
PSB 4240C	Neuropsychology or	4 hrs	
PSB 4422	Brainwaves and Behavior or	3 hrs	
ZOO 3744	Neurobiology	3 hrs	

### Philosophy

PHI 3320	Philosophy of Mind or	3 hrs	3 hrs
PHI 3323	Minds and Machines: Philosophy of Cognitive Science or	3 hrs	
PHI 3451	Philosophy of Psychology or	3 hrs	
PHI 4341	Ways of Knowing or	3 hrs	
PHI 4400	Philosophy of Science or	3 hrs	
PHI 4935	Topics in Philosophy of Mind	3 hrs	

### Psychology

EXP 3204C	Perception or	4 hrs	3 hrs
EXP 3604C	Cognitive Psychology or	4 hrs	
EXP 4507C	Advanced Human Memory and Cognition	3 hrs	

### Computer Science and Information Technology

CAP 4453	Robot Vision or	3 hrs	3 hrs
CAP 4630	Artificial Intelligence or	3 hrs	
EEL 3531	Information Theory or	3 hrs	
EEL 3552C	Analog and Digital Communication Fundamentals	4 hrs	

### Language and Linguistics

ANT 3610	Language and Culture or	3 hrs	3 hrs
LIN 3010	Principles of Linguistics or	3 hrs	
LIN 3716	Language Development or	3 hrs	
LIN 3717	Language Development: 9 - 18 Years or	3 hrs	
PHI 4221	Philosophy of Language or	3 hrs	
PSY 3703	Psychology of Language	3 hrs	

### Restricted Electives

(6 hrs)

### Select 2:

ANT 3541	Biobehavioral Anthropology or	3 hrs	6 hrs
ANT 3550	Primateology or	3 hrs	
ANT 3610	Language and Culture or	3 hrs	
ANT 4586	Human Origins or	3 hrs	
CAP 4630	Artificial Intelligence or	3 hrs	
CAP 5015	Multimedia Compression on the Internet or	3 hrs	
CAP 5415	Computer Vision or	3 hrs	
CAP 5512	Evolutionary Computation or	3 hrs	
COP 4520	Concepts of Parallel and Distributed Processing or	3 hrs	
EXP 3204C	Perception or	4 hrs	
LIN 4711	Language Analysis or	3 hrs	
LIN 4711L	Language Analysis Lab or	1 hr	

MAP 4103	Mathematical Modeling I or	3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 2108	Critical Thinking or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/Self or	3 hrs
PSY 3213C	Research Methods in Psychology or	5 hrs
PHI 4500	Metaphysics or	3 hrs
PSY 4025	The Psychology of Art	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- 18 hours must be taken at the upper division.
- No more than 12 credit hours may be used both toward credit for a major and the cognitive sciences minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

**Communication Sciences and Disorders - Minor**

**College of Health and Public Affairs**  
**Department of Communication Sciences and Disorders,**  
**Health and Public Affairs, Room: 101**  
<http://www.cohpa.ucf.edu/comdis/>  
**E-mail: [advising@mail.ucf.edu](mailto:advising@mail.ucf.edu)**  
 TBA

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (24 hrs)**

SPA 3471	Communication Disorders in Literature and Media	3 hrs
SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
LIN 3716	Language Development	3 hrs
LIN 3716L	Language Development Lab	2 hrs
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs
SPA 4032	Audiology	3 hrs
SPA 4400	Language Disorders Across the Life Span	3 hrs
SPA 4476	Speech Disorders Across the Lifespan	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 24

**Other Requirements**

- A minimum grade of "C-" (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**Community Arts - PAVE - Minor**

**College of Arts and Humanities**  
**School of Visual Arts and Design, Visual Arts Building,**  
**Room: 117**  
<http://www.svad.cah.ucf.edu/>  
 TBD

**Minor Admission Requirements**

- None

**Minor Requirements**

**Partners in Art in Visual Education (PAVE)**

- A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the department chair.

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

**Computer Science - Minor**

**College of Engineering and Computer Science**  
**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**  
<http://www.eecs.ucf.edu>  
 Dr. Mark Llewellyn, [markl@cs.ucf.edu](mailto:markl@cs.ucf.edu)  
 Phone: 407-823-3327

**Minor Admission Requirements**

- Not open to Computer Engineering, Computer Science or Information Technology majors.

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (19 hrs)**

COP 3223	Introduction to Programming with C	3 hrs
COP 3330	Object Oriented Programming	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	4 hrs
CDA 3103	Computer Logic and Organization	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
COT 3100C	Introduction to Discrete Structures or	3 hrs
MAD 2104	Foundations of Discrete Math	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.

## Minors

- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

### Crime, Law, and Deviance - Minor

#### College of Sciences

Department of Sociology, Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu>

Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

#### Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

#### Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

**Required Courses** (6 hrs)  
SYP 3520 Criminology 3 hrs

**Required: Complete one of the following:** 3 hrs  
SYG 2000 Introduction to Sociology or 3 hrs  
SYG 2010 Social Problems 3 hrs

**Restricted Electives** (12 hrs)

- Select four courses from the following:  
SYP 3510 Sociology of Deviant Behavior 3 hrs  
SYP 3511 Sociology of Murder 3 hrs  
SYP 3530 Juvenile Delinquency 3 hrs  
SYP 3540 Sociology of Law 3 hrs  
SYP 3562 Patterns of Domestic Violence in Society 3 hrs  
SYP 4514 Patterns of Violence in Society 3 hrs  
SYP 4521 Crime Victims in Society 3 hrs  
SYP 4536 Gangs and Society 3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

### Criminal Justice - Minor

#### College of Health and Public Affairs

Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311

E-mail: [cjadvice@mail.ucf.edu](mailto:cjadvice@mail.ucf.edu)

Mary Ann Eastep, 407-823-2603

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

**Required Courses** (6 hrs)  
CCJ 3024 Criminal Justice System 3 hrs  
CCJ 3014 Crime in America 3 hrs

**Restricted Electives** (12 hrs)

**Select 2:** 6 hrs  
CJL 3510 Prosecution and Adjudication or 3 hrs  
CJC 3010 Corrections and Penology or 3 hrs  
CJE 4014 Police and Society 3 hrs  
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, UTC, Room: 180

<http://www.theatre.ucf.edu>

Brian Vernon, bvernon@mail.ucf.edu, 407-823-2862

#### Minor Admission Requirements

- A successful audition - contact department for audition dates.

#### Minor Requirements

- None

#### Prerequisite Courses

- None

**Required Courses** (11 hrs)  
DAN 3134 Dance History I 3 hrs  
DAA 3612 Dance Improvisation/Composition I 3 hrs  
DAA 2100C Modern Dance I 2 hrs  
DAA 2200C Ballet I 2 hrs  
DAA 3684 Dance Performance 1 hr

**Restricted Electives** (7 hrs)

DAA 2570C Jazz Dance I 2 hrs  
DAA 2571C Jazz Dance II 2 hrs  
DAA 2520C Tap Dance I 2 hrs  
DAA 2521C Tap Dance II 2 hrs  
DAA 3524C Tap Dance III 2 hrs  
DAA 2201C Ballet II 2 hrs  
DAA 3208C Ballet III 2 hrs  
DAA 2101C Modern Dance II 2 hrs  
DAA 3108C Modern Dance III 2 hrs  
DAA 2393C World Dance 2 hrs  
DAA 3645 Choreography Practicum 2 hrs  
DAA 3684 Dance Performance 1 hr  
TPA 2290L Theatre Participation-Production I 1 hr

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.

- 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.

## Digital Media - Minor

College of Arts and Humanities  
School of Visual Arts and Design

<http://www.svad.cah.ucf.edu>

Phone: 407-823-6100

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

Required Courses	(13 hrs)
COP 2500C Concepts in Computer Science	4 hrs
DIG 2000 Introduction to Digital Media	3 hrs
DIG 3138C Digital Imagery	3 hrs
DIG 3716C Internet Interaction	3 hrs

### Restricted Electives (6 hrs)

- Select two courses:
- Or - any 3000 or 4000 level courses approved by the School of

#### Visual Arts and Design.

DIG 2485 Visual Language of the Moving Image	3 hrs
DIG 2821 Creative Digital Media Problem Solving	3 hrs
DIG 3253C Digital Media Audio	3 hrs
DIG 3286C Assembling Digital Media	3 hrs
DIG 3480C Computer as a Medium	3 hrs
DIG 3525 Digital Media Production I	3 hrs
DIG 3563 Information Management and Entrepreneurship	3 hrs
DIG 4324C Modeling for Realtime Systems II	3 hrs
DIG 4455 Interactive Performance II	3 hrs
DIG 4503 Rapid Application Web Development	3 hrs
DIG 4530C Media for e-Commerce	3 hrs
DIG 4630C Media Business Practices	3 hrs
DIG 4713 Game Design	3 hrs
DIG 4715C Game Production	3 hrs
DIG 4780C Modeling for Realtime Systems	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 19

### Other Requirements

- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a "B" (3.0) or better is required.
- 12 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.

## Diversity and Social Inequality - Minor

College of Sciences

Department of Sociology, Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu>

Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

### Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

### Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses	(6 hrs)
SYO 3530 Social Power and Inequality	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 four courses from the following:	
SYD 3410 Urban Society	3 hrs
SYD 3700 Race and Ethnicity	3 hrs
SYD 3800 Sex and Gender in Society	3 hrs
SYD 4810 Women in Contemporary Society	3 hrs
SYD 4813 Women, Law and Social Change	3 hrs
SYO 4100 Family Trends	3 hrs
SYO 4200 Religion in Society	3 hrs
SYP 4454 Global Inequality and Society	3 hrs
SYP 4732 Minority Aging	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

## Early Childhood Development and Education - Minor

College of Education

Department of Child, Family and Community Sciences,  
Education Building, Room: 209

<http://education.ucf.edu/ece/>

E-mail: [ece@mail.ucf.edu](mailto:ece@mail.ucf.edu)

Dr. Judy Levin, ED 122L, [jlevin@mail.ucf.edu](mailto:jlevin@mail.ucf.edu)

Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student's major program. This minor is available for students in the 2003 catalog year and beyond.

### Minor Admission Requirements

- Completion of the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post secondary institution, including completion of the CLAS requirement or alternatives.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

### Minor Requirements

- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.

## Minors

- At least 12 hours used in the minor must be earned at UCF.

### Prerequisite Courses

- None

### Required Courses

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

<b>Choose one:</b>		<b>(3 hrs)</b>
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 Economic Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

### Restricted Electives

<b>Select 4:</b>		<b>(12 hrs)</b>
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 3302	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)

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

ECO 2013	Principles of Macroeconomics	3 hrs
ECO 2023	Principles of Microeconomics	3 hrs

### Select 1:

ECO 3101	Intermediate Microeconomics or	3 hrs
ECO 3203	Intermediate Macroeconomics	3 hrs

### Restricted Electives

- 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.

## Education - Minor

### College of Education

#### School of Teaching, Learning, and Leadership,

#### Education Building, Room: 220B

<http://education.ucf.edu/>

Dr. W. Scott Wise, ED 220B, wwise@mail.ucf.edu

Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

		(15 hrs)
EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs

#### Restricted Electives

		(3 hrs)
Select one		
MAE 4634	Programs in Teaching of Mathematics	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs
LAE 4464	Survey of Adolescent Literature	3 hrs
SCE 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

#### Department of Public Administration, Health and Public Affairs II, Room: 238

E-mail: [pa/ba/bs@mail.ucf.edu](mailto:pa/ba/bs@mail.ucf.edu)

Dr. Naim Kapucu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of

dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

		(15 hrs)
PAD 4110	Intergovernmental Administration	3 hrs
PAD 4392	Emergency Management and Homeland Security	3 hrs
PAD 4712	Information Systems for Public Managers and Planners	3 hrs
PAD 4395	Disaster Response and Recovery	3 hrs
PAD 4390	Hazard Mitigation and Preparedness	3 hrs

#### Restricted Electives

		(3 hrs)
Select 1:		
DSC 4012	Terrorism 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.

#### Minor Admission Requirements

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

		(12 hrs)
IDS 3150	Foundations of Environmental Studies	3 hrs
EGN 4824	Energy and Society	3 hrs
IDS 4204C	Advanced Topics on Energy and Sustainability	3 hrs

#### Select 1:

GEB 4152	Technological Entrepreneurship or	3 hrs
<sup>1</sup> IDS 4949	Cooperative Education	0 hrs

<sup>1</sup> Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

## Minors

### Restricted Electives (6 hrs)

- Select any two elective courses from the following courses:

#### Energy Systems Design

EEL 4216	Fundamentals of Electric Power Systems	3 hrs
	<b>or</b>	
EML 4411	Mechanical Power Systems	3 hrs
EML 4454	Turbines for Sustainable Power	3 hrs
EML 4600	HVAC Systems Engineering	3 hrs
EML 4602	Applied HVAC Engineering	3 hrs

#### Water, Environment and Waste Management

ENV 3001	Introduction to Environmental Engineering	3 hrs
	<b>or</b>	
ENV 4120	Air Pollution Control	3 hrs
ENV 4341	Solid & Hazardous Waste Management	3 hrs
ENV 4561	Environmental Engineering Operations & Processes II	3 hrs

#### Business and Public Policy

ECP 3302	Economics and the Environment	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
REE 3614	Environmental Issues for Real Estate	3 hrs

#### Social and Ethical Dimensions

INR 4350	Global Environmental Politics	3 hrs
INR 4351	International Environmental Law	3 hrs
PAD 4351	Issues in Environmental Program Management	3 hrs
PHI 3640	Environmental Ethics	3 hrs
PLA 4554	Environmental Law	3 hrs
PUP 3203	Environmental Politics	3 hrs
PUP 4209	Urban Environmental Policy	3 hrs
SYD 4510	Environment and Society	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

## Engineering Leadership - Minor

### College of Engineering and Computer Science

#### Department of Industrial Engineering and Management Systems, Engineering II, Room: 312

<http://www.iems.ucf.edu>

Dr. Timothy Kolnour

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)

<b>Required Courses</b>		<b>18 hrs</b>
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/>

**E-mail: english@mail.ucf.edu**

Dr. Patrick Murphy, 407-823-5596

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

CRW 3013	Creative Writing for English Majors	3 hrs
CRW 3053	Theory & Practice of Creative Writing	3 hrs

#### Restricted Electives

(6 hrs)

<b>Select one course after completing CRW 3013</b>		
CRW 3120	Fiction Writing Workshop	3 hrs
CRW 3211	Creative Nonfiction Writing	3 hrs
CRW 3310	Poetry Writing Workshop	3 hrs
CRW 3610	Writing Scripts	3 hrs

#### Select one course

CRW 4122	Advanced Fiction Writing Workshop	3 hrs
CRW 4224	Advanced Nonfiction Workshop	3 hrs
CRW 4320	Advanced Poetry Writing Workshop	3 hrs
CRW 4616	Advanced Scriptwriting Workshop	3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

#### Restricted Upper Division Electives--select three courses

CRW 3311	Structure of Verse	3 hrs
CRW 4114	History of Prose Style	3 hrs
CRW 4724	The Florida Review	3 hrs
CRW 4014	The Writing Life	3 hrs
ENC 3310	Magazine Writing I	3 hrs
CRW 4722	Editing for Creative Writers	3 hrs
ENC 3311	Advanced Expository Writing	3 hrs
CRW 3950	Cypress Dome Editorship	3 hrs
CRW 6806C	Teaching Creative Writing	3 hrs
Any other CRW elective or Special Topics course		3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

#### Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.



## English - Linguistics - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.cah.ucf.edu/>

E-mail: [english@mail.ucf.edu](mailto:english@mail.ucf.edu)

Dr. Patrick Murphy, 407-823-5596

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

LIN 3010	Principles of Linguistics	(9 hrs)
LIN 4105	History of the English Language	3 hrs
LIN 4680	Modern English Grammar	3 hrs

### Restricted Electives

LIN 4643	Cross Cultural Communication	(9 hrs)
LIN 4660	Linguistics and Literature	3 hrs
LIN 4801	Language and Meaning	3 hrs
LIN 5137	Linguistics	3 hrs
ANT 3610	Language and Culture	3 hrs
PHI 4400	Philosophy of Science	3 hrs
PHI 4221	Philosophy of Language	3 hrs
SPA 3112	Basic Phonetics	3 hrs
Or any course approved by the Linguistics Committee		3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## English - Literature - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.cah.ucf.edu/>

E-mail: [english@mail.ucf.edu](mailto:english@mail.ucf.edu)

Dr. Patrick Murphy, 407-823-5596

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

<sup>1</sup> ENG 3014	Theories and Techniques of Literature Study	(3 hrs)
		3 hrs

<sup>1</sup> PR for all 4000 level AML, ENG, ENL, and LIT courses

### Restricted Electives

- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## English - Technical Communication - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

<http://english.cah.ucf.edu/>

E-mail: [english@mail.ucf.edu](mailto:english@mail.ucf.edu)

Dr. Patrick Murphy, 407-823-5596

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

ENC 4215	Technical Publication and Project Management	(18 hrs)
		3 hrs
ENC 4218	The Visual in Technical Documentation	3 hrs
ENC 4293	Documentation and the Collaborative Process	3 hrs
ENC 4294	Documentation and Client-Based Collaboration	3 hrs
ENC 4280	Technical Writing Style	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs

- Students completing the minor may intern with a Central Florida corporation

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## English Language Arts Education - Minor

College of Education

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

<http://education.ucf.edu/englished/>

Dr. Jeff Kaplan, ED 122B, [jkaplan@mail.ucf.edu](mailto:jkaplan@mail.ucf.edu)

Dr. Janet Andreasen, ED 123Q, [jandreas@mail.ucf.edu](mailto:jandreas@mail.ucf.edu), 407-823-5430

Phone: 407-823-2041

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

### Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

### Minor Requirements

- None

### Prerequisite Courses

- None

## Minors

### Required Courses (18 hrs)

■ A C- or better is required in these courses		
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
LAE 4360	English Instructional Analysis	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF

## Entrepreneurship: Business - Minor

### College of Business Administration

#### Department of Management, Business Administration I, Room: 309

<http://www.cei.ucf.edu>

Dr. Cameron Ford, [cford@bus.ucf.edu](mailto:cford@bus.ucf.edu)

Phone: 407-823-5569

The Entrepreneurship business minor offers students the opportunity to foster a strong business acumen that is essential to success in any career. The diverse classes available allow business undergraduates to explore the many career paths including self-employment/contracting, starting a company, working in small business, and leading corporate innovation and change initiatives.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (15 hrs)

GEB 4110	Business Plan Preparation	3 hrs
GEB 4111	New Venture Finance	3 hrs
MAN 3301	Management of Human Resources	3 hrs
MAN 4802	Entrepreneurship	3 hrs

### Select 1: 3 hrs

MAR 3391	Professional Selling or	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

- 18

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C: (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- At least nine hours used in the minor must be earned at UCF within the department.

- No credit by exam (TSD, Military credit) may be used.

- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

## Entrepreneurship: For Non-Business Majors - Minor

### College of Business Administration

#### Department of Management, Business Administration I, Room: 309

<http://web.bus.ucf.edu/>

All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (19 hrs)

#### Required Introductory Courses 10 hrs

GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
MAR 3023	Marketing	4 hrs

### Select 1: 3 hrs

GEB 3113	How to Start a Business or	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: 3 hrs

GEB 4152	Technological Entrepreneurship or	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>

E-mail: [is@mail.ucf.edu](mailto:is@mail.ucf.edu)

Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

■ Note: It is the student's responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

<b>Required Courses</b>	<b>(3 hrs)</b>
IDS 3150 Foundations of Environmental Studies	3 hrs

### Restricted Electives (18 hrs)

<b>Science &amp; Environmental Electives</b>	<b>9 hrs</b>
BOT 3152C Local Flora	3 hrs
BOT 4156C Florida Wildflowers	4 hrs
BOT 3802 Ethnobotany	3 hrs
BOT 4303C Plant Kingdom	5 hrs
BOT 4686C Conservation and Management of Native Plants	4 hrs
BOT 4713C Plant Taxonomy	5 hrs
BSC 4312C Marine Biology	4 hrs
OCE 3008 Oceanography	3 hrs
PCB 3044 Principles of Ecology	3 hrs
PCB 3442 Aquatic Ecology	3 hrs
PCB 4302C Physiochemical Limnology	4 hrs
PCB 4303C Biological Limnology	4 hrs
PCB 4683 Evolutionary Biology	4 hrs
CHM 3120 Analytical Chemistry	3 hrs
HSC 4500 Epidemiology	3 hrs
ENV 3001 Introduction to Environmental Engineering	3 hrs
ENV 4341 Solid & Hazardous Waste Management	3 hrs
PCB 3063 Genetics	3 hrs
PCB 3304C River Ecology	4 hrs
PCB 3314 Marine Bio Diversity	3 hrs
PCB 3044L Principles of Ecology Laboratory	1 hr

### Social & Humanities Electives 9 hrs

ECO 4701 Seminar in Global Economic Policy	3 hrs
INR 4351 International Environmental Law	3 hrs
PUP 3203 Environmental Politics	3 hrs
PUP 4503 Government and Science	3 hrs
PAD 4351 Issues in Environmental Program Management	3 hrs
PAD 3330 Urban and Regional Planning	3 hrs
PUP 4204 Sustainability	3 hrs
GEO 2370 Resources Geography	3 hrs
GIS 3043C GIS for Environmental Studies	3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies	4 hrs
GIS 4035C Remote Sensing of the Environment	3 hrs
PHI 3033 Philosophy, Religion, and the Environment	3 hrs
PHI 4400 Philosophy of Science	3 hrs
PHI 3640 Environmental Ethics	3 hrs
PHI 4633 Ethics and Biological Science	3 hrs
PHM 4031 Environmental Philosophy	3 hrs
PLA 4554 Environmental Law	3 hrs
<sup>1</sup> ECP 3302 Economics and the Environment	3 hrs
<sup>1</sup> ECP 4303 Environmental and Natural Resource Economics	3 hrs

<sup>1</sup> Only one of these two courses may be used to fulfill these restricted electives

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 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>

E-mail: [politics@mail.ucf.edu](mailto: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.

<b>Required Courses</b>	<b>(6 hrs)</b>
CPO 4101 Politics of the European Union	3 hrs
LIT 3082 Continental European Fiction Since 1900	3 hrs

### Restricted Electives (15 hrs)

- Any course substitutions are subject to prior approval by the director.

### Literature, Film, and Culture: 3 hrs

- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

### Select at least 3 credits from this grouping: 3 hrs

ENL 2022 English Literature II or	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
FRE 4500 French Civilization and Culture or	3 hrs
FRW 4281 20th Century French Novels or	3 hrs
FRW 4324 20th Century French Drama or	3 hrs
FRW 4532 French Romanticism or	3 hrs
FRW 4552 Nineteenth Century French Literature or	3 hrs
GER 3102 Germany - Past to Present or	3 hrs
GER 4520 Modern Germany or	3 hrs
GEW 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

## Minors

GEW 4482	German Children's Literature or	3 hrs
GEW 4531	The Age of Goethe and Schiller or	3 hrs
ITT 4956	Study Abroad: Modern and Contemporary Italian Culture or	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
MUL 3604	German Song Literature or	1 hr
MUL 3605	French Song Literature or	1 hr
SPW 3101	Survey of Spanish Literature II or	3 hrs
SPW 3370	Spanish Short Story or	3 hrs
SPW 4272	20th Century Spanish Novel or	3 hrs
SPW 4322	Contemporary Iberian Theatre or	3 hrs
SPW 4450	Spanish Literary Theory or	3 hrs
SPW 4460	Nineteenth Century Spanish Literature or	3 hrs
SPW 4720	The Generation of 1898	3 hrs

### History 6 hrs

<b>Select at least 6 credits from this grouping:</b> 6 hrs		
EUH 3235	Romanticism and Realism or	3 hrs
EUH 3242	Modern Europe and the First World War or	3 hrs
EUH 3281	Second World War and Rebirth of Europe or	3 hrs
EUH 3315	History of Modern Spain or	3 hrs
EUH 3411	Ancient Rome or	3 hrs
EUH 3431	History of Modern Italy or	3 hrs
EUH 3451	History of Modern France or	3 hrs
EUH 4284	Fascism and Nazism in the Interwar Europe or	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 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
GER 4510	Life and Culture in Nazi Germany or	3 hrs
JST 3701	History of the Holocaust	3 hrs

### Political Science or Economics 3 hrs

<b>Select at least 3 credits from this grouping:</b> 3 hrs		
CPO 3104	Politics of Western Europe or	3 hrs
CPO 3614	Politics of Eastern Europe or	3 hrs
CPO 4074	Political Economy or	3 hrs
CPO 4123	Government and Politics of Great Britain or	3 hrs
CPO 4445	Comparative Political Parties or	3 hrs
CPO 4643	Government and Politics of Russia or	3 hrs
ECO 3703	International Microeconomics or	3 hrs
INR 4035	International Political Economy	3 hrs

### Other 3 hrs

■ 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:

<b>Select at least 3 credits of courses from this grouping:</b> 3 hrs		
ARH 4430	19th Century Art or	3 hrs
ARH 4450	20th Century Art or	3 hrs
PHH 3510	Marx and Nietzsche or	3 hrs
PHP 3783	Modernity as a Philosophical Problem or	3 hrs
PHP 3786	Existentialism or	3 hrs
PHP 4782	Phenomenology	3 hrs

### Foreign Language Requirements

■ Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

### Total Semester Hours Required

■ 21

### Other Requirements

■ No credit by exam (military credit, TSD) may be used toward the minor.

## Exceptional Education - Minor

### College of Education

### Department of Child, Family and Community Sciences, Education Building, Room: 209

<http://www.education.ucf.edu>

Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu

Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598

Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student's major program.

### Minor Admission Requirements

■ None

### Minor Requirements

■ None

### Prerequisite Courses

■ None

### Required Courses

EEX 4601	Introduction to Behavior Management	3 hrs
EEX 4763	Technology for Classroom Teachers of Students with Special Needs	3 hrs
EEX 2090	Exceptional Populations in School and Society	3 hrs
EEX 4066	Curriculum, Theory and Instructional Strategies for Students with Special Needs	3 hrs

### Restricted Electives

■ Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

### Elementary Restricted Electives

EEX 4070	Teaching Exceptional Students	3 hrs
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### Select 1:

EEX 3241	Methods for Academic Skills for Exceptional Students or	3 hrs
EEX 3221	Assessment of Exceptional Students	3 hrs

### Secondary Restricted Electives

EEX 4242	Teaching Exceptional Students in Secondary Settings	3 hrs
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### Select 1:

EEX 3243	Techniques for Exceptional Adolescents-Adults or	3 hrs
EEX 3221	Assessment of Exceptional Students	3 hrs

### Foreign Language Requirements

■ None

### Total Semester Hours Required

■ 18

### Other Requirements

■ Sophomore standing or completion of an AA degree from a Florida public post secondary institution.

■ A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.

■ No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

■ Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.

**Film - Cinema Studies - Minor**  
**College of Arts and Humanities**  
**Department of Film, Nicholson School of**  
**Communication, Room: 121**  
<http://www.film.cah.ucf.edu/>  
**E-mail: film@mail.ucf.edu**  
 S. Schlow, 407-823-2845  
 Phone: 407-823-4285

**Minor Admission Requirements**

- Completion of a Minor Declaration form

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

FIL 2030	History of Motion Pictures	3 hrs
FIL 3006	Art of the Cinema	3 hrs
FIL 2423	Foundations of Production	3 hrs

**Select 1:**

FIL 1007	Foundations of Story or	3 hrs
FIL 1000	Cinema Survey	3 hrs

**Restricted Electives**

■ Choose Two		
FIL 3880C	Images of Women in Film	3 hrs
FIL 3051	Avant-Garde Cinema	3 hrs
FIL 3820	Italian Film	3 hrs
FIL 3845	World Cinema Traditions	3 hrs
FIL 3841	French New Wave Cinema	3 hrs
FIL 3824	Italian Neo-Realist Cinema	3 hrs
FIL 3822	French Film	3 hrs
FIL 3823	German Film	3 hrs
FIL 3831	Black Cinema	3 hrs
FIL 3826	American Cinema	3 hrs
FIL 3871	The American Film Artist	3 hrs
FIL 4647	Film Production Management	3 hrs
FIL 3847	Latin American Cinema	3 hrs
FIL 3363C	Film Documentary	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

**Finance - Minor**

**College of Business Administration**  
**Department of Finance, Business Administration I,**  
**Room: 409**

**Students seeking advising must go to BA 2 room 101.**

<http://web.bus.ucf.edu/academics/finance/>

Open to business and non-business students. Not available to finance majors.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

ACG 2021	Principles of Financial Accounting	(6 hrs)
ECO 2023	Principles of Microeconomics	3 hrs

**Required Courses**

FIN 2100	Personal Finance and Investments	3 hrs
FIN 3403C	Business Finance	4 hrs
FIN 3303	Financial Markets	3 hrs

**Restricted Electives**

<b>Select 3:</b>		<b>9 hrs</b>
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	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.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

**Fitness Training - Minor**

**College of Education**  
**Department of Child, Family and Community Sciences,**  
**Education Building, Room: 209**

Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@mail.ucf.edu  
 Phone: 352-536-2141

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

PET 4312C	Kinesiology/Biomechanics	(13 hrs)
PET 4550C	Assessment and Evaluation in Exercise Science	3 hrs
PET 4083	Personal Training Methods	3 hrs
<sup>1</sup> ZOO 3736C	Exercise Physiology Anatomy	4 hrs

<sup>1</sup> 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:**

PET 3361	Nutrition and Metabolism in Sport and Exercise Science or	(6 hrs)
PET 3771	Strength and Conditioning Concepts or	6 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

## Minors

### Foreign Language Requirements

- None
- Total Semester Hours Required
- 19

### Other Requirements

- No grades below "C-" (1.75) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

## Foreign Language Education - Minor

### College of Education

#### School of Teaching, Learning, and Leadership, Education Complex, Room: 220

<http://education.ucf.edu/language>

Dr. Karen Verkler, [kverkler@mail.ucf.edu](mailto:kverkler@mail.ucf.edu), 407-823-5235

The Foreign Language Education minor is intended for non-Foreign Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education.

Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

### Minor Admission Requirements

- Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

### Minor Requirements

- Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of "C" (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

### Prerequisite Courses

- None

### Required Courses

		(18 hrs)
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDG 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

## French - Minor

### College of Arts and Humanities

#### Department of Modern Languages and Literatures, Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu>

E-mail: [forlang@mail.ucf.edu](mailto:forlang@mail.ucf.edu)

Dr. Paul Giordano, 407-823-2472

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

- None

### Restricted Electives

(18 hrs)

- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

## German - Minor

### College of Arts and Humanities

#### Department of Modern Languages and Literatures, Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu>

E-mail: [forlang@mail.ucf.edu](mailto:forlang@mail.ucf.edu)

Dr. Paul Giordano, 407-823-2472

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

- None

### Restricted Electives

(18 hrs)

- Select six upper division courses in German, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

## Health Informatics and Information Management - Minor

**College of Health and Public Affairs**  
**Department of Health Management and Informatics,**  
**Health and Public Affairs II, Room: 210**

Alice Noblin, anoblin@mail.ucf.edu, 407-823-2353

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

Required Courses	(20 hrs)
HIM 3006 Foundations of Health Information Management (HIM)	3 hrs
HIM 4508C Quality Management	3 hrs
HIM 4656C Health Information Management Systems	3 hrs
HSC 3537 Medical Terminology	3 hrs
HIM 4226C Coding Procedures I	5 hrs
HIM 4256C Coding Procedures II	3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 20

### Other Requirements

- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

## Health Sciences - Minor

**College of Health and Public Affairs**  
**Department of Health Professions, Health and Public Affairs II, Room: 212**

L. Timothy Worrell, 407-823-2214

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

Required Courses	(9 hrs)
HSA 3111 U.S. Health Care Systems	3 hrs
HUN 2002 Modern Concepts in Nutrition	3 hrs
HSC 3110 Medical Self Assessment	3 hrs

### Restricted Electives (9 hrs)

- 9 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.

### 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**

**E-mail: hsainfo@mail.ucf.edu**

Dr. Reid Oetjen, 407-823-5668

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

Required Courses	(15 hrs)
HSA 3111 U.S. Health Care Systems	3 hrs
HSC 4201 Community Health	3 hrs
HSA 4180 Organization & Management for Health Agencies I	3 hrs
HSA 4191 Health Care Automation	3 hrs
HSC 4500 Epidemiology	3 hrs

### Restricted Electives (3 hrs)

- Additional prerequisite courses may be required

### Select 1: (3 hrs)

HSC 4652 Health Law and Ethics or	3 hrs
HSA 4109 Principles of Managed Care or	3 hrs
HIM 4508C Quality Management or	3 hrs
HSA 4702 Health Sciences Research Methods	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A 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://www.history.cah.ucf.edu/>

**E-mail: history@mail.ucf.edu**

Dr. Rosalind J. Belier, 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

- Any course taught within the History Department

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor's approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

## Minors

### Hospitality Management - Minor

**Rosen College of Hospitality Management**  
**Department of Hospitality Services,**  
**9907 Universal Boulevard, Orlando, FL 32819**  
<http://www.hospitality.ucf.edu>

**E-mail: [hospitality@mail.ucf.edu](mailto: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	3 hrs
HFT 3540	Guest Services Management I	3 hrs

#### Select 2: 6 hrs

HFT 2401	Hospitality Industry Financial Accounting or	3 hrs
HFT 3431	Hospitality industry Managerial Accounting	3 hrs

HFT 2500	Hospitality and Tourism Marketing or	3 hrs
HFT 2220	Hospitality Human Resources Management	3 hrs

HFT 3444	Hospitality Information Systems or	3 hrs
HFT 3603	Legal Environment in the Hospitality and Tourism Industry or	3 hrs

HFT 4464	Hospitality Industry Finance or	3 hrs
HFT 4286	Hospitality Communications	3 hrs

#### Select 2: 6 hrs

HFT 3700	Tourism Management or	3 hrs
HFT 3263	Restaurant Management or	3 hrs
HFT 3273	Principles of Resort Timesharing or	3 hrs
HFT 4755	Theme Park and Attraction Management or	3 hrs
HFT 2750	The Event Industry or	3 hrs
FSS 2221C	Techniques of Food Preparation or	4 hrs
HFT 2254	Lodging Operations or	3 hrs
HFT 4277	Yacht, Country, And City Club Management	3 hrs

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student's responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

### Humanities - Minor

**College of Arts and Humanities**  
**Department of Philosophy, Psychology Building,**  
**Room: 220**

<http://www.philosophy.cah.ucf.edu>

**E-mail: [philosophy@mail.ucf.edu](mailto:philosophy@mail.ucf.edu)**

TBA

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (21 hrs)

##### Humanities Foundations 6 hrs

##### Select 2: 6 hrs

HUM 3252	Contemporary Humanities or	3 hrs
HUM 3255	Modern Humanities or	3 hrs
HUM 3431	Ancient Humanities or	3 hrs
HUM 3435	Medieval Humanities	3 hrs

##### Humanistic/Religious Traditions 12 hrs

##### Select 2: 6 hrs

ANT 3245	Native American Religions or	3 hrs
HUM 3401	Asian Humanities or	3 hrs
HUM 3417	Hindu Thought and Culture or	3 hrs
HUM 3419	Islamic Thought and Culture or	3 hrs
HUM 3552	Christian Thought or	3 hrs
REL 3553	Moses, Jesus and Muhammad or	3 hrs
JST 3401	Jewish People in Antiquity or	3 hrs
PHH 3701	Native American Philosophy	3 hrs

##### Select 2: 6 hrs

HUM 4330	Performance Theory or	3 hrs
HUM 4554	Religious Quest and Human Dilemma or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
	<b>or</b>	
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3803	Philosophy and Creativity or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/Self or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
REL 3115	Religion, Spirituality, and Popular Music	3 hrs

##### Restricted Electives (3 hrs)

- Select one additional course from the above list or from the following:
- |          |                                    |       |
|----------|------------------------------------|-------|
| HUM 3320 | Contemporary Multicultural Studies | 3 hrs |
| HUM 4301 | The Classical Ideal                | 3 hrs |
| HUM 4303 | The Spiritual Ideal                | 3 hrs |
| PHI 4804 | Critical Theory                    | 3 hrs |
| PHI 3800 | Aesthetics                         | 3 hrs |
| PHI 3700 | Philosophy of Religion             | 3 hrs |
| CLT 3370 | Classical Mythology                | 3 hrs |
| CLT 3378 | Comparative Mythology              | 3 hrs |

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

#### Other Requirements

- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.



- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Information Technology - Minor

**College of Engineering and Computer Science**  
**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**

<http://www.eecs.ucf.edu>

Dr. Mark Llewellyn, Markl@cs.ucf.edu

Phone: 407-823-3327

#### Minor Admission Requirements

- Not open to Information Technology majors.

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (3 hrs)

- Select one of the following three options:

#### Option 1 7 hrs

- Not open to Computer Science Minors or Interdisciplinary Studies

#### Majors

COP 2500C Concepts in Computer Science 4 hrs

#### Select 1: 3 hrs

CGS 1060C Introduction to Computer Science or 3 hrs

CGS 2100C Computer Fundamentals for Business 3 hrs

#### Option 2 6 hrs

- Not open to Computer Science Minors or Interdisciplinary Studies

#### Majors

COP 3223 Introduction to Programming with C 3 hrs

COP 3502C Computer Science I 3 hrs

#### Option 3 3 hrs

- Computer Science Minors and Interdisciplinary Studies Majors Only

#### Select 1: 3 hrs

CGS 1060C Introduction to Computer Science or 3 hrs

CGS 2100C Computer Fundamentals for Business 3 hrs

#### Restricted Electives (9 hrs)

#### Select 1:

CGS 2545C Database Concepts or 3 hrs

CGS 2585C Desktop/Internet Publishing or 3 hrs

CGS 3175 Internet Applications or 3 hrs

CGS 3269 Computer Architecture Concepts or 3 hrs

CNT 3004 Computer Network Concepts or 3 hrs

CGS 3763 Operating System Concepts or 3 hrs

CIS 3003 Fundamentals of Information Technology 3 hrs

#### College Electives 3 hrs

Options 1 and 2 3 hrs

Option 3 6 hrs

Any upper division courses offered within Computer Science at UCF or additional courses chosen from restricted electives (exclusive of independent studies, internships, and those courses listed under required courses.) See other requirements.

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

### Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

**College of Engineering and Computer Science**  
**Engineering, Room: 107**

<http://www.cecs.ucf.edu>

Paul Edlen, paule@mail.ucf.edu, 407-823-2455

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (9 hrs)

EGN 3060C Introduction to Robotics 3 hrs

#### Select 2: 6 hrs

EEL 3657 Linear Control Systems or 3 hrs

EML 4312C Feedback Control or 3 hrs

EGN 3321 Engineering Analysis-Dynamics or 3 hrs

EML 3262 Kinematics of Mechanisms or 3 hrs

CAP 4453 Robot Vision or 3 hrs

CAP 4630 Artificial Intelligence 3 hrs

#### Restricted Electives (9 hrs)

#### Select 3: 9 hrs

EEL 4612 Introduction to Modern and Robust Control 3 hrs

or

EEL 4750 Digital Signal Processing Fundamentals or 3 hrs

EEL 5669 Autonomous Robotic Systems or 3 hrs

EEL 5173 Linear Systems Theory or 3 hrs

EEL 5630 Digital Control Systems or 3 hrs

EEL 5820 Image Processing or 3 hrs

EEL 5825 Pattern Recognition or 3 hrs

EML 5311 System Control or 3 hrs

CAP 5415 Computer Vision or 3 hrs

CAP 5512 Evolutionary Computation or 3 hrs

CAP 5610 Machine Learning or 3 hrs

EML 4804C Digital Control in Mechatronics or 3 hrs

EEL 5625 Applied Control Systems or 3 hrs

EML 5290 Introduction to MEMS and Micromachining or 3 hrs

EEL 5513 Digital Signal Processing Applications 3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
  - No credit by exam (TSD, Military credit) may be used.
  - Internship, Co-op, or Independent Study credit cannot be used toward the minor.
  - A high-level programming language class (like the following or it's equivalent) is required for the minor.
- |          |                                      |       |
|----------|--------------------------------------|-------|
| EGN 3211 | Engineering Analysis and Computation | 3 hrs |
| COP 3223 | Introduction to Programming with C   | 3 hrs |
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
- |           |                             |       |
|-----------|-----------------------------|-------|
| EGN 4412C | Interdisciplinary Design I  | 3 hrs |
| EGN 4413C | Interdisciplinary Design II | 3 hrs |

## Minors

### Interdisciplinary Informatics Technology - Minor College of Engineering and Computer Science Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346 <http://www.eecs.ucf.edu/I2Tech/>

Dr. Mark Llewellyn, markl@cs.ucf.edu  
Phone: 407-823-3327

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

Required Courses (18 hrs)

Required Courses 6 hrs  
CGS 3175 Internet Applications 3 hrs

Select 1: 3 hrs  
CGS 1060C Introduction to Computer Science or 3 hrs  
CGS 2100C Computer Fundamentals for Business or 3 hrs  
COP 3502C Computer Science I 3 hrs

Healthcare Informatics Concentration 9 hrs  
HIM 3006 Foundations of Health Information 3 hrs  
Management (HIM)  
HSA 4191 Health Care Automation 3 hrs

Select 1: 3 hrs  
CGS 4144 Introduction to Informatics or 3 hrs  
CIS 3003 Fundamentals of Information Technology 3 hrs

Technical Elective 3 hrs  
Students should consult with the program coordinator for a 3 hrs  
list of the approved technical electives.

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include basic computer skills.
- No credit by exam (TSD, Military credit) may be used.

### International and Global Studies - Minor College of Sciences

Department of Political Science, Howard Phillips Hall,  
Room: 302

<http://www.cos.ucf.edu/politicalscience>

E-mail: [politics@ucf.edu](mailto:politics@ucf.edu)

Dr. Waltraud Morales  
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state's internal characteristics impact that state's political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

#### Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:

- 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

- 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

#### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

#### Required Courses (6 hrs)

IDS 4315 Global Perspectives 3 hrs  
GEO 3471 World Political Geography 3 hrs

#### Restricted Electives (15 hrs)

##### A. Restricted Political Science Electives: 6 hrs

##### 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. Restricted Area Studies Electives: 6 hrs

- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies

- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

##### C. Restricted Electives: 3 hrs

- Substitutions require prior approval by the program advisor.

##### Select one course from this grouping: 3 hrs

CPO 3103 Comparative Politics or 3 hrs  
CPO 4062 Comparative Judicial Process or 3 hrs  
CPO 4074 Political Economy or 3 hrs  
CPO 4754 Comparative Political Institutions or 3 hrs  
CPO 4710 Women in Comparative Politics or 3 hrs  
CPO 4784 Political and Economic Inequality in 3 hrs  
Comparative Perspective or  
CPO 4445 Comparative Political Parties or 3 hrs  
DSC 4012 Terrorism or 3 hrs  
EUH 3651 War and Society or 3 hrs  
MMC 4300 International Media or 3 hrs  
SYP 4454 Global Inequality and Society or 3 hrs  
THE 3312 Theatre History and Dramatic Literature 3 hrs

Il or  
Three one credit Foreign Language across the Curriculum 3 hrs  
(FLAC) courses

#### Foreign Language Requirements

- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### Total Semester Hours Required

- 21

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## International Business - Minor

College of Business Administration

Department of Finance, Business Administration I,

Room: 409

<http://web.bus.ucf.edu>

Richard Ajayi, 407-823-5908

Minor for Business Majors

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

FIN 4604 International Financial Management (12 hrs) 3 hrs

### Select 1:

ECO 3703 International Microeconomics or 3 hrs

ECO 4713 International Macroeconomics 3 hrs

MAR 4156 International Marketing 3 hrs

MAN 4600 International Management 3 hrs

### Restricted Electives (6 hrs)

ECO 3703 International Microeconomics 3 hrs

ECO 4713 International Macroeconomics 3 hrs

ECO 4701 Seminar in Global Economic Policy 3 hrs

ECS 4013 Development Economics 3 hrs

GEO 3471 World Political Geography 3 hrs

INR 4035 International Political Economy 3 hrs

INR 4224 Contemporary International Politics of Asia 3 hrs

INR 4243 International Politics of Latin America 3 hrs

INR 4401 International Law I 3 hrs

MAR 4724 Strategic Foundations in Global E-Business 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

- Grades below "C" (2.0) or "S" from other institutions are not accepted.

- Courses taken at community colleges do not substitute for upper division courses.

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- At least nine hours used in the minor must be earned at UCF within the department.

- No credit by exam (TSD, Military credit) may be used.

- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

## International Engineering - Minor

College of Engineering and Computer Science

Engineering, Room: 107

<http://www.cecs.ucf.edu>

Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/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 where English is widely spoken.

- If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of the following two courses (or an equivalent(s) approved by the program coordinator):

IDS 3333 World Comparative Studies 3 hrs

GEO 3471 World Political Geography 3 hrs

#### Cultural Coursework 3 hrs

- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:

- Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available

- Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

#### Study Abroad Experience 9 hrs

- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student's major program.

- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student's home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

### Restricted Electives

- None

### Foreign Language Requirements

- See Language Skills Acquisition

### Total Semester Hours Required

- 18

## Minors

### Other Requirements

- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

## Interpersonal/Organizational Communication - Minor

### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

<http://communication.cos.ucf.edu>

Dr. Jim Kalt, [jkalt@mail.ucf.edu](mailto:jkalt@mail.ucf.edu)

Rebecca Morales, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu)

Phone: 407-823-2681

### Minor Admission Requirements

- Not open to Ad-PR, Interpersonal - Organizational Communication, Journalism, or Radio- TV majors.

### Minor Requirements

- None

### Prerequisite Courses

- Students must satisfy course prerequisites before enrolling.

Required Courses		(12 hrs)
COM 3011C	Communication and Human Relations	3 hrs
COM 3120	Organizational Communication	3 hrs
SPC 3301	Interpersonal Communication	3 hrs
COM 3311	Communication Research Methods	3 hrs

### Restricted Electives (9 hrs)

#### Select from the following courses:

COM 3013	Communication and the Family	3 hrs
COM 3110	Business and Professional Communication	3 hrs
COM 3406	Role of Motivation in Communication	3 hrs
COM 4014	Gender Issues in Communication	3 hrs
COM 4461	Intercultural Communication	3 hrs
COM 4462	Conflict Management	3 hrs
SPC 3513C	Argumentation and Debate	3 hrs
SPC 4331	Nonverbal Communication	3 hrs
SPC 4426	Group Dynamics	3 hrs
SPC 4540	Attitudes and Communication	3 hrs
Independent study or Special topics course if approved by the coordinator prior to enrolling in the class		3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward this minor with prior approval.

## Italian - Minor

### College of Arts and Humanities

**Department of Modern Languages and Literatures,**

**Colbourn Hall, Room: 523**

<http://ml.cah.ucf.edu>

**E-mail: [forlang@mail.ucf.edu](mailto:forlang@mail.ucf.edu)**

Dr. Paul Giordano, 407-823-2472

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

- None

### Restricted Electives

(18 hrs)

- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

## Journalism Studies - Minor

### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

<http://communication.cos.ucf.edu>

Dr. Steve Collins, Area Coordinator, [scollins@mail.ucf.edu](mailto:scollins@mail.ucf.edu)

Rebecca Morales, Academic Support, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu), 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

### Minor Admission Requirements

- Not open to Ad-PR, Journalism, or Radio-TV majors

### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a "C" (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

### Required Courses

JOU 3004	History of American Journalism	3 hrs
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### Restricted Electives

(15 hrs)

- Select at least 5 courses from the following:
- |          |                        |       |
|----------|------------------------|-------|
| JOU 3304 | Journalism Readings    | 3 hrs |
| JOU 3510 | Magazine Publishing    | 3 hrs |
| JOU 4700 | Journalism Ethics      | 3 hrs |
| MMC 2004 | Mass Media             | 3 hrs |
| MMC 3200 | Mass Communication Law | 3 hrs |
| MMC 4300 | International Media    | 3 hrs |
| VIC 3001 | Visual Communication   | 3 hrs |

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

## Judaic Studies - Minor

### College of Arts and Humanities

Program in Judaic Studies, Colbourn Hall, Room: 415

E-J

<http://www.judaicstudies.cah.ucf.edu/>

E-mail: [judaicst@mail.ucf.edu](mailto:judaicst@mail.ucf.edu)

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (8 hrs)

##### Required Courses (or proficiency) in Hebrew

HBR 1120	Elementary Modern Hebrew Language and Culture I	4 hrs
HBR 1121	Elementary Modern Hebrew Language and Culture II	4 hrs

#### Restricted Electives (18 hrs)

##### Jewish History

JST 3401	Jewish People in Antiquity	3 hrs
JST 3402	Wanderings: The Jewish People in Dispersion	3 hrs
JST 3415	American Jewish History	3 hrs
JST 3481	20th Century Jewish History and Thought	3 hrs
JST 3550	Introduction of Modernism into Judaism	3 hrs
JST 3701	History of the Holocaust	3 hrs

##### Bible

JST 3120	Hebrew Scriptures	3 hrs
JST 3125	The Book of Job	3 hrs
JST 3126	Romantic Love in the Bible	3 hrs
JST 3144	Dead Sea Scrolls	3 hrs
JST 3190	The Biblical Prophets	3 hrs

##### Literature

JST 3100	The Hebrew Creative Mind	3 hrs
JST 3312	Identity and Genre	3 hrs
JST 3751	Literature of the Holocaust	3 hrs

##### Jewish Civilization

JST 3005	Tenets of Judaism	3 hrs
JST 3121	Classic Texts of Judaism	3 hrs
JST 3210	Kabbalah: Jewish Mysticism	3 hrs
JST 3620	Contemporary Jewish Ethics and Morality	3 hrs

##### Culture

JST 3450	Modern Jewish Experience	3 hrs
JST 3810	The Jewish National Movement and Roots of Zionism	3 hrs
JST 3820	Modern Israeli Culture	3 hrs

##### Language

HBR 2200	Intermediate Modern Hebrew I	3 hrs
HBR 2201	Intermediate Modern Hebrew II	3 hrs
HBR 3250	Biblical Hebrew	3 hrs
HBR 3410	Conversational Israeli Hebrew	3 hrs

Other courses, including special topics, with the approval of the Director

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 26

#### 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.

## Latin American Area Studies - Minor

### College of Arts and Humanities

Colbourn Hall, Room: 406E & 406F

<http://las.cah.ucf.edu>

Dr. Jose Maunez-Cuadra, [jmaunez@mail.ucf.edu](mailto:jmaunez@mail.ucf.edu), 407-823-1173

Phone: 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

#### Minor Admission Requirements

- Admission by interview with the Program Director.

#### Minor Requirements

- Successful completion of the following courses, or demonstration of proficiency.

SPN 1120C	Elementary Spanish Language and Civilization I	4 hrs
SPN 1121C	Elementary Spanish Language and Civilization II	4 hrs

#### Prerequisite Courses

- None

#### Required Courses

- None

#### Restricted Electives (18 hrs)

- At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional groups. The remaining hours may be selected from any of the disciplinary groups. Additional courses not listed below may substitute with prior approval from the Program Director.

#### Anthropology

ANT 3164	Ancient Incas	3 hrs
ANT 3168	Maya Archaeology	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
ANT 4340	Caribbean Cultures	3 hrs
ANT 4308	Gender Issues in Latin America	3 hrs

#### History

ARH 4653	Meso American Art	3 hrs
ARH 3673	Modern Art of Mexico	3 hrs
ARH 3670	20th Century Latin American Art	3 hrs

#### Modern Languages and Literature

SPN 2200	Intermediate Spanish Language and Civilization I	3 hrs
FRW 3770	Francophone Literature	3 hrs
SPW 3130	Survey of Latin-American Literature I	3 hrs
SPW 3131	Survey of Latin-American Literature II	3 hrs
LIT 3192	Caribbean Literature	3 hrs
FRW 3752	French Caribbean Literature	3 hrs
SPW 4382	Central American Literature	3 hrs
AML 3615	Harlem, Haiti, and Havana	3 hrs
AML 4630	Latino/Latina Literature	3 hrs
SPN 3852	Bilinguismo	3 hrs
SPW 4730	Hispanic Literature of the United States	3 hrs
SPN 4780	Spanish Phonetics	3 hrs

#### History

LAH 3130	Latin American History I	3 hrs
LAH 3200	Modern Latin America	3 hrs
LAH 3400	History of Mexico and Central America	3 hrs
LAH 3470	History of the Caribbean	3 hrs
AMH 3586	History of the Hispanic Minorities in the U.S.	3 hrs

## Minors

### Latin American Studies

LAS 4906	Directed Independent Study	1 hr
LAS 4023	African Caribbean Experience	3 hrs

### Political Science

CPO 4303	Comparative Latin American Politics	3 hrs
INR 4243	International Politics of Latin America	3 hrs
CPO 5334	Contemporary Politics of the Mayan Region	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

## Leadership Studies - Minor

### Office of Undergraduate Studies

### Office of Interdisciplinary Studies, Classroom I, Room: 302

<http://www.is.ucf.edu>

E-mail: [is@mail.ucf.edu](mailto:is@mail.ucf.edu)

Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (19 hrs)

<b>Foundation Requirement</b>		4 hrs
LDR 2001	Foundations of Leadership	2 hrs
<sup>1</sup> LDR 2002	Intermediate Foundations of Leadership	2 hrs

<sup>1</sup> PR: LDR 2001

### Restricted Requirements 15 hrs

- Choose one course from each of the five areas:

### Communication 3 hrs

<sup>1</sup> COM 3011C	Communication and Human Relations or	3 hrs
<sup>2</sup> COM 3120	Organizational Communication or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
<sup>2</sup> COM 4462	Conflict Management or	3 hrs
<sup>3</sup> ENC 3250	Professional Writing or	3 hrs
<sup>4</sup> SPC 3445	Leadership Through Oral Communication	3 hrs

### Collaboration 3 hrs

<sup>5</sup> INP 3004C	Industrial/Organizational Psychology or	3 hrs
<sup>6</sup> INP 4313	Organizational Psychology or	3 hrs
<sup>7</sup> MAN 4240	Organizations: Theory and Behavior or	3 hrs
<sup>8</sup> MAN 3025	Management of Organizations or	4 hrs
<sup>2</sup> 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
<sup>9</sup> EXP 3304C	Motivation or	3 hrs
<sup>9</sup> SOP 3004C	Social Psychology or	3 hrs
<sup>9</sup> SOP 3723	Cross Cultural Psychology or	3 hrs
<sup>9</sup> SOP 3742	Psychology of Women or	3 hrs
<sup>9</sup> SOP 3784	Psychology of Diversity	3 hrs

### Politics 3 hrs

<sup>10</sup> PAD 3003	Public Administration in American Society	3 hrs
<b>or</b>		
PAD 4104	Administrative Theory or	3 hrs
<sup>11</sup> PAD 4144	Non-Profit Organizations or	3 hrs
<sup>12</sup> PAF 4754	Interdisciplinary Leadership in Public Affairs or	3 hrs
<sup>13</sup> POS 3413	The American Presidency or	3 hrs
POS 4206	Political Psychology or	3 hrs
<sup>14</sup> PUP 3325	Women and Political Behavior or	3 hrs
SYO 4300	Political Sociology	3 hrs

### Ethics 3 hrs

BUL 3130	Legal and Ethical Environment of Business	4 hrs
<b>or</b>		
EDF 3601	Professional Ethics in Education or	3 hrs
<sup>15</sup> PAD 3040	Ethics and Values in Public Administration	3 hrs
<b>or</b>		
PHI 2108	Critical Thinking or	3 hrs
<sup>16</sup> PHI 3638	Ethical Issues in the 21st Century or	3 hrs
<sup>17</sup> PHI 3640	Environmental Ethics	3 hrs

<sup>1</sup> PR: or CR: COM 3311

<sup>2</sup> PR: COM 3311

<sup>3</sup> PR: Grade or C or better required in ENG 1102; junior standing; 12 upper division hours in the student's major.

<sup>4</sup> PR: COM 3120 and COM 3311 or CI

<sup>5</sup> PR: PSY 212 or CI

<sup>6</sup> PR: INP 3004

<sup>7</sup> PR: Management major, MAN 3025

<sup>8</sup> PR: required for minor

<sup>9</sup> PR: PSY 2012

<sup>10</sup> PR: POS 2041

<sup>11</sup> PR: PAD 3003 or CI

<sup>12</sup> PR: ENC 1101 or CI

<sup>13</sup> PR: POS 2041 or CI

<sup>14</sup> PR: POS 2041 or CI. Offered every two years.

<sup>15</sup> PR: Junior standing or CI

<sup>16</sup> PR: PHI 2010 or CI

<sup>17</sup> PR: Junior standing

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 19

### Other Requirements

- Earn a grade of "C" (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

## Legal Studies - Minor

### College of Health and Public Affairs

### Department of Criminal Justice and Legal Studies,

### Health and Public Affairs I, Room: 343

<http://www.cohpa.ucf.edu/legalstudies/index.shtml>

E-mail: [legalstudies@mail.ucf.edu](mailto:legalstudies@mail.ucf.edu)

Dr. David Slaughter

Phone: 407-823-1670

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (3 hrs)

PLA 3014	Law and the Legal System	3 hrs
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**Restricted Electives** (18 hrs)  
**Restricted Upper Division Electives** 15 hrs  
 ■ 15 Semester hours of legal studies courses selected with the aid of an advisor

**Restricted Electives** 3 hrs  
 ■ 3 semester hours of law-related courses selected with the aid of an advisor

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A minimum grade of "C" (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

**Magazine Journalism - Minor**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

<http://communication.cos.ucf.edu>

**E-mail: Journalism@mail.ucf.edu**

Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu

Rebecca Morales, Academic Support, rmorales@mail.ucf.edu

Phone: 407-823-2681

**Minor Admission Requirements**

- Grammar proficiency requirement.
- A minimum UCF GPA of 3.3 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

**Prerequisite Courses**

- Students must satisfy each course's prerequisites before enrolling in the class.

**Required Courses** (9 hrs)

JOU 2100C	News Reporting	3 hrs
JOU 3510	Magazine Publishing	3 hrs
JOU 4224	Magazine Editing and Production	3 hrs

**Restricted Electives** (9 hrs)

Select three from the following choices:

ENC 3310	Magazine Writing I or	3 hrs
JOU 3201	Editing I or	3 hrs
JOU 3202	Editing II or	3 hrs
JOU 4300	Feature Writing or	3 hrs
JOU 4308	Freelance Writing or	3 hrs
JOU 4340C	On-line Journalism I	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

**Marketing - Minor**

**College of Business Administration**

**Department of Marketing, Business Administration II,**

**Room: 307S**

Open to Business and Non-Business Students

**Minor Admission Requirements**

- Not available to Marketing Majors

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses** (4 hrs)

MAR 3023	Marketing	4 hrs
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**Restricted Electives** (12 hrs)

■ Select four or five:

MAR 3323	Integrated Marketing Communication	3 hrs
MAR 3391	Professional Selling	3 hrs
MAR 3403	Sales Force Management	3 hrs
MAR 3503	Consumer Behavior	3 hrs
MAR 3613	Marketing Analysis and Research	3 hrs
MAR 3641	Marketing Intelligence	3 hrs
MAR 3721	Technology Applications in Marketing	3 hrs
MAR 4231	Retailing Management	3 hrs
MAR 4711	Sport Marketing	3 hrs
MAR 4712	Healthcare Marketing	3 hrs
MAR 4715	Entertainment Marketing	3 hrs
<sup>1</sup> MAR 4803	Marketing Management	3 hrs
<sup>1</sup> MAR 4804	Marketing Strategy	3 hrs
MAR 4841	Services Marketing	3 hrs
MAR 4934	Contemporary Marketing Topics in Florida	3 hrs
<sup>2</sup> MAR 4156	International Marketing	3 hrs
<sup>3</sup> MAR 4724	Strategic Foundations in Global E-Business	3 hrs

<sup>1</sup> Requires prerequisites in addition to MAR 3023

<sup>2</sup> or MAR 4724, not both

<sup>3</sup> or MAR 4156, not both

**Restricted Non-Marketing Elective**

- Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered--approval by petition to the Department.

ADV 3008	Principles of Advertising	3 hrs
ANT 3610	Language and Culture	3 hrs
COM 3011C	Communication and Human Relations	3 hrs
COM 3311	Communication Research Methods	3 hrs
COM 3120	Organizational Communication	3 hrs
COM 3110	Business and Professional Communication	3 hrs
ENC 3211	Theory and Practice of Technical Writing	3 hrs
EXP 3404C	Basic Learning Processes	3 hrs
HSA 3111	U.S. Health Care Systems	3 hrs
PHI 3803	Philosophy and Creativity	3 hrs
PPE 3003C	Personality Theory and Research	3 hrs
PSY 3213C	Research Methods in Psychology	5 hrs
RTV 3007	Development and Structure of Electronic Media and New Technology	3 hrs
SOP 3004C	Social Psychology	3 hrs
SPC 3301	Interpersonal Communication	3 hrs
SPC 4331	Nonverbal Communication	3 hrs
SPC 4426	Group Dynamics	3 hrs
STA 4102	Computer Processing of Statistical Data	3 hrs
SYA 4300C	Research Methods	4 hrs
MAN 4720	Strategic Management	4 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.

## Minors

- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used. Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

### Mass Communication - Minor

#### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

<http://communication.cos.ucf.edu>

Joan McCain, [jmccain@mail.ucf.edu](mailto:jmccain@mail.ucf.edu)

Rebecca Morales, Academic Support, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu)

Phone: 407-823-2681

#### Minor Admission Requirements

- Not open to Ad-PR, Journalism, or Radio-TV majors.

#### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

#### Required Courses

- None

#### Restricted Electives

(18 hrs)

Select at least 6 courses from the following:

18 hrs

ADV 3008	Principles of Advertising	3 hrs
COM 3330	Computer Mediated Communication	3 hrs
FIL 2030	History of Motion Pictures	3 hrs
FIL 3006	Art of the Cinema	3 hrs
JOU 3004	History of American Journalism	3 hrs
MMC 2004	Mass Media	3 hrs
MMC 3200	Mass Communication Law	3 hrs
MMC 3420	Mass Media Research Methods	3 hrs
MMC 4300	International Media	3 hrs
PUR 4000	Public Relations	3 hrs
RTV 3007	Development and Structure of Electronic Media and New Technology	3 hrs
RTV 3200	Production Fundamentals and Aesthetics of Electronic Media	3 hrs
RTV 4403	Electronic Media, Technology, and Society	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

### Mass Culture and Collective Behavior - Minor

#### College of Sciences

**Department of Sociology, Howard Phillips Hall, Room: 403**

<http://sociology.ucf.edu>

**E-mail: [sociology@ucf.edu](mailto:sociology@ucf.edu)**

Dr. Jay Corzine, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop

a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

#### Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

#### Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

#### Required Courses

(6 hrs)

SYP 4000 Sociological Social Psychology 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 four courses from the following:

SYA 4650C	Community Action and Involvement	3 hrs
SYO 4200	Religion in Society	3 hrs
SYO 3000	Contemporary 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.

### Mathematics - Minor

#### College of Sciences

**Department of Mathematics, Math and Physics, Room: 207**

<http://math.ucf.edu>

Dr. Joe Brennan, [jpbrenna@mail.ucf.edu](mailto:jpbrenna@mail.ucf.edu)

Phone: 407-823-5700

#### Minor Admission Requirements

- The minor is not open to Mathematics or Math Education majors.

#### Minor Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A maximum of six hours of the listed required or elective courses can count toward another major or minor degree.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

#### Required Courses

(15 hrs)

<sup>1</sup> MAC 2311	Calculus with Analytic Geometry I	4 hrs
<sup>2</sup> MAC 2312	Calculus with Analytic Geometry II	4 hrs
MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs



<sup>1</sup> This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives hours accordingly to earn the hours required in the minor

<sup>2</sup> This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives' hours accordingly to earn the hours required in the minor

### Restricted Electives (6 hrs)

■ The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

Select two from the following list of options:

- MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAD XXXX (any 3000, 4000, or 5000 level course)
- MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MTG XXXX (any 3000, 4000, or 5000 level course)
- Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

NOTE: The following course is NOT acceptable as a restricted elective.

MAP 3401 Problem Analysis 3 hrs

You may select either course if desired, but not both.

MAS 3105 Matrix and Linear Algebra or 4 hrs  
MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.

MAA 4226 Advanced Calculus I and 4 hrs  
MAA 4227 Advanced Calculus II 3 hrs

or  
MAA 5210 Topics in Advanced Calculus 3 hrs

### Foreign Language Requirements

■ None

### Total Semester Hours Required

■ 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.

## 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, jandreas@mail.ucf.edu

Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

### Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

### Minor Requirements

■ None

### Prerequisite Courses

■ None

### Required Courses (19 hrs)

■ A C- or better is required in these courses  
EDG 4410 Teaching Strategies and Classroom Management 3 hrs

EDF 4467 Learning Theory and Assessment 3 hrs  
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs  
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs  
MAE 4360 Mathematics Instructional Analysis 4 hrs  
MAE 4634 Programs in Teaching of Mathematics 3 hrs

### Restricted Electives

■ None

### Foreign Language Requirements

■ None

### Total Semester Hours Required

■ 19

### Other Requirements

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

## Medical Anthropology - Minor

### College of Sciences

Department of Anthropology, Howard Phillips Hall,  
Room: 309

<http://anthropology.cos.ucf.edu/>

E-mail: [anthro@mail.ucf.edu](mailto:anthro@mail.ucf.edu)

Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students' understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

### Minor Admission Requirements

- The minor is not open to Anthropology majors.

### Minor Requirements

- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

ANT 2000 General Anthropology 3 hrs

### Required Courses (12 hrs)

- Complete all of the following:
- ANT 2410 Cultural Anthropology 3 hrs
- ANT 2511 The Human Species 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- ANT 4408 Culture, Disease, and Healing 3 hrs

### Restricted Electives

#### Restricted Electives, Group A: 3 hrs

- Select one course from the list below:
- ANT 4560 Anthropological Perspectives on Human Growth 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 4467 Nutritional Anthropology 3 hrs
- ANT 4516 Human Biological Diversity 3 hrs

#### Restricted Electives, Group B: 6 hrs

- Select two courses from the list below:
- ANT 3148 Life and Death in Ancient Egypt 3 hrs
- ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
- ANT 4184 Mortuary Archaeology 3 hrs
- ANT 4521 Forensic Anthropology 3 hrs
- ANT 3701 Applied Anthropology 3 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- ANT 4525C Human Osteology 4 hrs
- ANT 4802 Ethnographic Field Methods 3 hrs
- May substitute a health-related course from another department with permission from Anthropology. 3 hrs

# Minors

## Foreign Language Requirements

- None

## Total Semester Hours Required

- 21

## Other Requirements

- No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Medical Sociology - Minor

### College of Sciences

### Department of Sociology, Howard Phillips Hall, Room: 403

<http://sociology.ucf.edu>

Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

## Minor Admission Requirements

- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor can not be used to satisfy other Sociology minors.

## Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

## Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses	(6 hrs)
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 four courses from the following:

SYD 4020 Birth, Death, and Population Trends	3 hrs
SYO 3410 Patterns of Mental Health in Society	3 hrs
SYP 3551 Patterns of Alcoholism in Society	3 hrs
SYP 4550 Patterns of Drug Abuse in Society	3 hrs
SYP 4730 Patterns of Aging in Society	3 hrs

- May substitute a relevant health-related course from another department with permission from Sociology.

## Foreign Language Requirements

- None

## Total Semester Hours Required

- 18

## Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

## Medieval and Renaissance Studies - Minor

### College of Arts and Humanities

### Department of English, 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
<sup>1</sup> ENL 4311	Chaucer	3 hrs
<sup>1</sup> ENL 4341	Milton and His Age	3 hrs
<sup>1</sup> ENL 4333	Shakespeare Studies	3 hrs

<sup>1</sup> 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
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### Department of Philosophy

PHH 3200	Medieval Philosophy	3 hrs
HUM 3435	Medieval Humanities	3 hrs

## Foreign Language Requirements

- None

## Total Semester Hours Required

- 18

## Other Requirements

- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

## Middle Eastern Studies - Minor

### College of Arts and Humanities

Program in Middle Eastern Studies, Colbourn Hall,

Room: 411J

<http://middleeasternstudies.cah.ucf.edu>

Dr. Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student's major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

CPO 3403	Politics of the Middle East	(9 hrs)	3 hrs
HUM 3419	Islamic Thought and Culture		3 hrs
ASH 3223	The Modern Middle East		3 hrs

#### Restricted Electives

(12 hrs)

- Additional courses may be used only with prior permission of the program director.
- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)

ARA 2200	Intermediate Arabic Language and Civilization I	3 hrs
ASH 3222	Islam and Its Empires	3 hrs
ASH 5227	The Arab-Israeli Conflict	3 hrs
CPO 4710	Women in Comparative Politics	3 hrs
HBR 2200	Intermediate Modern Hebrew I	3 hrs
REL 3553	Moses, Jesus and Muhammad	3 hrs
JST 3401	Jewish People in Antiquity	3 hrs
JST 3402	Wanderings: The Jewish People in Dispersion	3 hrs
JST 3820	Modern Israeli Culture	3 hrs
PHH 3200	Medieval Philosophy	3 hrs
REL 2300	World Religions	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

#### Other Requirements

- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of "C" or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Military Science - Minor

### College of Engineering and Computer Science

Army ROTC, Army ROTC, Room: 501

LTC Sean Morgan

Phone: 407-823-1872

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

(16 hrs)

#### Required Courses

MSL 3201C	Leadership and Problem Solving	4 hrs
MSL 3202C	Leadership and Ethics	4 hrs
MSL 4301C	Leadership and Management	4 hrs
MSL 4302C	Officership	4 hrs

#### Restricted Electives

(3 hrs)

#### Select one of the following

AMH 3541	U. S. Military History To 1900	3 hrs
AMH 3547	U.S. Military History Since 1900	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 19

#### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

## Music - Minor

### College of Arts and Humanities

Department of Music, Colbourn Hall, Room: 205A

<http://www.music.cah.ucf.edu/>

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

(10 hrs)

MUT 1004	Fundamentals of Music I	3 hrs
MUT 1121	Music Theory and Musicianship I	4 hrs

#### Select 1:

3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
MUL 2016	Evolution of Jazz or	3 hrs
MUL 2720	Music of the World or	3 hrs
MUH 2017	Survey of Rock Music or	3 hrs
MUH 2019	American Popular Music, 1840s-present	3 hrs

#### Restricted Electives

(9 hrs)

- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 19

#### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Minors

### Non-Profit Management/American Humanics

#### National Certification Program - Minor

#### College of Health and Public Affairs

#### Department of Public Administration, Health and Public Affairs II, Room: 238

Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

#### Minor Admission Requirements

- None

#### Minor Requirements

- Students must earn a "C" (2.0) or better in each course in the minor.

#### Prerequisite Courses

- None

#### Required Courses

		<b>(9 hrs)</b>
<sup>1</sup> PAD 3930	Nonprofit Leadership Seminar	3 hrs
<sup>2</sup> PAD 4948	Nonprofit Management Internship	3 hrs
PAD 4144	Non-Profit Organizations	3 hrs

<sup>1</sup> One credit hour repeated three semesters

<sup>2</sup> Internships within other programs may be accepted with prior approval of American Humanics advisor

#### Restricted Electives

**(9 hrs)**

- Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

#### Generalist Emphasis

- Choose at least one course from each of the following three groups

#### Select 1:

**3 hrs**

- Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation

<sup>1</sup> ACG 2021	Principles of Financial Accounting or	3 hrs
<sup>1</sup> ACG 2071	Principles of Managerial Accounting or	3 hrs
<sup>1</sup> MAN 3025	Management of Organizations or	4 hrs
PAD 4131	Public Sector Project Management or	3 hrs
PAD 4204	Fiscal Management or	3 hrs
<sup>1</sup> PAD 5850	Grant and Contract Management or	3 hrs
<sup>1</sup> SOW 3401	Social Work Research or	3 hrs
PAD 4153	Planning and Improvement for Pub Org or	3 hrs
PAD 4325	Program Evaluation for Public and Non-Profit Organizations	3 hrs

#### Select 1:

**3 hrs**

- Group II: Human Development and Human Resource Development and Volunteerism

<sup>1</sup> MAN 3301	Management of Human Resources or	3 hrs
<sup>1</sup> MAN 4101	Human Relations in Management or	3 hrs
<sup>1</sup> MAN 4320	Human Resources Recruitment and Selection or	3 hrs
PAD 4414	Public Personnel Administration or	3 hrs
PAD 4148	Volunteer Management or	3 hrs
SOW 3203	Social Work & Community Resources or	3 hrs
SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology or	3 hrs
DEP 3464	Psychology of Aging or	3 hrs
EDG 4941	Directed Field Experience	1 hr

#### Select 1:

**3 hrs**

- Group III: Communication & Marketing and Fund Raising Principles & Practices

<sup>1</sup> COM 3110	Business and Professional Communication or	3 hrs
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business or	3 hrs
MAR 3023	Marketing or	4 hrs
<sup>1</sup> MAR 3641	Marketing Intelligence or	3 hrs
MAR 4803	Marketing Management or	3 hrs
PAD 4147	Resource Development in the Nonprofit Sector or	3 hrs

<sup>1</sup> SOW 3352	Practice II: Interpersonal Skills in Social Work: or	3 hrs
SPC 3301	Interpersonal Communication	3 hrs

<sup>1</sup> Course has prerequisites or may be closed to students in the major. Please see catalog for details.

#### Public Affairs Emphasis

**9 hrs**

- Choose at least 3 courses from the following:

PAD 4148	Volunteer Management	3 hrs
PAD 4153	Planning and Improvement for Pub Org	3 hrs
PAD 4131	Public Sector Project Management	3 hrs
PAD 4147	Resource Development in the Nonprofit Sector	3 hrs
PAD 4204	Fiscal Management	3 hrs
<sup>1</sup> PAD 4223	Public Budgeting: Skills and Techniques	3 hrs
<sup>1</sup> PAD 4253	Community & Economic Development	3 hrs
<sup>1</sup> PAD 4325	Program Evaluation for Public and Non-Profit Organizations	3 hrs

<sup>1</sup> Course has prerequisites or may be closed to students in the major. Please see catalog for details.

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- Enrollment in American Humanics Certification Program through AH program office.
- Attendance at one national American Humanics Management Institute (additional fees).
- Membership in UCF American Humanics Student Association.
- Students must earn a "C" (2.0) or better in each course in the minor.

### North American Indian Studies - Minor

#### College of Sciences

#### Department of Anthropology, Howard Phillips Hall, Room: 309

<http://www.cos.ucf.edu/anthropology>

E-mail: [anthropology@ucf.edu](mailto:anthropology@ucf.edu)

Dr. Rosalyn Howard

Phone: 407-823-2227

The North American Indian Studies minor will enhance a student's understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

#### Minor Admission Requirements

- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

#### Minor Requirements

- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

#### Prerequisite Courses

- Students must satisfy a course's prerequisites before enrolling in the class.

ANT 2000	General Anthropology	3 hrs
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#### Required Courses

ANT 4910	Research	<b>(3 hrs)</b> 3 hrs
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#### Restricted Electives

**(15 hrs)**

- Courses used in the minor must be taken in at least two departments. Select from the following list.

ANT 3245	Native American Religions	3 hrs
ANT 3313	Indians of North America High Plains	3 hrs
ANT 3311	Indians of the Southeastern United States	3 hrs
ANT 3158	Florida Archaeology	3 hrs
ANT 4906	Directed Independent Study	1 hr

ANT 3314	Indians of the Northeast Woodlands	3 hrs
ANT 3312	Ethnology of North American Indians	3 hrs
ANT 3398	Black/Seminole Relations	3 hrs
ANT 3152	Indians of the Southwest	3 hrs
ANT 3318	Indians of the Northwest Coast	3 hrs
AMH 3441	History of the Frontier: Eastern America	3 hrs
AMH 4110	Colonial America, 1607-1763	3 hrs
AMH 4112	The Atlantic World	3 hrs
AML 3640	Native American Literature	3 hrs
ANT 4144	Prehistory of North America	3 hrs
ANT 4153	North American Archaeology	3 hrs
PHH 3701	Native American Philosophy	3 hrs
SYD 3752	Modern Law in Indian Country	3 hrs
SYD 3751	North American Indian Women Today	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

<http://www.music.ucf.edu>

E-mail: [kgay@mail.ucf.edu](mailto:kgay@mail.ucf.edu)

Kirk Gay, [kgay@mail.ucf.edu](mailto:kgay@mail.ucf.edu)

Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

### Minor Admission Requirements (6 hrs)

Take one of the following courses: 3 hrs

MUL 2010	Enjoyment of Music or	3 hrs
MUL 2014	Introduction to Music History and Literature	3 hrs

Take one of the following courses: 3 hrs

THE 2000	Theatre Survey or	3 hrs
THE 2020	Survey of Theatre for Majors	3 hrs

### Minor Requirements (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

THE 4941	Internship	1 hr
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### 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.

## Philosophy - Minor

### College of Arts and Humanities

Department of Philosophy, Psychology Building,  
Room: 220

<http://www.philosophy.cah.ucf.edu/>

E-mail: [philosophy@mail.ucf.edu](mailto:philosophy@mail.ucf.edu)

Dr. Jennifer Mundale, [jmundale@pegasus.cc.ucf.edu](mailto:jmundale@pegasus.cc.ucf.edu), 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (15 hrs)

- Select one course from each of the following groups:

#### Reasoning

Select 1: 3 hrs

PHI 2011	Philosophical Reasoning or	3 hrs
PHI 2101	Formal Logic I or	3 hrs
PHI 2647	Logic and Ethics or	3 hrs
PHI 3131	Formal Logic II or	3 hrs
PHI 2108	Critical Thinking	3 hrs

#### History of Philosophy

Select 1: 3 hrs

PHH 3100	Ancient Philosophy or	3 hrs
PHH 3200	Medieval Philosophy or	3 hrs
PHH 3460	Modern Western Philosophy or	3 hrs
PHH 3600	Contemporary Philosophy	3 hrs

#### Values and Society

Select 1: 3 hrs

PHI 3670	Ethical Theory or	3 hrs
PHI 3626	Advanced Ethics in Science and Technology or	3 hrs
PHM 3401	Philosophy of Law or	3 hrs
PHI 3800	Aesthetics or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHI 3638	Ethical Issues in the 21st Century or	3 hrs
PHI 3625	Virtual Ethics or	3 hrs
PHI 4633	Ethics and Biological Science or	3 hrs
PHM 3100	Freedom and Justice or	3 hrs
PHI 3640	Environmental Ethics or	3 hrs
PHM 4031	Environmental Philosophy or	3 hrs
PHH 3701	Native American Philosophy or	3 hrs
PHI 3805	Contemporary Aesthetics	3 hrs

#### Being and Knowing

Select 1: 3 hrs

PHI 4500	Metaphysics or	3 hrs
PHI 4341	Ways of Knowing or	3 hrs
PHI 4300	Theories of Knowledge or	3 hrs

## Minors

PHI 3700	Philosophy of Religion or	3 hrs
PHI 4400	Philosophy of Science or	3 hrs
PHI 3320	Philosophy of Mind or	3 hrs
PHI 3451	Philosophy of Psychology or	3 hrs
PHI 4420	Philosophy of Social Science or	3 hrs
PHI 3323	Minds and Machines: Philosophy of Cognitive Science or	3 hrs
PHP 4782	Phenomenology or	3 hrs
PHI 4221	Philosophy of Language	3 hrs

### Topics in Philosophy

<b>Select 1:</b>		<b>3 hrs</b>
PHI 4931	Philosophy in the News or	3 hrs
PHI 3683	Philosophy of Friendship or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHI 3648	Ethical Implications of the Human Genome Project or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHI 4804	Critical Theory or	3 hrs
PHP 3783	Modernity as a Philosophical Problem or	3 hrs
PHI 3750	The Problem of Evil or	3 hrs
PHI 3720	Faith and Reason or	3 hrs
PHI 3803	Philosophy and Creativity or	3 hrs
PHI 3941	Philosophy Practicum or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
PHP 3786	Existentialism	3 hrs

### Restricted Electives

(6 hrs)

- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

## Philosophy, Religion and Popular Culture - Minor

### College of Arts and Humanities

### Department of Philosophy, Psychology Building,

Room: 220

<http://www.philosophy.cah.ucf.edu/>

E-mail: [philosophy@mail.ucf.edu](mailto:philosophy@mail.ucf.edu)

Dr. Doug Evans (Orlando Campus), [dkevans@mail.ucf.edu](mailto:dkevans@mail.ucf.edu), 407-823-2273

Dr. Shelley Park, (Cocoa Campus), [spark@mail.ucf.edu](mailto:spark@mail.ucf.edu), 321-433-7919

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

(21 hrs)

- NOTE: Appropriate special topics in philosophy, religious studies or humanities may be substituted for some core courses with prior approval by department advisor.

<b>Theoretical Foundations</b>		<b>6 hrs</b>
<b>Take all of the following:</b>		<b>6 hrs</b>
PHI 3684	Ways of Living and	3 hrs
PHI 4341	Ways of Knowing	3 hrs

<b>Philosophy</b>		<b>3 hrs</b>
<b>Select 1:</b>		<b>3 hrs</b>
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

<b>Religion</b>		<b>3 hrs</b>
<b>Select 1:</b>		<b>3 hrs</b>
CLT 3378	Comparative Mythology or	3 hrs
HUM 3552	Christian Thought or	3 hrs
REL 3553	Moses, Jesus and Muhammad or	3 hrs
HUM 3417	Hindu Thought and Culture or	3 hrs
HUM 3419	Islamic Thought and Culture or	3 hrs
HUM 4303	The Spiritual Ideal or	3 hrs
HUM 4554	Religious Quest and Human Dilemma or	3 hrs
PHI 3750	The Problem of Evil	3 hrs

### Popular Culture Studies

- Select at least one course from Contemporary Media
- Select at least one course from Contemporary Forms of Life

### Contemporary Media

<b>Select 1:</b>		<b>3 hrs</b>
HUM 3320	Contemporary Multicultural Studies or	3 hrs
HUM 4330	Performance Theory or	3 hrs
HUM 4556	Religion and the Arts or	3 hrs
PHI 3625	Virtual Ethics or	3 hrs
PHI 4931	Philosophy in the News or	3 hrs
POS 3235	Mass Media and Politics or	3 hrs
POS 3258	Politics in Film or	3 hrs
REL 3111	Religion and Philosophy Through Film or	3 hrs
REL 3115	Religion, Spirituality, and Popular Music or	3 hrs
SYP 3630	Popular Culture In Society	3 hrs

### Contemporary Forms of Life

<b>Select 1:</b>		<b>3 hrs</b>
ANT 3302	Sex, Gender and Culture or	3 hrs
HUM 3252	Contemporary Humanities or	3 hrs
PHM 3022	Sexuality, Gender & Philosophy or	3 hrs
PHI 3033	Philosophy, Religion, and the Environment or	3 hrs
PHI 3629	Family Values or	3 hrs
PHI 3683	Philosophy of Friendship or	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self or	3 hrs
PHM 3123	Feminist Theories or	3 hrs
PHM 3401	Philosophy of Law or	3 hrs
REL 3131	Religion in America	3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 21

### Other Requirements

- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Physics - Minor

### College of Sciences

Department of Physics, Math and Physics, Room: 310

<http://www.physics.ucf.edu>

E-mail: [physics@ucf.edu](mailto:physics@ucf.edu)

Dr. Talat Rahman

Phone: 407-823-2325

#### Minor Admission Requirements

- The minor is not open to Physics majors.

#### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(11 hrs)
PHY 2048C	Physics for Engineers & Scientists I	4 hrs
PHY 2049C	Physics for Engineers and Scientists II	4 hrs
PHY 3101	Physics for Engineers and Scientists III	3 hrs

#### Restricted Electives (9 hrs)

- Select from upper-level Physics lecture or laboratory courses appropriate for majors

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 20

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Political Science - Minor

### College of Sciences

Department of Political Science, Howard Phillips Hall,

Room: 302

<http://www.cos.ucf.edu/politicalscience>

E-mail: [politics@ucf.edu](mailto:politics@ucf.edu)

Dr. Roger Handberg

Phone: 407-823-2608

#### Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:

- 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course;

POS 2041	American National Government	3 hrs
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#### Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(3 hrs)
POS 2041	American National Government	3 hrs

#### Restricted Electives (15 hrs)

- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).

- Only three hours of for the following course may be used:  
POS 4941L Political Science Internship 3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

## Political Science/Prelaw - Minor

### College of Sciences

Department of Political Science, Howard Phillips Hall,

Room: 302

<http://www.cos.ucf.edu/politicalscience>

E-mail: [politics@ucf.edu](mailto:politics@ucf.edu)

Dr. Roger Handberg

Phone: 407-823-2608

#### Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:

- 1. Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.

- 2. Students who major in International and Global Studies, and minor in Political Science/Prelaw, shall not count more than one course toward both programs, except the following:

POS 2041	American National Government	3 hrs
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#### 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 I or	3 hrs
INR 4402	International Law II or	3 hrs
POS 4603	American Constitutional Law or	3 hrs
POS 4604	American Constitutional Law II	3 hrs

#### Restricted Upper Division Electives 9 hrs

- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).

- Only three hours of the following course may be counted:  
POS 4941L Political Science Internship 3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

## Minors

### Psychology - Minor

#### College of Sciences

Department of Psychology, Psychology Building, Room: 301

<http://www.psych.ucf.edu/>

E-mail: [psychadvising@ucf.edu](mailto: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 3404C Basic Learning Processes or	3 hrs
EXP 3204C Perception or	4 hrs
EXP 3604C Cognitive Psychology or	4 hrs
PSB 4240C Neuropsychology or	4 hrs
PSY 3703 Psychology of Language	3 hrs

##### B. Personality/Social

Select 1:	3 hrs
PPE 3003C Personality Theory and Research or	3 hrs
SOP 3004C Social Psychology	3 hrs

##### C. Developmental

Select 1:	3 hrs
DEP 2004C Developmental Psychology or	3 hrs
DEP 3202 Psychology of Exceptional Children or	3 hrs
DEP 3464 Psychology of Aging	3 hrs

##### D. Diversity

Select 1:	3 hrs
CLP 3184 Women's Mental Health or	3 hrs
SOP 3742 Psychology of Women or	3 hrs
SOP 3723 Cross Cultural Psychology or	3 hrs
SOP 3724 Psychology of Prejudice or	3 hrs
SOP 3784 Psychology of Diversity	3 hrs

##### E. Select one additional Psychology elective 3 hrs

- The following courses will not fulfill this requirement:

INP 3141C Advanced Applied Psychology	1 hr
INP 3951 Industrial/Organizational Field Work	3 hrs
PSY 3905 Directed Independent Study	1 hr
PSY 4906 Directed Independent Study	1 hr
PSY 4912 Directed Independent Research	1 hr
<sup>1</sup> PSY 3951 Undergraduate Field Work	1 hr

<sup>1</sup> This course may fulfill the requirement with prior approval.

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 25

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Public Administration - Minor

#### College of Health and Public Affairs

Department of Public Administration, Health and Public Affairs II, Room: 238

E-mail: [pa/ba/bs@mail.ucf.edu](mailto:pa/ba/bs@mail.ucf.edu)

Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

Required Courses	(21 hrs)
PAD 3003 Public Administration in American Society	3 hrs
PAD 4034 The Administration of Public Policy	3 hrs
PAD 4104 Administrative Theory	3 hrs
PAD 4204 Fiscal Management	3 hrs
PAD 4414 Public Personnel Administration	3 hrs
PAD 4720 Survey Research in Public Administration	3 hrs
PAD 3733 Professional Administrative Writing in the Public Sector	3 hrs

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 21

#### Other Requirements

- A minimum GPA of 2.0 is required in each course used to satisfy the minor.

- Students must earn at least a 2.0 ("C") to earn credit.

- At least 15 hours used in the minor must be earned at UCF within the department.

- No credit by exam (TSD, Military credit) may be used.

- Internship or Independent Study credit cannot be used toward the minor without prior approval.

### Real Estate - Minor

#### College of Business Administration

Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427

Students seeking advising must go to BA 2 room 101.

<http://www.bus.ucf.edu/realestate/>

Phone: 407-823-3575

Open to Business and Non-Business Students. Not available to Real Estate Majors.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses (6 hrs)

ACG 2021 Principles of Financial Accounting	3 hrs
ECO 2023 Principles of Microeconomics	3 hrs

#### Required Courses (13 hrs)

Required Courses	(13 hrs)
FIN 2100 Personal Finance and Investments	3 hrs
FIN 3403C Business Finance	4 hrs



REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
<b>Restricted Electives</b>		<b>(6 hrs)</b>
<b>Select 2:</b>		<b>6 hrs</b>
REE 4103	Real Estate Appraisal and Valuation <b>or</b>	3 hrs
REE 4203	Commercial Real Estate Finance <b>or</b>	3 hrs
REE 4204	Residential Real Estate Finance <b>or</b>	3 hrs
REE 4303	Real Estate Investment Analysis <b>or</b>	3 hrs
REE 4732	Real Estate Development <b>or</b>	3 hrs
REE 3614	Environmental Issues for Real Estate <b>or</b>	3 hrs
REE 4933	Advanced Topics in Real Estate	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at 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 required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

**Recreation - Minor**

**College of Education**

**Department of Child, Family and Community Sciences, Education Building, Room: 209**

Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@mail.ucf.edu  
Phone: 407-823-6598

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**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

<b>Required Courses</b>		<b>(9 hrs)</b>
PEO 3041	Games Analysis	3 hrs
PET 3765	Coaching Theory	3 hrs
PET 3820	Teaching Sports Skills I	3 hrs

**Restricted Electives**

<b>Select 3:</b>		<b>9 hrs</b>
DAE 3370	Dance and Rhythmics	3 hrs
PET 3771	Strength and Conditioning Concepts	3 hrs
PET 4050C	Motor Development and Learning	3 hrs
PET 4312C	Kinesiology/Biomechanics	3 hrs
SPM 3130	Aquatic Management	3 hrs
PET 4002	Outdoor and Leisure Activities	3 hrs
SPM 3204	Sports and Ethics	3 hrs
SPM 3415	Public Relations in Sport and Exercise Science	3 hrs
PET 3361	Nutrition and Metabolism in Sport and Exercise Science	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No grades below "C" (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor

**Religious Studies - Minor**

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**

<http://philosophy.cah.ucf.edu/>

**E-mail: religion@mail.ucf.edu**

Dr. Sabatino DiBernardo, sdiberna@mail.ucf.edu, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

<b>Required Courses</b>		<b>(3 hrs)</b>
REL 2300	World Religions	3 hrs

**Restricted Electives**

- (Select from the following courses)

**Religion, Humanities, Classics, and Philosophy courses**

CLT 3370	Classical Mythology <b>or</b>	3 hrs
CLT 3378	Comparative Mythology <b>or</b>	3 hrs
HUM 3320	Contemporary Multicultural Studies <b>or</b>	3 hrs
HUM 3401	Asian Humanities <b>or</b>	3 hrs
HUM 3417	Hindu Thought and Culture <b>or</b>	3 hrs
HUM 3419	Islamic Thought and Culture <b>or</b>	3 hrs
HUM 3552	Christian Thought <b>or</b>	3 hrs
HUM 4303	The Spiritual Ideal <b>or</b>	3 hrs
HUM 4330	Performance Theory <b>or</b>	3 hrs
HUM 4554	Religious Quest and Human Dilemma <b>or</b>	3 hrs
PHI 3033	Philosophy, Religion, and the Environment <b>or</b>	3 hrs
PHI 3638	Ethical Issues in the 21st Century <b>or</b>	3 hrs
PHI 3672	Animal Ethics <b>or</b>	3 hrs
PHI 3684	Ways of Living <b>or</b>	3 hrs
PHI 3700	Philosophy of Religion <b>or</b>	3 hrs
PHI 4321	Philosophies of Embodiment: Mind/Body/ Self <b>or</b>	3 hrs
PHI 4341	Ways of Knowing <b>or</b>	3 hrs
PHI 4804	Critical Theory <b>or</b>	3 hrs
PHM 3020	Philosophy of Love <b>or</b>	3 hrs
PHM 3100	Freedom and Justice <b>or</b>	3 hrs
PHP 3786	Existentialism <b>or</b>	3 hrs
REL 3111	Religion and Philosophy Through Film <b>or</b>	3 hrs
REL 3115	Religion, Spirituality, and Popular Music <b>or</b>	3 hrs
REL 3131	Religion in America <b>or</b>	3 hrs
REL 3340	Buddhist Thought <b>or</b>	3 hrs
REL 3432	Roots of Western Mysticism <b>or</b>	3 hrs
REL 4110	Religion and the Arts <b>or</b>	3 hrs
REL 4180	Religion and Medicine <b>or</b>	3 hrs
REL 3553	Moses, Jesus and Muhammad	3 hrs

**Courses offered through other Departments**

<b>6 hrs</b>		
■ NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.		
AML 3615	Harlem, Haiti, and Havana <b>or</b>	3 hrs
ANT 3241	Magic, Ritual, and Belief <b>or</b>	3 hrs
ANT 3245	Native American Religions <b>or</b>	3 hrs
ASH 3222	Islam and Its Empires <b>or</b>	3 hrs
ASH 3223	The Modern Middle East <b>or</b>	3 hrs
JST 3005	Tenets of Judaism <b>or</b>	3 hrs
JST 3125	The Book of Job <b>or</b>	3 hrs

## Minors

JST 3144	Dead Sea Scrolls or	3 hrs
JST 3450	Modern Jewish Experience or	3 hrs
JST 3401	Jewish People in Antiquity or	3 hrs
JST 3402	Wanderings: The Jewish People in	3 hrs
	Dispersion or	
JST 3550	Introduction of Modernism into Judaism or	3 hrs
JST 3701	History of the Holocaust or	3 hrs
JST 3751	Literature of the Holocaust or	3 hrs
JST 3810	The Jewish National Movement and Roots	3 hrs
	of Zionism or	
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

### Other Requirements

- A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

## Science Education - Minor

### College of Education

#### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/science/>

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

### Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

(19 hrs)

	A C- or better is required in these courses	
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
SCE 4360	Science Instructional Analysis	4 hrs
SCE 4361	Programs in Teaching Science	3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 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
- 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

## Secure Computing and Networks - Minor

### College of Engineering and Computer Science

#### Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

<http://www.eecs.ucf.edu>

Dr. Mark Llewellyn, markl@csucf.edu, 407-823-3327

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

(6 hrs)

### Required Courses

6 hrs

CIS 3360	Security in Computing	3 hrs
CIS 3362	Cryptography and Information Security	3 hrs

### Restricted Electives

(12 hrs)

- Elective Courses: Select any four courses from the following list.

### Select 4:

12 hrs

CNT 4403	Network Security and Privacy or	3 hrs
CIS 4361	Secure Operating Systems and Administration or	3 hrs
CIS 4615	Secure Software Development and Assurance or	3 hrs
CNT 4703C	Design and Implementation of Computer Communication Networks or	3 hrs
CNT 4704	Analysis of Computer Communication Networks or	3 hrs
COP 4600	Operating Systems or	3 hrs
EEL 4781	Computer Communication Networks	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

## Social Science Education - Minor

### College of Education

#### School of Teaching, Learning, and Leadership, Education Building, Room: 209

<http://education.ucf.edu/ssed/>

Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

### Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

(19 hrs)

	A C- or better is required in these courses	
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs

TSL 4080	Theory and Practice of Teaching ESOL Students in Schools	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs
SSE 4361	Social Science Instructional Analysis	4 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

**Sociology - Minor**

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room: 403**

<http://sociology.ucf.edu/>

**E-mail: sociology@ucf.edu**

Dr. Jay Corzine

Phone: 407-823-3744

**Minor Admission Requirements**

- The minor is not open to Sociology majors.

**Minor Requirements**

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
- No more than 3 hours of Independent Study credit can be used toward the minor.

**Prerequisite Courses**

- Students must satisfy each course's prerequisites before enrolling in the class.

<b>Required Courses</b>	<b>(3 hrs)</b>
SYG 2000 Introduction to Sociology	3 hrs

<b>Restricted Electives</b>	<b>(15 hrs)</b>
<b>Restricted Electives</b>	<b>3 hrs</b>

■ 2000-4000 level Sociology courses	
<b>Restricted Upper Division Electives</b>	<b>12 hrs</b>
■ 3000-4000 level Sociology courses	

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.

**Spanish - Minor**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

<http://ml.cah.ucf.edu/>

**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- None

**Restricted Electives (18 hrs)**

- 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.

**Sport Business Management (SPB): Business Minor - Minor**

**College of Business Administration**

**DeVos Sport Business Management, Business Administration II, Room: 205**

<http://www.bus.ucf.edu>

Dr. C. Keith 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

**Prerequisite Courses**

- None

**Required Courses (12 hrs)**

SPB 3003	Introduction to Sport Business Management	3 hrs
SPB 3603	Diversity and Social Issues in Sport Business Management	3 hrs
SPB 3823	The Role of Business Entrepreneurship in Sports/Entertainment	3 hrs
MAR 4711	Sport Marketing	3 hrs

**Restricted Electives (6 hrs)**

MAN 4701	Business Ethics and Society	3 hrs
SPB 4304	Sports Event and Facility Management	3 hrs
SPB 4804	Sport Business and Media	3 hrs
<sup>1</sup> GEB 4824	Business Law in Sport & Entertainment	3 hrs

<sup>1</sup> Business Law in Sport & Entertainment

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

## Minors

### Other Requirements

- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of a "C" (2.0) or better, or an "S" grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

## Sport Business Management (SPB): Minor for Non-Business Majors - Minor

**College of Business Administration  
DeVos Sport Business Management, Business Administration II, Room: 205**

<http://www.bus.ucf.edu>

Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

### Minor Admission Requirements

- None

### Minor Requirements

- None

Prerequisite Courses		(7 hrs)
FIN 2100	Personal Finance and Investments	3 hrs
MAR 3023	Marketing	4 hrs

### Required Courses

SPB 3003	Introduction to Sport Business Management	3 hrs
SPB 3603	Diversity and Social Issues in Sport Business Management	3 hrs
SPB 3823	The Role of Business Entrepreneurship in Sports/Entertainment	3 hrs
MAR 4711	Sport Marketing	3 hrs

Restricted Electives		(6 hrs)
SPB 4304	Sports Event and Facility Management	3 hrs
SPB 4804	Sport Business and Media	3 hrs
GEB 4824	Business Law in Sport & Entertainment	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of "C" (2.0) or better, or an "S" grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.

- 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/>

**E-mail: statistics@ucf.edu**

Dr. David Nickerson

Phone: 407-823-2289

### Minor Admission Requirements

- The minor is not open to Statistics majors.

### Minor Requirements

- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses		(9 hrs)
STA 4163	Statistical Methods II	3 hrs
STA 4164	Statistical Methods III	3 hrs

Select 1:		3 hrs
STA 2023	Statistical Methods I or	3 hrs
STA 3032	Probability and Statistics for Engineers	3 hrs

### Restricted Electives

- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course cannot be used as a restricted elective:  
STA 3032 Probability and Statistics for Engineers 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Technical Education and Industry Training - Minor

### College of Education

**Department of Educational and Human Sciences,  
Education Complex, Room: ED 123 N**

<http://education.ucf.edu/teched/>

**E-mail: jwhitema@mail.ucf.edu**

Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293

Phone: 407-823-2848

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

### Minor Requirements

- None

## Prerequisite Courses

- None

## Required Courses

		(18 hrs)
ADE 4382	Teaching Adult Learners in Technical Programs	3 hrs
ECT 4384	Advanced Teaching Techniques for Vocational Education	3 hrs
ECT 3062	Professional Role of the Vocational Teacher	3 hrs
ECT 3367	Evaluation of Vocational Instruction	3 hrs
ECT 4184	Curriculum Development Techniques for Industry Training	3 hrs
ECT 4004	Principles and Practices of Technical Education	3 hrs

## Restricted Electives

- None

## Foreign Language Requirements

- None

## Total Semester Hours Required

- 18

## Other Requirements

- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of "C" (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education

## Technological Entrepreneurship - Minor

### College of Business Administration

### College of Engineering and Computer Science

### Department of Management, Business Administration,

### Room: 309

<http://www.cei.ucf.edu>

Cameron Ford, [cford@bus.ucf.edu](mailto:cford@bus.ucf.edu)

Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

## Minor Admission Requirements

- None

## Minor Requirements

- None

## Prerequisite Courses

- None

## Required Courses

		(9 hrs)
GEB 3113	How to Start a Business	3 hrs
GEB 4110	Business Plan Preparation	3 hrs
GEB 4152	Technological Entrepreneurship	3 hrs

## Restricted Electives

### Innovation Design or Research Sequence

- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

## All engineering, interdisciplinary students (e.g., busi-

ness):		6 hrs
EGN 4412C	Interdisciplinary Design I and	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

## BSEE, BSCPE:

EEL 4914	Senior Design I and	3 hrs
EEL 4915L	Senior Design II	3 hrs

## BSME:

EML 4501C	Engineering Design I and	3 hrs
EML 4502C	Engineering Design II	3 hrs

## BSCE:

CCE 4810C	Construction Design Project and	3 hrs
CEG 4801C	Geotechnical Engineering Design	3 hrs

## BSAE:

EAS 4700C	Aerospace Design I and	3 hrs
EAS 4710C	Aerospace Design II	3 hrs

## Digital Media:

DIG 4713	Game Design and	3 hrs
DIG 4715C	Game Production	3 hrs

## Discipline-Specific or Experiential Sequence

- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

## Foreign Language Requirements

- None

## Total Semester Hours Required

- 18

## Other Requirements

- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of "C" (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

## Theatre - Minor

### College of Arts and Humanities

### Department of Theatre, UTC, Room: 180

<http://www.theatre.cah.ucf.edu>

E-mail: [theatre@mail.ucf.edu](mailto:theatre@mail.ucf.edu)

Earl Weaver, [eweaver@mail.ucf.edu](mailto:eweaver@mail.ucf.edu), 407-823-2862

## Minor Admission Requirements

- A successful interview and current resume

## Minor Requirements

- None

## Prerequisite Courses

- None

## Required Courses

		(15 hrs)
THE 2304	Script Analysis	3 hrs
THE 3311	Theatre History and Dramatic Literature I	3 hrs
TPP 2101	Fundamentals of Acting	3 hrs
TPA 2201	Technical Theatre Production	2 hrs
TPA 2201L	Technical Theatre Production Lab	1 hr

## Select 1:

THE 2000	Theatre Survey or	3 hrs
THE 2020	Survey of Theatre for Majors	3 hrs

## Restricted Electives

- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

## Minors

### 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.
- Student must consult theatre advisor every 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 will lead to release from the program.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.

## Urban and Regional Planning - Minor

### College of Health and Public Affairs

#### Department of Public Administration, Health and Public Affairs II, Room: 238

E-mail: [pa/ba/bs@mail.ucf.edu](mailto:pa/ba/bs@mail.ucf.edu)

Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

PAD 3330	Urban and Regional Planning	3 hrs
PAD 4712	Information Systems for Public Managers and Planners	3 hrs
PAD 4331	Land Use and Planning	3 hrs
PAD 4334	Urban Design	3 hrs
PAD 4253	Community & Economic Development	3 hrs
PAD 4351	Issues in Environmental Program Management	3 hrs
PAD 4803	Issues in Urban Administration	3 hrs

### Restricted Electives

### Suggested Courses

- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
- |          |  |       |
|----------|--|-------|
| PAD 4110 | Intergovernmental Administration           | 3 hrs |
| PAD 4390 | Hazard Mitigation and Preparedness         | 3 hrs |
| PAD 4392 | Emergency Management and Homeland Security | 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 - Minor

### College of Arts and Humanities

#### Program in Women's Studies, Colbourn Hall, Room: 411A

<http://womensstudies.cah.ucf.edu>

E-mail: [womenst@mail.ucf.edu](mailto:womenst@mail.ucf.edu)

Dr. M.C. Santana, 407-823-2269

Phone: 407-823-6502

The Women's Studies minor provides students with an opportunity to learn about women's historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women's Studies Program.

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses

WST 3015 Introduction to Women's Studies (6 hrs) 3 hrs

### Select 1:

■ Select one course from the Theories Group:		3 hrs
WST 3522	First and Second Wave Feminisms or	3 hrs
WST 3561	Third Wave Feminisms or	3 hrs
WST 3621	Theories of Masculinity or	3 hrs
WST 4349	Ecofeminism or	3 hrs
WST 4415	Global and Transnational Feminism or	3 hrs
LIT 4554	Advanced Feminist Theories or	3 hrs
PHM 3123	Feminist Theories	3 hrs

### Restricted Electives

(12 hrs)

- Students should complete at least two of their four Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

### Women's Studies Disciplinary Approaches

WST 3020	Girls' Studies	3 hrs
WST 3371	Women and Leadership	3 hrs
WST 3460	Women, Race and Struggle	3 hrs
WST 3500	Gender Issues and Community Activism	3 hrs
WST 3522	First and Second Wave Feminisms	3 hrs
WST 3621	Theories of Masculinity	3 hrs
WST 4002	Research in Women and Gender	3 hrs
WST 4021	Girls and Leadership	3 hrs
WST 4349	Ecofeminism	3 hrs
WST 4415	Global and Transnational Feminism	3 hrs

### Women's History

AMH 3561	Women in American History I	3 hrs
AMH 3562	Women in American History II	3 hrs
ASH 4304	Women in China	3 hrs
EUH 4610	Women in European Society: From Medieval to Modern	3 hrs

### Representations of Women

AML 3283	Contemporary American Women's Fiction	3 hrs
ARH 4871	Women in Art	3 hrs
COM 4014	Gender Issues in Communication	3 hrs
FIL 3880C	Images of Women in Film	3 hrs
LIT 3383	Women in Literature	3 hrs
LIT 3823	Hispanic Women Writers	3 hrs
PHM 3022	Sexuality, Gender & Philosophy	3 hrs

**Women's Wellness**

CLP 3184	Women's Mental Health	3 hrs
NSP 4425	Women's Health Issues	3 hrs
SOP 3742	Psychology of Women	3 hrs

**Select 1:** **3 hrs**

PEM 2405	Self Defense for Women and Men or	3 hrs
SOP 2772	Sexual Behavior	3 hrs

**Women and Social Policy**

ANT 3302	Sex, Gender and Culture	3 hrs
ANT 4308	Gender Issues in Latin America	3 hrs
CCJ 4670	Women and Crime	3 hrs
CCJ 4681	Domestic Violence and the Justice System	3 hrs
CPO 4710	Women in Comparative Politics	3 hrs
INR 4085	Women, Gender, and Globalization	3 hrs
PUP 3325	Women and Political Behavior	3 hrs
PUP 4323	Women and Public Policy	3 hrs
SYD 3751	North American Indian Women Today	3 hrs
SYD 4810	Women in Contemporary Society	3 hrs
SYD 4813	Women, Law and Social Change	3 hrs
SYO 4100	Family Trends	3 hrs
SYD 3800	Sex and Gender in Society	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- Minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

**World Comparative Studies - Minor**

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies, Classroom I, Room: 302**

<http://www.is.ucf.edu>

**E-mail: is@mail.ucf.edu**

Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

IDS 3333	World Comparative Studies	(3 hrs)
		3 hrs

**Restricted Electives**

(15 hrs)

■ Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student's major and this minor, with permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

**Language and Culture**

■ Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.

AML 3615	Harlem, Haiti, and Havana	3 hrs
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ANT 3610	Language and Culture	3 hrs
ANT 3145	Archaeology of Complex Societies	3 hrs
ANT 3319	Anthropology of Diaspora	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 4702	Culture, Power and Development	3 hrs
FSS 3008	Culture and Cuisine	3 hrs
HFT 4866C	Exploring Wines of the World	3 hrs
HFT 3868	History and Culture of Wine	3 hrs
HFT 4894	International Gastronomy	3 hrs
HUM 3419	Islamic Thought and Culture	3 hrs

**Economics**

ANT 4702	Culture, Power and Development	3 hrs
ECO 3703	International Microeconomics	3 hrs
ECO 4713	International Macroeconomics	3 hrs
ECS 4013	Development Economics	3 hrs
ECP 3302	Economics and the Environment	3 hrs
HFT 3700	Tourism Management	3 hrs
INR 4035	International Political Economy	3 hrs
ECO 4701	Seminar in Global Economic Policy	3 hrs

**Biological and Geophysical Environment**

IDS 3150	Foundations of Environmental Studies	3 hrs
ECP 3302	Economics and the Environment	3 hrs
SYD 4510	Environment and Society	3 hrs
HFT 4735	Tourism Geography	3 hrs
INR 4351	International Environmental Law	3 hrs
ENV 3001	Introduction to Environmental Engineering	3 hrs
GIS 3043C	GIS for Environmental Studies	3 hrs
GIS 4035C	Remote Sensing of the Environment	3 hrs
PHI 3033	Philosophy, Religion, and the Environment	3 hrs
PHI 3640	Environmental Ethics	3 hrs

**Social Structure and Change**

ANT 3145	Archaeology of Complex Societies	3 hrs
ANT 3273	Law and Culture	3 hrs
ANT 4702	Culture, Power and Development	3 hrs
PLA 4830	World Legal Systems	3 hrs
SYP 4454	Global Inequality and Society	3 hrs

**Media and Communication**

FIL 3845	World Cinema Traditions	3 hrs
FIL 4844	Africana Cinema	3 hrs
COM 4461	Intercultural Communication	3 hrs
LIN 4643	Cross Cultural Communication	3 hrs
THE 4212	Global Theatre	3 hrs
FIL 3842	International Cinema	3 hrs

**World Independent Specialization**

■ Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

**Foreign Language Requirements**

■ Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

**Total Semester Hours Required**

- 18

**Other Requirements**

- A grade of "C" (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

## Minors

### Writing and Rhetoric - Minor

College of Arts and Humanities

Department of Writing and Rhetoric, Colbourn Hall,

Room: 301 B

<http://writingandrhetoric.cah.ucf.edu>

E-mail: [bscott@mail.ucf.edu](mailto:bscott@mail.ucf.edu)

Dr. Blake Scott, [bscott@mail.ucf.edu](mailto:bscott@mail.ucf.edu), 407-823-1057

The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

#### Minor Admission Requirements

##### Transfer Notes

- Transfer courses in which students earned lower than a "C" (2.0 GPA) will not be accepted.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

##### Minor Requirements

- Students must earn a minimum GPA of 2.5 in coursework used to satisfy the minor.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

**Prerequisite Courses** (3 hrs)  
<sup>1</sup> ENC 1102 Composition II 3 hrs

<sup>1</sup> ENC 1102 is a GEP course. It does not count towards the 18 credit hours needed to fulfill the Writing and Rhetoric Minor requirements.

**Required Courses** (3 hrs)

##### Required Core Course

- Students should take core course as early in the program as possible.

ENC 3331 Rhetoric and Civic Engagement 3 hrs

**Restricted Electives** (9 hrs)

- One course from each of the three Department of Writing and Rhetoric curricular clusters (see below):

**Public, Professional and Disciplinary Writing** 3 hrs

ENC 3250 Professional Writing 3 hrs  
 ENC 3310 Magazine Writing I 3 hrs

ENC 3311 Advanced Expository Writing 3 hrs  
 ENC 3351 Writing for Publication 3 hrs  
 ENC 3454 Topics in Public, Professional, and Disciplinary Writing 3 hrs

ENC 3315 Advanced Argumentative Writing 3 hrs  
 ENC 4416 Writing in Digital Environments 3 hrs  
 ENC 4354 Community Based Research and Writing 3 hrs  
 ENC 4212 Professional Editing 3 hrs

**Rhetoric and Writing Histories and Theories** 3 hrs

ENC 3330 Rhetorical Traditions 3 hrs  
 ENC 3417 Writing, Literacy, and Technology 3 hrs  
 ENC 3373 Alternative Rhetorics 3 hrs  
 ENC 3372 Topics in Rhetoric and Writing Histories and Theories 3 hrs

ENC 4504 Contemporary Composition Theory 3 hrs  
 ENC 4523 Writing and Identity 3 hrs  
 ENC 4374 Gendered Rhetorics 3 hrs  
 LIN 4600 Language and Society 3 hrs

**Language and the Teaching of Writing** 3 hrs

ENC 3473 Writing in Disciplinary Cultures 3 hrs  
 ENC 3521 Cultural Literacies 3 hrs  
 ENC 3503 Topics in Language and the Teaching of Writing 3 hrs

ENC 4544 Writing Pedagogy 3 hrs  
 ENC 4275 Writing/Consulting: theory & practice 3 hrs  
 LIN 3673 Grammar & Advanced Prose Style 3 hrs  
 LIN 4680 Modern English Grammar 3 hrs

#### Foreign Language Requirements

- None

**Total Semester Hours Required**

- 18

#### Other Requirements

Students must also take two courses from among the following: 6 hrs

- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course including:
  - CRW 3011 Creative Writing for Non-Majors 3 hrs
  - CRW 3053 Theory & Practice of Creative Writing 3 hrs
  - PLA 3108 Legal Research 3 hrs
  - PLA 3155 Legal Writing 3 hrs





# CERTIFICATES

## Aging Studies - Certificate

College of Health and Public Affairs

School of Social Work, Health and Public Affairs I,  
Room: 204

E-mail: [socialwk@mail.ucf.edu](mailto:socialwk@mail.ucf.edu)

BSW Coordinator  
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- None

### Certificate Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

### Prerequisite Courses

- None

### Required Courses (6 hrs)

GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

### Required Internship: (Select one) 3 hrs

<sup>1</sup> SOW 4510 Field Education 9 hrs  
<sup>2</sup> SOW 4941 Internship 9 hrs  
 HSA 4941 Internship 3 hrs  
 PSY 3951 Undergraduate Field Work 3 hrs  
 SYP 4941 Internship 3 hrs

<sup>1</sup> (Full-time students ONLY). Cannot be used with SOW 4941.

<sup>2</sup> (Part-time students over two semesters ONLY). Cannot be used with SOW 4510.

### Restricted Electives (9 hrs)

- Students select three additional courses from the following courses: A maximum of two courses in their College must be taken and at least one course must be outside their college.

### College of Health and Public Affairs 6 hrs

HSA 4220 Long Term Patient Management 3 hrs  
 HSA 3222 Long Term Care and Administration 3 hrs  
 HSC 4564 Health Care Needs of the Elderly 3 hrs  
 PLA 4530 Legal Issues of the Elderly 3 hrs  
 SOW 4645 Social Services for the Elderly 3 hrs  
 NUR 4286 Gerontologic Nursing 3 hrs  
 SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs

### Other Colleges 3 hrs

DEP 3464 Psychology of Aging 3 hrs  
 SYP 4730 Patterns of Aging in Society 3 hrs  
<sup>1</sup> GEY 5007 Women and Healthy Aging 3 hrs  
 SYP 4732 Minority Aging 3 hrs

<sup>1</sup> Open to undergraduates with senior standing

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 15

### Other Requirements

- A minimum GPA of 2.0 required in all courses used to satisfy the certificate
- Grades less than "C" (2.0) are not accepted
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the certificate

## Behavioral Forensics - Certificate

College of Sciences

Department of Psychology, Psychology Building, Room:  
301

<http://www.psych.ucf.edu/>

E-mail: [kmottare@mail.ucf.edu](mailto:kmottare@mail.ucf.edu)

Dr. Karen Mottarella  
Phone: 321-433-7982

This certificate must be completed along with a Bachelor's degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

### Certificate Admission Requirements

- None

### Certificate Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

### Prerequisite Courses (9 hrs)

- Students must satisfy each course's prerequisites before enrolling in the class.

### Select 1: 3 hrs

Complete one introductory course:  
 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

### From Psychology, select one of the following: 3 hrs

CLP 3143 Abnormal Psychology 3 hrs  
 CLP 3302 Clinical Psychology 3 hrs  
 CLP 4134 Childhood Psychopathology 3 hrs  
 PCO 4203 Interviewing and Counseling 4 hrs

### From Sociology, select two of the following: 6 hrs

SYP 3511 Sociology of Murder 3 hrs  
 SYP 3530 Juvenile Delinquency 3 hrs  
 SYP 3562 Patterns of Domestic Violence in Society 3 hrs  
 SYP 4521 Crime Victims in Society 3 hrs  
 SYP 4514 Patterns of Violence in Society 3 hrs  
 SYP 4536 Gangs and Society 3 hrs  
 SYP 3540 Sociology of Law 3 hrs

### From Criminal Justice, select one of the following: 3 hrs

CCJ 3014 Crime in America 3 hrs  
 CCJ 3024 Criminal Justice System 3 hrs  
 CCJ 4670 Women and Crime 3 hrs  
 CJE 4630 Serial Murder and Criminal Justice 3 hrs  
 CCJ 3667 Victims and the CJ System 3 hrs  
 CCJ 4681 Domestic Violence and the Justice System 3 hrs  
 CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs  
 CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 30

## Certificates

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.

### Children's Services - Certificate

#### College of Health and Public Affairs

#### School of Social Work, Health and Public Affairs I,

Room: 204

E-mail: [socialwk@mail.ucf.edu](mailto:socialwk@mail.ucf.edu)

BSW Coordinator

Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children's Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- Must be a BSW major.

### Certificate Requirements

- Placement with the Department of Children and Families- Working with child welfare or placement in an agency that serves children
- Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement

### Prerequisite Courses

- None

### Required Courses

SOW 3352	Practice II: Interpersonal Skills in Social Work:	3 hrs
SOW 4654	Children's Services	3 hrs
SOW 4650	Child Abuse: Treatment and Prevention	3 hrs

### Select 1:

<sup>1</sup> SOW 4510	Field Education or	9 hrs
<sup>2</sup> SOW 4941	Internship	9 hrs

<sup>1</sup> (for full-time students ONLY)

<sup>2</sup> (for part-time students over two semesters)

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- None

### Crime Analysis and Crime Mapping - Certificate

#### College of Health and Public Affairs

#### Department of Criminal Justice and Legal Studies,

Health and Public Affairs I, Room: 311

E-mail: [cjadvise@mail.ucf.edu](mailto:cjadvise@mail.ucf.edu)

R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- None

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

CJE 3662	CJ Information Technology and Data Management	3 hrs
CJE 4663	Crime Mapping and Pattern Analysis	3 hrs
CCJ 4076	Crime Intelligence and Investigative Support Analysis	3 hrs

### Restricted Electives

■ Select two of the following:		
CCJ 3451	Justice System Technology	3 hrs
CJE 3444	Crime Prevention	3 hrs
CJE 4654	Crime and Place	3 hrs
CCJ 3450	The Criminal Justice Manager	3 hrs
CJE 4352	Policy Development in Law Enforcement	3 hrs
CJE 4572	Justice Agency Operations	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 15

### Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit may not be used toward the program

### Crime Scene Investigation - Certificate

#### College of Health and Public Affairs

#### Department of Criminal Justice and Legal Studies,

Health and Public Affairs I, Room: 311

Department of Anthropology, Phillips Hall, Room: 403

David Fabianic, [fabianic@mail.ucf.edu](mailto:fabianic@mail.ucf.edu), 407-823-2603

Dr. John Schultz, [jschultz@mail.ucf.edu](mailto:jschultz@mail.ucf.edu), 407-823-2618

Mary Ann Eastep, [cjadvise@mail.ucf.edu](mailto:cjadvise@mail.ucf.edu), 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor's case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- None

### Certificate Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

### Prerequisite Courses

- None

### Required Courses

■ Note: some courses have limited offerings, and should be taken when available.		
ANT 4521	Forensic Anthropology	3 hrs
ANT 4183	Archaeological Sciences	3 hrs
CJE 4012	Criminal Profiling in Criminal Justice	3 hrs
CJE 4610	Criminal Investigation	3 hrs

<b>Restricted Electives</b>		<b>(3 hrs)</b>
■ Select one of the following courses:		
ANT 4528C	Advanced Forensic Anthropology	5 hrs
SYP 3511	Sociology of Murder	3 hrs
CJE 4630	Serial Murder and Criminal Justice	3 hrs
CCJ 4195	Interviews & Interrogations in CJ	3 hrs
CHS 3501	Introduction to Forensic Science	3 hrs
ANT 3115	Archaeological Method and Theory	3 hrs

**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 and Legal Studies,**  
**Health and Public Affairs I, Room: 311**

David Fabianic, fabianic@mail.ucf.edu, 407-823-2603  
 Mary Ann Eastep, cjadvice@mail.ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today's law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (12 hrs)**

CLP 3143	Abnormal Psychology	3 hrs
CJE 4630	Serial Murder and Criminal Justice	3 hrs
CCJ 4690	Sex Offenders and the Criminal Justice System	3 hrs
CJE 4012	Criminal Profiling in Criminal Justice	3 hrs

**Restricted Electives (3 hrs)**

■ Select one of the following:		
DSC 4012	Terrorism	3 hrs
CJE 4610	Criminal Investigation	3 hrs
CCJ 4195	Interviews & Interrogations in CJ	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 15

**Other Requirements**

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit cannot be used toward the certificate

**Cultural Tourism - Certificate**

**Office of Undergraduate Studies**  
**Office of Interdisciplinary Studies, Classroom I,**  
**Room: 302**

<http://www.is.ucf.edu>

**E-mail: is@mail.ucf.edu**

Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (12 hrs)**

HFT 3540	Guest Services Management I	3 hrs
HFT 3700	Tourism Management	3 hrs
HFT 4735	Tourism Geography	3 hrs
ANT 4303	Anthropology of Tourism	3 hrs

**Restricted Electives (6 hrs)**

- Choose two classes from one of the following areas:

**African American Heritage area (choose two classes)**

AFA 3104	The Black Intellectual Experience	3 hrs
AFA 4105	Documenting African American Heritage and Life	3 hrs
SYD 3700	Race and Ethnicity	3 hrs

**Anthropology area (choose two classes)**

ANT 2140	Archaeology and the Rise of Human Culture	3 hrs
ANT 3212	Peoples of the World	3 hrs
ANT 2410	Cultural Anthropology	3 hrs
ANT 3115	Archaeological Method and Theory	3 hrs
ANT 3701	Applied Anthropology	3 hrs

**Environmental Tourism area (choose two classes)**

BOT 3152C	Local Flora	3 hrs
PCB 3442	Aquatic Ecology	3 hrs
INR 4351	International Environmental Law	3 hrs
PUP 3203	Environmental Politics	3 hrs
PUP 4204	Sustainability	3 hrs
SYD 4510	Environment and Society	3 hrs

**Latin American area (choose two classes)**

ANT 3163	Mesoamerican Archaeology	3 hrs
ANT 3168	Maya Archaeology	3 hrs
ANT 4332	People and Cultures of Latin America	3 hrs
ANT 4340	Caribbean Cultures	3 hrs
ARH 4653	Meso American Art	3 hrs
CPO 4303	Comparative Latin American Politics	3 hrs
LAH 3400	History of Mexico and Central America	3 hrs
LAH 3470	History of the Caribbean	3 hrs
LAH 3130	Latin American History I	3 hrs
LAH 3200	Modern Latin America	3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director

## Certificates

### Diplomacy - Certificate

#### College of Sciences

**Department of Political Science, Phillips Hall, Room: 302**

**Department of History, Colburn Hall, Room: 551**

<http://www.cos.ucf.edu/politicalscience>

Dr. R. Handberg, 407-823-2608

Dr. E. Kallina, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

#### Certificate Admission Requirements

- None

#### Certificate Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

#### Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

#### Required Courses (9 hrs)

INR 4030	Diplomacy	3 hrs
AMH 4513	United States as a Great Power: 1945-Present	3 hrs
INR 4102	American Foreign Policy	3 hrs

#### Restricted Electives (6 hrs)

Select two courses from the following list: 6 hrs

INR 4114	American Security Policy or	3 hrs
INR 4054	Global Politics of Energy or	3 hrs
INR 4074	Immigration Policy or	3 hrs
INR 4075	Human Rights Policy or	3 hrs
INR 4076	Global Drug Policy or	3 hrs
INR 4714	Politics of International Trade Policy or	3 hrs
INR 4104	Topics and Cases in American Foreign Policy or	3 hrs
INR 4351	International Environmental Law or	3 hrs
INR 4401	International Law I or	3 hrs
INR 4502	International Organizations or	3 hrs
AMH 4512	US Diplomatic History: 1914-1945 or	3 hrs
EUH 4620	European Great Powers: 1815-1914	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 15

#### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.

### Educational Studies - Certificate

#### College of Education

**School of Teaching, Learning, and Leadership,  
Education Building, Room: 220B**

<http://education.ucf.edu/es/>

**E-mail: [wwise@mail.ucf.edu](mailto:wwise@mail.ucf.edu)**

Dr. W. Scott Wise, ED 220B

Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student

success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

#### Certificate Admission Requirements

- None

#### Certificate Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (12 hrs)

EDF 4603	Analysis and Application of Ethical, Legal, and Safety Issues in Schools	3 hrs
EDF 4467	Learning Theory and Assessment	3 hrs
EDG 4410	Teaching Strategies and Classroom Management	3 hrs
RED 4043	Content Reading in Kindergarten through Grade 12	3 hrs

#### Restricted Electives (3 hrs)

##### Choose one:

MAE 4634	Programs in Teaching of Mathematics	3 hrs
SSE 4936	Programs in Teaching Social Science	3 hrs
LAE 4464	Survey of Adolescent Literature	3 hrs
LAE 4342	Programs in Teaching Language and Composition	3 hrs
SCE 4361	Programs in Teaching Science	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 15

#### Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

### Finance: Banking - Certificate

#### College of Business Administration

**Department of Finance, Business Administration I,  
Room: 409**

<http://web.bus.ucf.edu/academics/finance/>

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

#### Certificate Admission Requirements

- None

#### Certificate Requirements

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator and a banking faculty member.

#### Prerequisite Courses

- None

#### Required Courses (12 hrs)

FIN 4324	Commercial Bank Management	3 hrs
ACG 3131	Intermediate Financial Accounting I	3 hrs
ACG 3141	Intermediate Financial Accounting II	3 hrs

#### Select 1: (3 hrs)

MAR 3391	Professional Selling or	3 hrs
FIN 4941	Finance Internship	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

**Finance: Corporate Finance - Certificate**

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**

<http://web.bus.ucf.edu/academics/finance/>

\*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.

- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**

- None

**Required Courses**

	<b>(12 hrs)</b>
ACG 3131 Intermediate Financial Accounting I	3 hrs
FIN 3414 Intermediate Corporate Finance	3 hrs
FIN 4941 Finance Internship	3 hrs
ACG 3141 Intermediate Financial Accounting II	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

**Finance: Investments - Certificate**

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**

<http://www.bus.ucf.edu/finance/>

\*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.

- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**

- None

**Required Courses**

	<b>(12 hrs)</b>
FIN 3504 Investment Analysis	3 hrs
FIN 4514 Portfolio Analysis and Management	3 hrs

FIN 4533 Financial Derivatives	3 hrs
FIN 4941 Finance Internship	3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

**Judaic Studies - Certificate**

**College of Arts and Humanities**

**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**

<http://www.judaicstudies.cah.ucf.edu>

**E-mail: judaicst@mail.ucf.edu**

Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

**(15 hrs)**

<b>Language</b>	
HBR 1120 Elementary Modern Hebrew Language and Culture I	4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II	4 hrs
HBR 2200 Intermediate Modern Hebrew I	3 hrs
HBR 2201 Intermediate Modern Hebrew II	3 hrs
HBR 3250 Biblical Hebrew	3 hrs
HBR 3410 Conversational Israeli Hebrew	3 hrs

**Jewish History**

JST 3401 Jewish People in Antiquity	3 hrs
JST 3402 Wanderings: The Jewish People in Dispersion	3 hrs
JST 3550 Introduction of Modernism into Judaism	3 hrs
JST 3481 20th Century Jewish History and Thought	3 hrs
JST 3701 History of the Holocaust	3 hrs
JST 3415 American Jewish History	3 hrs

**Bible**

JST 3120 Hebrew Scriptures	3 hrs
JST 3125 The Book of Job	3 hrs
JST 3126 Romantic Love in the Bible	3 hrs
JST 3144 Dead Sea Scrolls	3 hrs
JST 3190 The Biblical Prophets	3 hrs

**Literature**

JST 3100 The Hebrew Creative Mind	3 hrs
JST 3312 Identity and Genre	3 hrs
JST 3751 Literature of the Holocaust	3 hrs

**Jewish Civilization**

JST 3005 Tenets of Judaism	3 hrs
JST 3121 Classic Texts of Judaism	3 hrs
JST 3210 Kabbalah: Jewish Mysticism	3 hrs
JST 3620 Contemporary Jewish Ethics and Morality	3 hrs

**Culture**

JST 3450 Modern Jewish Experience	3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism	3 hrs
JST 3820 Modern Israeli Culture	3 hrs

## Certificates

Other courses, including special topics, with the approval of the Director

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

### Language Development and Disorders - Certificate

College of Health and Public Affairs

Department of Communication Sciences and Disorders,  
Health and Public Affairs II, Room: 101

<http://www.cohpa.ucf.edu/comdis>

E-mail: [advising@mail.ucf.edu](mailto:advising@mail.ucf.edu)

TBA

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (11 hrs)

LIN 3716	Language Development	3 hrs
SPA 4400	Language Disorders Across the Life Span	3 hrs
LIN 3716L	Language Development Lab	2 hrs
LIN 3673	Grammar & Advanced Prose Style	3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 11

Other Requirements

- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
- At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders
- No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

### Leadership Studies - Certificate

Office of Undergraduate Studies

Office of Interdisciplinary Studies, Classroom I,

Room: 302

<http://www.is.ucf.edu>

E-mail: [is@mail.ucf.edu](mailto:is@mail.ucf.edu)

Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (13 hrs)

Foundation Requirement		4 hrs
LDR 2001	Foundations of Leadership	2 hrs
<sup>1</sup> LDR 2002	Intermediate Foundations of Leadership	2 hrs

<sup>1</sup> PR: LDR 2001

Restricted Requirements 9 hrs

- Choose one course from three of the areas below:

Communication		3 hrs
COM 3011C	Communication and Human Relations or	3 hrs
COM 3120	Organizational Communication or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
COM 4462	Conflict Management	3 hrs

Collaboration 3 hrs

INP 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
<sup>1</sup> SPC 4426	Group Dynamics	3 hrs

Social Relations and Culture 3 hrs

ANT 3541	Biobehavioral Anthropology or	3 hrs
CLP 3143	Abnormal Psychology or	3 hrs
COM 4461	Intercultural Communication or	3 hrs
EXP 3304C	Motivation or	3 hrs
SOP 3004C	Social Psychology or	3 hrs
SOP 3723	Cross Cultural Psychology or	3 hrs
SOP 3742	Psychology of Women or	3 hrs
SOP 3784	Psychology of Diversity	3 hrs

Politics 3 hrs

PAD 3003	Public Administration in American Society or	3 hrs
PAD 4104	Administrative Theory or	3 hrs
PAD 4144	Non-Profit Organizations or	3 hrs
PAF 4754	Interdisciplinary Leadership in Public Affairs or	3 hrs
POS 3413	The American Presidency or	3 hrs
POS 4206	Political Psychology or	3 hrs
PUP 3325	Women and Political Behavior	3 hrs

Ethics 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

<sup>1</sup> 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.

**Marketing: e-Marketing - Certificate**  
**College of Business Administration**  
**Department of Marketing, Business Administration II,**  
**Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**

- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

<b>Required Courses</b>	<b>(6 hrs)</b>
MAR 3721 Technology Applications in Marketing	3 hrs
<sup>1</sup> MAR 4941 Marketing Internship	3 hrs

<sup>1</sup> 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 the six elective marketing hours required in the major.

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

<b>Required Courses</b>	<b>(6 hrs)</b>
MAR 4715 Entertainment Marketing	3 hrs
<sup>1</sup> MAR 4941 Marketing Internship	3 hrs

<sup>1</sup> 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 the six elective marketing hours required in the major.

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

<b>Required Courses</b>	<b>(6 hrs)</b>
MAR 4712 Healthcare Marketing	3 hrs
<sup>1</sup> MAR 4941 Marketing Internship	3 hrs

<sup>1</sup> Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 6

**Other Requirements**

- None

**Marketing: Retailing Management - Certificate**  
**College of Business Administration**  
**Department of Marketing, Business Administration II,**  
**Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**

- Restricted to Marketing majors.
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

<b>Required Courses</b>	<b>(6 hrs)</b>
MAR 4231 Retailing Management	3 hrs
<sup>1</sup> MAR 4941 Marketing Internship	3 hrs

<sup>1</sup> Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 6

**Other Requirements**

- None

**Marketing: Selling and Sales Management - Certificate**  
**College of Business Administration**  
**Department of Marketing, Business Administration II,**  
**Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**

- Restricted to Marketing Majors
- These six hours count as the six elective marketing hours required in the major.

## Certificates

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

MAR 3403	Sales Force Management	3 hrs
<sup>1</sup> MAR 4941	Marketing Internship	3 hrs

<sup>1</sup> Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 6

### Other Requirements

- None

## Marketing: Services Marketing - Certificate

### College of Business Administration

#### Department of Marketing, Business Administration II,

#### Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

### Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses (6 hrs)

MAR 4841	Services Marketing	3 hrs
<sup>1</sup> MAR 4941	Marketing Internship	3 hrs

<sup>1</sup> Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 6

### Other Requirements

- None

## Marketing: Sport Marketing Management - Certificate

### College of Business Administration

#### Department of Marketing, Business Administration II,

#### Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

### Certificate Admission Requirements

- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required for the major.

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses (6 hrs)

MAR 4711	Sport Marketing	3 hrs
<sup>1</sup> MAR 4941	Marketing Internship	3 hrs

<sup>1</sup> Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 6

### Other Requirements

- None

## Military Science - Certificate

### College of Engineering and Computer Science

#### Army ROTC, BLDG 501

LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science.

Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- None

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses (15 hrs)

MSL 4301C	Leadership and Management	4 hrs
MSL 4302C	Officership	4 hrs
AMH 3547	U.S. Military History Since 1900	3 hrs

### Select 1: (4 hrs)

MSL 3201C	Leadership and Problem Solving or	4 hrs
MSL 3202C	Leadership and Ethics	4 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 15

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less than "C-" (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

## Nonprofit Management - Certificate

### College of Health and Public Affairs

#### Department of Public Administration, Health and Public Affairs II, Room: 238

<http://www.cohpa.ucf.edu/pubadm>

**E-mail: pa/ba/bs@mail.ucf.edu**

Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- None



**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 Pub Org	3 hrs

**Restricted Electives**

(3 hrs)

- See advisor for approved courses

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A minimum grade of "C" (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

**Public and Professional Writing - Certificate**

**College of Arts and Humanities**

**Department of Writing and Rhetoric, Colbourn, Room: 301 B**

<http://writingandrhetoric.cah.ucf.edu>

Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

**Certificate Admission Requirements**

**Transfer Notes**

- Grades lower than a "C" (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

**Certificate Requirements**

- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy 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**

<sup>1</sup> ENC 1102	Composition II	3 hrs
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<sup>1</sup> ENC 1102 is a GEP course. It does not count towards the 12 credit hours needed to fulfill the Public and Professional Writing Certificate requirements.

**Required Courses**

(6 hrs)

**Required Core Courses**

ENC 3331	Rhetoric and Civic Engagement	3 hrs
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**Select 1:**

3 hrs

ENC 3250	Professional Writing or	3 hrs
ENC 3241	Writing for the Technical Professional or	3 hrs
ENC 3211	Theory and Practice of Technical Writing	3 hrs

**Restricted Electives**

(3 hrs)

**Public, Professional, and Disciplinary Writing**

3 hrs

- Students must take one of the following courses (if ENC 3250 is taken as core requirement, it cannot count as a restricted elective):
- |          |                             |       |
|----------|-----------------------------|-------|
| ENC 3250 | Professional Writing        | 3 hrs |
| ENC 3311 | Advanced Expository Writing | 3 hrs |

ENC 3310	Magazine Writing I	3 hrs
ENC 3315	Advanced Argumentative Writing	3 hrs
ENC 3351	Writing for Publication	3 hrs
ENC 3454	Topics in Public, Professional, and Disciplinary Writing	3 hrs
ENC 4354	Community Based Research and Writing	3 hrs
ENC 4416	Writing in Digital Environments	3 hrs
ENC 4212	Professional Editing	3 hrs

**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

**Required Courses**

(15 hrs)

REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
REE 4204	Residential Real Estate Finance	3 hrs
REE 4203	Commercial Real Estate Finance	3 hrs

**Select 1:**

3 hrs

MAR 3391	Professional Selling or	3 hrs
<sup>1</sup> REE 4941	Internship	3 hrs

<sup>1</sup> Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 15

**Other Requirements**

- None

## Certificates

### Real Estate: Real Estate Appraisal - Certificate

**College of Business Administration**  
**Dr. P. Phillips School of Real Estate,**  
**Business Administration II, Room: 101**  
**<http://web.bus.ucf.edu/realestate/>**

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.

#### Certificate Admission Requirements

- None

#### Certificate Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

		(15 hrs)
REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
REE 4103	Real Estate Appraisal and Valuation	3 hrs
MAR 3391	Professional Selling	3 hrs
<sup>1</sup> REE 4941	Internship	3 hrs

<sup>1</sup> Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 15

#### Other Requirements

- None

### Real Estate: Real Estate Brokerage - Certificate

**College of Business Administration**  
**Dr. P. Phillips School of Real Estate, Business**  
**Administration II, Room: 101**  
**<http://web.bus.ucf.edu/realestate/>**

\*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

#### Certificate Admission Requirements

- None

#### Certificate Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

		(15 hrs)
REE 3043	Fundamentals of Real Estate	3 hrs
REE 3433	Real Estate Law	3 hrs
REE 4303	Real Estate Investment Analysis	3 hrs
MAR 3391	Professional Selling	3 hrs
<sup>1</sup> REE 4941	Internship	3 hrs

<sup>1</sup> Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 15

#### Other Requirements

- None

### Security Management - Certificate

**College of Health and Public Affairs**  
**Department of Criminal Justice and Legal Studies,**  
**Health and Public Affairs I, Room: 311**  
**E-mail: [cjadvise@mail.ucf.edu](mailto:cjadvise@mail.ucf.edu)**  
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

#### Certificate Admission Requirements

- None

#### Certificate Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

SCC 3311	Security Administration	(12 hrs)	3 hrs
CJT 3803	Security Management		3 hrs
CJT 4843	Risk Management in Criminal Justice/ Private Security		3 hrs
CCJ 4644	White Collar Crime		3 hrs

#### Restricted Electives

- Select one of the following: (3 hrs)

PLA 5937	Seminar in Contemporary Legal Problems	3 hrs
CJE 3444	Crime Prevention	3 hrs
PLA 3277	The Law of Torts	3 hrs
SCC 3316	Special Security Problems	3 hrs
DSC 4012	Terrorism	3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 15

#### Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

## Service-Learning - Certificate

Office of Undergraduate Studies

Office of Experiential Learning, Ferrell Commons,

Room: 203

<http://www.explearning.ucf.edu>

A. Zeh, azeh@mail.ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

### Certificate Admission Requirements

- None

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

(12 hrs)

#### 4 UCF-approved SL courses

- Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an "SL" and can be accessed under "special groups" in the class schedule.

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 12

### Other Requirements

- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

## Substitute Teaching - Certificate

College of Education

School of Teaching, Learning, and Leadership,

Education Building, Room: 220B

<http://education.ucf.edu/>

E-mail: [wwise@mail.ucf.edu](mailto:wwise@mail.ucf.edu)

Dr. W. Scott Wise, ED 220B

Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

### Certificate Admission Requirements

- None

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

(9 hrs)

- EDF 2007 Introduction to Substitute Teaching 3 hrs

EDF 2250	Classroom Management for Substitute Teachers	3 hrs
EDG 2311	Teaching Strategies for Substitute Teachers	3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 9

### Other Requirements

- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

## Teaching English as a Foreign Language - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,  
Colbourn Hall, Room: 523

<http://ml.cah.ucf.edu>

Dr. K. Folse, 407-823-4555

Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

### Certificate Admission Requirements

- None

### Certificate Requirements

(12 hrs)

- None

### Prerequisite Courses

- None

### Required Courses

(12 hrs)

TSL 3346	English as an International Language	3 hrs
TSL 4240	Issues in Second Language Acquisition	3 hrs
ANT 3610	Language and Culture	3 hrs
TSL 4363	ESL Classroom Experiences	3 hrs

### Restricted Electives

- None

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 12

### Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.

## Translation and Interpretation - Certificate

College of Arts and Humanities

Department of Modern Languages and Literatures,  
Colbourn Hall, Room: 505

<http://ml.cah.ucf.edu/>

E-mail: [forlang@mail.ucf.edu](mailto:forlang@mail.ucf.edu)

Maria Redmon, CNH 512, [mredmon@mail.ucf.edu](mailto:mredmon@mail.ucf.edu), 407-823-5738

### Certificate Admission Requirements

- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

## Certificates

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

SPT 3800	Spanish Translation and Interpretation	3 hrs
SPT 3805	Spanish Translation and Interpretation for Mass Communication	3 hrs
SPT 3809	Medical Spanish Translation/Interpretation	3 hrs
SPT 3831	Spanish Legal Translation and Interpretation	3 hrs

### Restricted Electives

SPN 3933	Spanish Across the Curriculum	1 hr
SPN 4941	Internship	1 hr

Any upper division SPN or SPT course with advisor's approval

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

## Victim Advocacy - Certificate

### College of Health and Public Affairs

### Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311

**E-mail: cjadvice@mail.ucf.edu**

Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- None

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

CCJ 3667	Victims and the CJ System	3 hrs
CCJ 4670	Women and Crime	3 hrs
CCJ 4681	Domestic Violence and the Justice System	3 hrs

### Restricted Electives

■ Select two of the following:		
SYP 4521	Crime Victims in Society	3 hrs
NUR 4516	Crisis Intervention	3 hrs
SOW 4754	Forensic Social Work Theory and Practice	3 hrs
CJJ 4564	Juvenile Justice System	3 hrs
CCJ 4690	Sex Offenders and the Criminal Justice System	3 hrs
CCJ 4129	Cultural Diversity in Criminal Justice	3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 15

### Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate
- At least 12 hours used in the program must be earned at UCF
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit cannot be used toward the certificate.

## Women's Studies - Certificate

### College of Arts and Humanities

### Program in Women's Studies, Colbourn Hall, Room: 411

**<http://womensstudies.cah.ucf.edu>**

**E-mail: womenst@mail.ucf.edu**

Dr. M.C. Santana, 407-823-2269

Phone: 407-823-6502

The certificate program in Women's Studies is designed to provide students with a basic, working knowledge of gender roles and women's issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

### Certificate Admission Requirements

- None

### Certificate Requirements

- None

### Prerequisite Courses

- None

### Required Courses

WST 3015	Introduction to Women's Studies	(3 hrs)
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		3 hrs
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### 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:

- Internship required by a student's major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women's issues.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 12

### Other Requirements

- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of "C" or below will not be counted toward the Women's Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.



# ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

## Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science  
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307

<http://www.mmae.ucf.edu>

E-mail: [mmaeugrad@ucf.edu](mailto:mmaeugrad@ucf.edu)

Dr. Alain Kassab, [alain.kassab@ucf.edu](mailto:alain.kassab@ucf.edu), 407-823-5778

Dr. Kuo-Chi (Kurt) Lin, [kuo-chi.lin@ucf.edu](mailto:kuo-chi.lin@ucf.edu), 407-823-0137

Phone: 407-823-2416

### Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

### Degree Requirements

- None
- 1. UCF General Education Program (GEP) (38 hrs)
  - See Aerospace Engineering major in catalog for GEP requirements.

#### A: Communication Foundations

#### B: Cultural & Historical Foundations

#### C: Mathematical Foundations

#### D: Social Foundations

#### E: Science Foundations

- 2. Common Program Prerequisites (CPP) (19 hrs)

- See Aerospace Engineering major in the catalog for the CPP requirements.

- 3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

- 4. Core Requirements: Advanced Level (54 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3343	Thermodynamics	3 hrs
EMA 3706	Structure and Properties of Aerospace Materials	3 hrs

EGN 3373	Principles of Electrical Engineering	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EAS 3010	Fundamentals of Aerospace Flight	3 hrs
EAS 3101	Fundamentals of Aerodynamics	3 hrs
EAS 3800C	Aerospace Engineering Measurements	3 hrs
EAS 3810C	Design of Aerospace Experiments	3 hrs
EAS 4105	Flight Mechanics	3 hrs
EAS 4134	High-Speed Aerodynamics	3 hrs
EAS 4200	Flight Structures	3 hrs
EAS 4300	Aerothermodynamics of Propulsion Systems	3 hrs

EML 3034C	Modeling Methods in Mechanical and Aerospace Engineering	3 hrs
EML 4312C	Feedback Control	3 hrs
EGM 3601	Solid Mechanics	3 hrs
EAS 4210	Space Structural Dynamics	3 hrs

Select 1:		3 hrs
EAS 3530	Space Systems Concepts or	3 hrs
EAS 4505	Orbital Mechanics	3 hrs

- 5. Restricted Electives (9 hrs)

- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

- 6. Capstone Requirements

- None

- 7. Foreign Language Requirements

### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

- 8. Electives

- None

- 9. Additional Requirements

- None

- 10. Required Minors

- None

- 11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:		3 hrs
EAS 4700C	Aerospace Design I or	3 hrs
EGN 4412C	Interdisciplinary Design I	3 hrs

Select 1:		3 hrs
EAS 4710C	Aerospace Design II or	3 hrs
EGN 4413C	Interdisciplinary Design II	3 hrs

- 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required

- 128

### Total Combined Hours Required

- 146

### Honors in Major

- None

### Related Programs

- Mechanical Engineering

### Certificates

- None

### Related Minors

- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

### Advising Notes

- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.

- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

## Accelerated Undergraduate-Graduate Programs

### Shared Courses

(12 hrs)

■ Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

### Graduate Courses Link

■ <http://www.graduatematerials.ucf.edu/content/Courses.aspx>

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program (B.A.)

### College of Health and Public Affairs

### Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

<http://www.cohpa.ucf.edu/comdis/>

**E-mail: [advising@mail.ucf.edu](mailto:advising@mail.ucf.edu)**

Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

### Admission Requirements

- Completion of the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 18 credit hours of graduate course work will be formally admitted into the master's program in communication sciences and disorders following receipt of the bachelor's degree

### Degree Requirements

- None

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

Prefer MGF 1106 Finite Mathematics 3 hrs

#### Select 1: 3 hrs

Suggested STA 2014C Principles of Statistics or 3 hrs

Suggested STA 2023 Statistical Methods I 3 hrs

#### D: Social Foundations (6 hrs)

Suggested PSY 2012 General Psychology 3 hrs

#### Select 1: 3 hrs

Suggested ECO 2013 Principles of Macroeconomics 3 hrs

or

Suggested ECO 2023 Principles of Microeconomics 3 hrs

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 2XXX Physics Course 3 hrs

### 2. Common Program Prerequisites (CPP)

STA 2014C Principles of Statistics GEP

BSC 1005 Biological Principles GEP

PSY 2012 General Psychology GEP

PHY 2XXX Physics course (GEP)

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (44 hrs)

SPA 3471 Communication Disorders in Literature and Media 3 hrs

SPA 3101 Physiological Bases of Speech and Hearing 3 hrs

SPA 3112 Basic Phonetics 3 hrs

SPA 3112L Basic Phonetics Lab 1 hr

LIN 3716 Language Development 3 hrs

SPA 3011 Speech Science I: Production 3 hrs

SPA 3011L Speech Production lab 1 hr

SPA 3104 Neural Bases of Communication 3 hrs

SPA 3123 Speech Science II: Perception 3 hrs

SPA 3123L Speech Perception Lab 1 hr

SPA 4032 Audiology 3 hrs

SPA 4321 Audiologic Rehabilitation 3 hrs

SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs

DEP 2004C Developmental Psychology 3 hrs

LIN 3716L Language Development Lab 2 hrs

LIN 3713 Language Science 3 hrs

#### Select 1: 3 hrs

EAB 3703C Principles of Behavior Modification or 4 hrs

EEX 4601 Introduction to Behavior Management or 3 hrs

EEC 4604 Classroom Management and Guidance of 3 hrs

Young Children or

EDF 3303 Learning Environments and Guidance for 3 hrs

Young Children or

SPA 3472 Guidance of Young Children with 3 hrs

Communication Disorders

### Statistics Requirement 6 hrs

- Students have two options in completing this requirement:

#### Option 1: 6 hrs

STA 2023 Statistical Methods I and 3 hrs

STA 4163 Statistical Methods II 3 hrs

#### Option 2:

STA 2014C Principles of Statistics and GEP

SPA 4803 Research Methods in Communication 3 hrs

Sciences and Disorders

or

STA 2023 Statistical Methods I and GEP

SPA 4803 Research Methods in Communication 3 hrs

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.

### 6. Capstone Requirements (3 hrs)

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

#### Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

### 8. Electives

- Select 12 hours of electives. A minor or certificate is encouraged.

### 9. Additional Requirements

- None

## 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, the CLAS and nine hours of Summer credit (if applicable)

## Total Undergraduate Hours Required

- 120

## Honors In Major

- Interested students should contact the undergraduate program coordinator.

## Related Programs

- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education

## 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 2014C or STA 2023 to fulfill the first part of the statistics requirement

## Acceptable Substitutes for Transfer Courses

- None

## Shared Courses

(18 hrs)

SPA 6204	Articulation/Phonological Disorders	3 hrs
SPA 6402	Preschool Language Disorders	3 hrs
SPA 6403	School-Aged Language Disorders	3 hrs
SPA 6410	Aphasia and Related Disorders	3 hrs
SPA 6503C	Entry-Level Clinical Practicum	3 hrs
SPA 6805	Research in Communicative Disorders	3 hrs

## Graduate Courses Link

- None

## Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oegas.ucf.edu/alcl/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alcl/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>**

**E-mail: [eecepe-grad@eecs.ucf.edu](mailto:eecepe-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)

<b>Computer Engineering: Basic Core</b>		<b>2 hrs</b>
EGN 1007C	Engineering Concepts and Methods	1 hr
EGN 1006C	Introduction to the Engineering Profession	1 hr

#### 4. Core Requirements: Advanced Level (54 hrs)

#### Courses Required for the Engineering Core (6 hrs)

EGN 3310	Engineering Analysis-Statics	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP

#### Select 1: (3 hrs)

EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

#### Courses Required for the Major (48 hrs)

COT 3100C	Introduction to Discrete Structures	3 hrs
COP 3502C	Computer Science I	3 hrs
COP 3503C	Computer Science II	4 hrs
COP 3330	Object Oriented Programming	3 hrs
COP 4331C	Processes for Object-Oriented Software	4 hrs
	Development	
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 4768C	Computer Architecture	4 hrs
EEL 4781	Computer Communication Networks	3 hrs
COP 4600	Operating Systems	3 hrs

#### 5. Restricted Electives (9 hrs)

- Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

#### 6. Capstone Requirements (6 hrs)

EEL 4914	Senior Design I	3 hrs
EEL 4915L	Senior Design II	3 hrs

## Accelerated Undergraduate-Graduate Programs

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required

- 128

#### Total Combined Hours Required

- 152

#### Honors In Major

- None

#### Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates

- None

#### Related Minors

- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

#### Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

#### Transfer Notes

- None

#### Acceptable Substitutes for Transfer Courses

- None

#### Shared Courses

(12 hrs)

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

#### Graduate Courses Link

- None

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.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

## 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](mailto:foroosh@eecs.ucf.edu)

Diane Ashley, [eecepe-grad@eecs.ucf.edu](mailto:eecepe-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
COP 3402	Systems Software	3 hrs
COT 3960	CS Foundation Exam	0 hrs

#### 4. Core Requirements: Advanced Level (20 hrs)

- A "C" (2.0) or better is required in all courses listed. Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

COP 4331C	Processes for Object-Oriented Software Development	4 hrs
EEL 4768C	Computer Architecture	4 hrs
COT 4210	Discrete Structures II	3 hrs
COP 4020	Programming Languages I	3 hrs
COP 4600	Operating Systems	3 hrs
COT 4810	Topics in Computer Science	3 hrs

#### 5. Restricted Electives (15 hrs)

##### 5000 level Computer Science courses 9 hrs

- Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

##### 4000-5000 level mathematics or statistics 6 hrs

- courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.

- No independent study hours, internship, or cooperative education hours are allowed.

MAC 2313	Calculus with Analytic Geometry III	4 hrs
MAP 2302	Differential Equations	3 hrs





## Accelerated Undergraduate-Graduate Programs

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, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required

- 120

#### Total Combined Hours Required

- 138

#### Honors In Major

- None

#### Related Programs

- Computer Engineering
- Information Technology

#### Certificates

- None

#### Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

#### Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

#### Transfer Notes

- None

#### Acceptable Substitutes for Transfer Courses

- None

#### Shared Courses (12 hrs)

- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

#### Graduate Courses Link

- None

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.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

## Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

### College of Engineering and Computer Science

### Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439

<http://www.eecs.ucf.edu>

Dr. Ronald DeMara, [demara@eecs.ucf.edu](mailto:demara@eecs.ucf.edu)  
Diana Ashley, [eecepe@eecs.ucf.edu](mailto:eecepe@eecs.ucf.edu)

Phone: 407-823-3327

#### Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

#### Degree Requirements

- None

#### 1. UCF General Education Program (GEP) (38 hrs)

- See Electrical Engineering major in the catalog for track specific GEP requirements.

#### A: Communication Foundations

#### B: Cultural & Historical Foundations

#### C: Mathematical Foundations

#### D: Social Foundations

#### E: Science Foundations

#### 2. Common Program Prerequisites (CPP) (19 hrs)

- See Electrical Engineering major in the catalog for the CPP requirements.

#### 3. Core Requirements: Basic Level (2 hrs)

##### Engineering Core: Basic 2 hrs

EGN 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 12 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.

EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3420	Engineering Analysis	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
PHY 3101	Physics for Engineers and Scientists III	3 hrs

#### Select 1: 3 hrs

EGN 3321	Engineering Analysis-Dynamics or	3 hrs
EGN 3358	Thermo-Fluids-Heat Transfer	3 hrs

#### Courses Required for the Major 41 hrs

EEL 3004	Electrical Networks	3 hrs
EEL 3123C	Networks and Systems	4 hrs
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
	Fundamentals	
EEL 3657	Linear Control Systems	3 hrs
EEL 3801C	Computer Organization	3 hrs

## Accelerated Undergraduate-Graduate Programs

EEE 4309C	Electronics II	4 hrs
EEL 4750	Digital Signal Processing Fundamentals	3 hrs
EEL 4742C	Embedded Systems	4 hrs

### 5. Restricted Electives (10 hrs)

■ Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements (6 hrs)

EEL 4914	Senior Design I	3 hrs
EEL 4915L	Senior Design II	3 hrs

### 7. Foreign Language Requirements

#### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required

■ 128

#### Total Combined Hours Required

■ 146

#### Honors In Major

■ None

#### Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates

■ None

#### Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

#### Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

#### Transfer Notes

■ None

#### Acceptable Substitutes for Transfer Courses

■ None

#### Shared Courses

■ Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

#### Graduate Courses Link

■ None

#### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.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

## History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

### College of Arts and Humanities

**Department of History, Colbourn Hall, Room: 551**

**<http://www.history.cah.ucf.edu/>**

**E-mail: Graduate program: [hisgrad@mail.ucf.edu](mailto:hisgrad@mail.ucf.edu)**

**E-mail: Undergraduate program: [history@mail.ucf.edu](mailto:history@mail.ucf.edu)**

Dr. Rosalind Beiler, 407-823-2225

Phone: 407-823-2224

Purpose of this degree - This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master's degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

#### Admission Requirements

■ Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.

■ A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.

■ Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.

■ Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.

■ Students will be formally admitted to the master's program following receipt of the B.A. degree.

#### Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog.

■ Students must earn at least a "B" (3.0) in each history course for it to be counted toward the major.

■ Co-op credit cannot be used in this major.

■ Students should consult with the departmental graduate director.

■ Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.

■ Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.

■ The B.A. will be awarded after completion of 36 hours of history classes.

■ The M.A. will be awarded upon completion of the program.

■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

#### 1. UCF General Education Program (GEP) (36 hrs)

■ See the History major in this catalog for track specific GEP requirements

# Accelerated Undergraduate-Graduate Programs

## A: Communication Foundations

## B: Cultural & Historical Foundations

## C: Mathematical Foundations

## D: Social Foundations

## E: Science Foundations

### 2. Common Program Prerequisites (CPP)

- See "Common Prerequisites" in the Transfer and Transitions

Services section for more information.

<sup>1</sup> AMH 2010	U.S. History: 1492-1877	GEP
<sup>1</sup> AMH 2020	U.S. History: 1877-Present	GEP

<sup>1</sup> See Transfer Notes for possible substitutes

### 3. Core Requirements: Basic Level (6 hrs)

Select one of the following sequences of courses:

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
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### 5. Restricted Electives (21 hrs)

- (Must be taken within the History Department)

Select six hours of approved history courses within 18 hrs

three of the four geographic regions:

- Asian, African, and Middle Eastern
- British and European
- Latin American
- U.S. and Canadian

Select three hours of approved history courses 3 hrs

- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

#### Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department's M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

#### Graduate Degree Requirements

- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:

- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.

- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.

- Students complete and defend a master's thesis in six hours.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student's written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required

- 120

### Total Combined Hours Required

- 147

### Honors In Major

- None

### Related Programs

- Humanities

### Certificates

- None

### Related Minors

- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women's Studies

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- None

### Graduate Courses Link

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/aic/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

# Accelerated Undergraduate-Graduate Programs

## Industrial Engineering - Accelerated Undergraduate-Graduate Program (B.S.) College of Engineering and Computer Science Department of Industrial Engineering and Management Systems, Engineering II, Room: 312 <http://www.iems.ucf.edu/>

Dr. William Thompson, [william.thompson@ucf.edu](mailto: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)
- E: Science Foundations (7 hrs)
- 2. Common Program Prerequisites (CPP) (19 hrs)
  - See Industrial Engineering major in the Catalog for the CPP requirements.
  - See "Common Prerequisites" in the Transfer and Transitions section for more information.

### 3. Core Requirements: Basic Level (60 hrs)

**Industrial Engineering Core: Basic** 2 hrs  
 ■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGN 1006C	Introduction to the Engineering Profession	1 hr
EGN 1007C	Engineering Concepts and Methods	1 hr

### 4. Core Requirements: Advanced Level (58 hrs)

**Courses Required for the Major** 58 hrs  
 ■ Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A "C" (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A "B" (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

<sup>1</sup> COP 3223	Introduction to Programming with C	3 hrs
EGN 3310	Engineering Analysis-Statics	3 hrs
EGN 3321	Engineering Analysis-Dynamics	3 hrs
EGN 3373	Principles of Electrical Engineering	3 hrs
EGN 3613	Engineering Economic Analysis	2 hrs
<sup>2</sup> EIN 5108	The Environment of Technical Organizations	3 hrs
STA 3032	Probability and Statistics for Engineers	GEP
EIN 3001	Introduction to Industrial Engineering and Management Systems	3 hrs
EIN 3314	Work Analysis and Design	3 hrs
EIN 3354	Principles of Cost Engineering	3 hrs
EIN 4243C	Human Engineering	3 hrs
EIN 4333	Production and Distribution Systems	3 hrs
EIN 4364	Facilities Planning	3 hrs
EIN 4391	Manufacturing Engineering	3 hrs
EIN 4517	Systems Engineering	3 hrs
ESI 4221	Empirical Methods for Industrial Engineering	3 hrs
ESI 4234	Quality Engineering	3 hrs
<sup>3</sup> ESI 5306	Operations Research	3 hrs
<sup>4</sup> ESI 5531	Discrete Systems Simulation	3 hrs
ESI 4628C	Industrial Engineering Applications of Computers	3 hrs

<b>Select 1:</b>		<b>3 hrs</b>
EGN 3358	Thermo-Fluids-Heat Transfer or	3 hrs
EGN 3343	Thermodynamics	3 hrs

<sup>1</sup> 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.

<sup>2</sup> Substitute for EGN 4624

<sup>3</sup> Substitute for ESI 4312

<sup>4</sup> Substitute for ESI 4523C

### 5. Restricted Electives (4 hrs)

- Three (3) hours of technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

EIN 4516C	Systems Analysis and Design	3 hrs
EIN 4891C	Industrial Engineering Senior Design Project	3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Undergraduate Hours Required

- 128

#### Total Combined Hours Required

- 146

#### Honors In Major

- None

#### Related Programs

- None

#### Certificates

- None

#### Related Minors

- None

#### Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

#### Transfer Notes

- None

#### Acceptable Substitutes for Transfer Courses

- None

# Accelerated Undergraduate-Graduate Programs

## 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/alcl/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alcl/academic_learning_compacts.htm)

## Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.) College of Engineering and Computer Science Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307 <http://www.mmae.ucf.edu>

Dr. Alain Kassab, [alain.kassab@ucf.edu](mailto:alain.kassab@ucf.edu), 407-823-5778

Dr. Kuo-Chi (Kurt) Lin, [kuo-chi.lin@ucf.edu](mailto:kuo-chi.lin@ucf.edu), 407-823-0137

Phone: 407-823-2416

## Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

## Degree Requirements

■ None

1. UCF General Education Program (GEP) (38 hrs)  
■ See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)  
B: Cultural & Historical Foundations (9 hrs)  
C: Mathematical Foundations (7 hrs)  
D: Social Foundations (6 hrs)  
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

■ See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)  
EGN 1006C Introduction to the Engineering Profession 1 hr  
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)  
EGN 3310 Engineering Analysis-Statics 3 hrs  
EGN 3321 Engineering Analysis-Dynamics 3 hrs  
EGN 3343 Thermodynamics 3 hrs  
EGN 3365 Structure and Properties of Materials 3 hrs  
EGN 3373 Principles of Electrical Engineering 3 hrs  
STA 3032 Probability and Statistics for Engineers GEP  
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

EML 3303C Mechanical Engineering Measurements 3 hrs  
EML 4312C Feedback Control 3 hrs  
EML 3500 Machine Design and Analysis 3 hrs  
EGM 3601 Solid Mechanics 3 hrs  
EML 3701 Fluid Mechanics I 3 hrs  
EML 4142 Heat Transfer 3 hrs  
EML 4220 Vibration Analysis 3 hrs  
EML 4535C CAD/CAM 3 hrs

■ Select one of the following three options for your senior year to complete your BSME:

**Energy Systems Option** 21 hrs  
EML 3101 Thermodynamics of Mechanical Systems 3 hrs  
**and**  
EML 4304C Design of Thermo-Fluid Experiment and 2 hrs  
EML 4703 Fluid Mechanics II and 3 hrs  
EML 4145 Topics in Heat Transfer and 2 hrs  
EML 4221C Mechanical Systems Experimental 2 hrs  
Techniques and  
Approved Electives (5000 level course) 9 hrs

**Mechanical Systems Option** 21 hrs  
EML 4304C Design of Thermo-Fluid Experiment and 2 hrs  
EML 3262 Kinematics of Mechanisms and 3 hrs  
EGM 3601L Solid Mechanics Lab and 2 hrs  
EML 4221C Mechanical Systems Experimental 2 hrs  
Techniques and  
Approved Electives (5000 level course) 12 hrs

**Materials Option** 21 hrs  
EMA 3012C Experimental Techniques in Mechanics and 3 hrs  
Materials and  
EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs  
and  
EMA 3124 Design and Selection of Materials and 3 hrs  
EMA 4223 Fundamentals of Mechanical Behavior of 3 hrs  
Materials and  
Approved Electives (5000 level course) 9 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: 3 hrs  
EML 4501C Engineering Design I or 3 hrs  
EGN 4412C Interdisciplinary Design I 3 hrs

Select 1: 3 hrs  
EML 4502C Engineering Design II or 3 hrs  
EGN 4413C Interdisciplinary Design II 3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required

■ 128

## Accelerated Undergraduate-Graduate Programs

### Total Combined Hours Required

- 146

### Honors In Major

- None

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

### Career and Academic Advising

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EML 3990	Mechanical Career and Academic Faculty Advising I	0 hrs
EML 4991	Mechanical Career and Academic Faculty Advising II	0 hrs

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of "B" (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

### Graduate Courses Link

- <http://www.graduatecatalog.ucf.edu/content/Courses.aspx>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oas.ucf.edu/alca/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alca/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$45 per term
- Full-Time Student: \$90 per term

## Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

### College of Nursing

#### UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu>

**E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)**

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Assoc. Dean Undergraduate

Patricia Leli, Undergraduate Coordinator

Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university. Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

### Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program

- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit <http://www.nursing.ucf.edu/>.

- Application to the university must also be submitted by the program application deadline.

- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.

- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar's Office. These students complete the "Readmission Application" form.

- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.

- All applicants must have a minimum overall GPA of 3.0

- Applicants are encouraged to attend an information session, prior to submitting the application.

- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at <http://www.nursing.ucf.edu/>.

- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

### Group A

■ grade of C (2.0) or better	
Microbiology with Lab	4 hrs
Anatomy with Lab	4 hrs
Physiology with Lab (or A&P I, II)	4 hrs
<sup>1</sup> CHM 1032 General Chemistry	3 hrs

<sup>1</sup> or other approved Life/Physical Science

### Group B

■ grade of C (2.0) or better	
Sociology or	3 hrs
Psychology	3 hrs
Developmental Psychology	3 hrs
Human Nutrition	3 hrs
Statistics	3 hrs

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.

- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.

- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.

- UCF Residency requirement: 30 hours (if applicable)

### 1. UCF General Education Program (GEP)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

### 2. Common Program Prerequisites (CPP) (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.

<sup>1</sup> MCB	Microbiology for Health Professionals	4 hrs
2004C		
<sup>2</sup> CHM 1032	General Chemistry	3 hrs
<sup>1</sup> ZOO	Human Anatomy	4 hrs
3733C		

## Accelerated Undergraduate-Graduate Programs

1 PCB 3703C	Human Physiology	4 hrs
HUN 3011	Human Nutrition	3 hrs
<b>Select 1:</b>		<b>3 hrs</b>
STA 2014C	Principles of Statistics or	3 hrs
STA 2023	Statistical Methods I	3 hrs
<b>Select 1:</b>		<b>3 hrs</b>
SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs
<b>Select 1:</b>		<b>3 hrs</b>
PSY 2012	General Psychology or	3 hrs
SYG 2000	Introduction to Sociology	3 hrs

<sup>1</sup> science prerequisite

<sup>2</sup> or other approved physical or life science prerequisite

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (57 hrs)

- Any variation from the following must be approved by the College of Nursing.

NUR 3065	Health Assessment	2 hrs
NUR 3065L	Health Assessment Lab	1 hr
NUR 3825	The Role of the Professional Nurse	2 hrs
NUR 3028	Essentials of Nursing Practice	2 hrs
NUR 3028L	Essentials of Nursing Practice Lab	1 hr
NUR 3755L	Essentials of Nursing Practice Clinical	2 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 3634L	Community Health Nursing Clinical	2 hrs
NUR 3125	Pathophysiology for Nursing Practice	3 hrs
NUR 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
<sup>1</sup> NUR 3167	Accelerated Nursing Research Seminar	1 hr
NUR 4227	Nursing Care of the Adult II	4 hrs
NUR 4227L	Nursing Care of the Adult II: Clinical Practice	3 hrs
NUR 4829	Accelerated Transitioning into Professional Practice as a Leader	3 hrs
NUR 4257	Introduction to Critical Care Nursing	3 hrs
NUR 4945L	Nursing Practicum	4 hrs
NUR 4535	Psychiatric Mental Health Nursing	3 hrs
NUR 4535L	Psychiatric Mental Health Clinical	2 hrs
NUR 4637	Public Health Nursing	2 hrs
NUR 4637L	Public Health Nursing Clinical	1 hr

<sup>1</sup> Students without a research course on transcript must take NUR 3165 (3 hrs)

### 5. Restricted Electives (3 hrs)

#### Nursing Elective 3 hrs

- Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- None

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required

- 57

### Honors In Major

- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

### Related Programs

- Health Services Administration
- Social Work

### Certificates

- None

### Related Minors

- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

### Advising Notes

- None

### Transfer Notes

- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or physical or life science course (3 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- None

### Graduate Courses Link

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
[http://www.oeads.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeads.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term

## Accelerated Undergraduate-Graduate Programs

### Nursing - R.N. to M.S.N. Option (B.S.N.)

#### College of Nursing

UTWR, Room: 3rd floor

<http://www.nursing.ucf.edu/>

E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.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.

#### Admission Requirements

Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at <http://www.nursing.ucf.edu/> for application materials.

#### All applicants must meet the following criteria:

- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement

#### Interim Requirements:

- Maintain a Nursing GPA of 3.0

#### Admission Requirements for Graduate Program Phase:

- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

#### 1. UCF General Education Program (GEP) (36 hrs)

<b>A: Communication Foundations (9 hrs)</b>		
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)

<b>C: Mathematical Foundations (6 hrs)</b>		
Prefer	MAC 1105C	College Algebra 3 hrs
Required	STA 2014C	Principles of Statistics 3 hrs

#### D: Social Foundations (6 hrs)

<b>Select 1: (3 hrs)</b>		
<sup>1</sup> Prefer	SYG 2000	Introduction to Sociology or 3 hrs
<sup>1</sup> Prefer	PSY 2012	General Psychology 3 hrs
<b>Select 1: (3 hrs)</b>		
Prefer	ECO 2013	Principles of Macroeconomics 3 hrs
		or
Prefer	ECO 2023	Principles of Microeconomics 3 hrs
		or
Prefer	POS 2041	American National Government 3 hrs

<sup>1</sup> One of these courses is required to meet General Education requirements.

#### E: Science Foundations (6 hrs)

Suggested	BSC 2010C	Biology I 4 hrs
<sup>1</sup> Required	CHM 1032	General Chemistry 3 hrs

<sup>1</sup> or other physical or life science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011)

#### 2. Common Program Prerequisites (CPP) (18 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.		
MCB 2004C	Microbiology for Health Professionals	4 hrs
<sup>1</sup> CHM 1032	General Chemistry	GEP
<sup>2</sup> ZOO 3733C	Human Anatomy	4 hrs
<sup>2</sup> PCB 3703C	Human Physiology	4 hrs
HUN 3011	Human Nutrition	3 hrs

<b>Select 1:</b>		
<sup>3</sup> STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

<b>Select 1:</b>		
SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

<b>Select 1:</b>		
PSY 2012	General Psychology or	GEP
SYG 2000	Introduction to Sociology	GEP

<sup>1</sup> Or other physical or life science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.  
<sup>2</sup> May take Anatomy and Physiology sequence of six-eight total credits.  
<sup>3</sup> Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

#### 3. Core Requirements: Basic Level

■ None		
<b>4. Core Requirements: Advanced Level (30 hrs)</b>		
NUR 3805	Dimensions of Professional Nursing Practice	3 hrs
NUR 3165	Nursing Research	3 hrs
NUR 3634	Community Health Nursing	3 hrs
NUR 4837	Health Care Issues, Policy, and Economics	3 hrs
NUR 4604L	Practicum in Community and Public Health Nursing for RNs	4 hrs
NUR 4637	Public Health Nursing	2 hrs

#### NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS 12 hrs

■ Take the following 12 credits (nine graduate credits also applied to MSN)		
NGR 5003	Advanced Health Assessment and Diagnostic Reasoning and	2 hrs
NGR 5003L	Advanced Health Assessment and Diagnostic Reasoning (Lab) and	1 hr
NGR 5638	Health Promotion and	3 hrs
NGR 5141	Pathophysiological Bases for Advanced Nursing Practice and	3 hrs
NUR 4828	Nursing Leadership, Management and Role Transition	3 hrs



## Accelerated Undergraduate-Graduate Programs

### NURSING LEADERSHIP & MANAGEMENT TRACK

12 hrs

- Takes the following 12 credits (nine graduate credits also applied to MSN)
- NGR 5720 Organizational Dynamics and 3 hrs
- NGR 5871 Health Care Informatics and 3 hrs
- NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
- NUR 3065 Health Assessment and 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

### 5. Restricted Electives

#### Upper Division Credit

27 hrs

- May be met by validation
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

#### Graduation

- None

### 8. Electives

- Variable to meet degree requirements.

### 9. Additional Requirements

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "B" (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Health Services Administration

### Certificates

- Aging Studies

### Related Minors

- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

### Advising Notes

- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

### Transfer Notes

- A maximum of 6 credit hours of Nursing Curriculum may be transferred from another institution.

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- None

### Graduate Courses Link

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term



# STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

The University offers five specialized degree programs for students who have graduated from a Florida public community college with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing. Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.
2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.
3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.
4. Students should write on the front of their application for admission to UCF, "A.S. - B.A./B.S." or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.
5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

**Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.**

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule and CLAS prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor's degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising (407) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

## Applied Science (BAS) A.S. to B.S. Track (B.A.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies, 12201 Research Parkway, Room: Suite 101

<http://www.regionalcampuses.ucf.edu/>

Helen Hill, Director, Regional Campus Advising, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with "general education requirements met" on the transcript and sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. 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 program only for individuals who have a statewide articulated A.S. from a Florida public community college.)

### Admission Requirements

- Completion of an A.S. degree from a Florida public community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAS, Gordon Rule, Foreign Language Admission and General Education.

1. UCF General Education Program (GEP)	(36 hrs)
■ Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:	
A: Communication Foundations	(9 hrs)
B: Cultural & Historical Foundations	(9 hrs)
C: Mathematical Foundations	(6 hrs)
D: Social Foundations	(6 hrs)
E: Science Foundations	(6 hrs)
2. Common Program Prerequisites (CPP)	
■ None	
3. Core Requirements: Basic Level	(10 hrs)
MAN 3025 Management of Organizations	4 hrs
Select 1:	4 hrs
BUL 3130 Legal and Ethical Environment of Business	4 hrs
or	
PLA 3014 Law and the Legal System	3 hrs
Select 1:	3 hrs
ENC 3241 Writing for the Technical Professional or	3 hrs
ENC 3250 Professional Writing	3 hrs
4. Core Requirements: Advanced Level	
■ None	
5. Restricted Electives	
■ Area of Concentration (Choose one)	
■ All tracks are not available at all locations.	
Supervision and Administration Track	19 hrs
Take all of the following:	19 hrs
INP 3004C Industrial/Organizational Psychology and	3 hrs
MAR 3023 Marketing and	4 hrs
MAN 3302 Essentials of Human Resource	3 hrs
Management for Non-Business Majors and	
MAN 3354 Employee Training for Non-Business	3 hrs
Majors and	
ACG 3082 Accounting For Non-Business Majors and	3 hrs
Restricted Elective (Consult with Program Advisor)	3 hrs

## Statewide Articulated A.S. To B.S. Programs

<b>Industrial Operations Track</b>	<b>21 hrs</b>
■ Students are strongly urged to complete STA 2023 within the general education program.	
<b>Take all of the following:</b>	<b>21 hrs</b>
ETI 3116 Applied Engineering Quality Assurance	3 hrs
ETI 3671 Technical Economic Analysis	3 hrs
ETI 4186 Applied Reliability	3 hrs
ETI 4635 Technical Administration	3 hrs
ETI 4640 Operations Management for Technologists	3 hrs
ETI 4448 Applied Project Management	3 hrs
CET 3010 Introduction to Information Technology	3 hrs

<b>Criminal Justice Track</b>	<b>18 hrs</b>
CCJ 3024 Criminal Justice System	3 hrs
CCJ 3014 Crime in America	3 hrs

<b>Select 2:</b>	<b>6 hrs</b>
CJL 3510 Prosecution and Adjudication	3 hrs
CJC 3010 Corrections and Penology	3 hrs
CJE 4014 Police and Society	3 hrs
Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor	6 hrs

<b>Legal Studies Track</b>	<b>18 hrs</b>
<b>Take all of the following:</b>	<b>6 hrs</b>
PLA 3014 Law and the Legal System	3 hrs
PLA 3108 Legal Research	3 hrs

<b>Select 4:</b>	<b>12 hrs</b>
PLA 3155 Legal Writing	3 hrs
PLA 3205 Civil Practice and Procedure	3 hrs
PLA 3277 The Law of Torts	3 hrs
PLA 3309 Criminal Procedure	3 hrs
PLA 4424 The Law of Contracts	3 hrs
PLA 4703 Professional Ethics and Liability	3 hrs

<b>Health Services Administration</b>	<b>18 hrs</b>
<b>Take all of the following:</b>	<b>15 hrs</b>
<sup>1</sup> HSA 3111 U.S. Health Care Systems	3 hrs
HSC 4201 Community Health	3 hrs
HSA 4180 Organization & Management for Health Agencies I	3 hrs
<sup>2</sup> HSA 4191 Health Care Automation	3 hrs
<sup>3</sup> HSC 4500 Epidemiology	3 hrs

<b>Select 1:</b>	<b>3 hrs</b>
HSC 4652 Health Law and Ethics	3 hrs
HSA 4109 Principles of Managed Care	3 hrs
HSA 4502 Risk Management Systems	3 hrs
HSA 4702 Health Sciences Research Methods	3 hrs
HIM 4508C Quality Management	3 hrs

<sup>1</sup> HSA 3111 is a prerequisite for all of the following classes

<sup>2</sup> PR: CGS 2100C

<sup>3</sup> PR: STA 2014C or STA 2023

<b>Information Technology Track</b>	<b>21 hrs</b>
■ 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.	

<b>Take all of the following:</b>	<b>21 hrs</b>
<sup>1</sup> CET 3383 Applied Systems Analysis I	3 hrs
<sup>1</sup> CET 4427 Applied Database I	3 hrs
ETI 4448 Applied Project Management	3 hrs
CET 4748 Wide Area Networks I	3 hrs
CET 4749 Wide Area Networks II	3 hrs
<sup>2</sup> CET 4663 Computer and Network Security	3 hrs
<sup>1</sup> CET 4483 Intro to Local Area Network Technology	3 hrs

<sup>1</sup> PR: Object oriented programming course with COP prefix or equivalent or C.I.

<sup>2</sup> PR: CET 4483, and MAC 1105

<b>Early Childhood Education Track</b>	<b>21 hrs</b>
<b>Take all of the following:</b>	<b>21 hrs</b>
EEC 3700 Social and Emotional Development of Young Children	3 hrs
RED 3310 Early Reading, Writing and Language Arts	3 hrs
EEC 4268 Curriculum Activities in Early Childhood	3 hrs
<sup>1</sup> EEC 4604 Classroom Management and Guidance of Young Children	3 hrs
EEX 4751 Parent Involvement in Education	3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools	3 hrs
EEX 3450 Young Children With Special Needs	3 hrs

<sup>1</sup> PR: EEC 3700

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 120

### Honors In Major

■ None

### Related Programs

■ None

### Certificates

■ None

### Related Minors

■ None

### Advising Notes

■ None

### Transfer Notes

- Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

## Statewide Articulated A.S. To B.S. Programs

■ All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

### Acceptable Substitutes for Transfer Courses

■ None

### Plan of Study

■ None

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

## Criminal Justice - A.S. to B.S. Track (B.S.M.S.)

### College of Health and Public Affairs

### Department of Criminal Justice and Legal Studies,

### Health and Public Affairs, Room: 311

<http://www.cohpa.ucf.edu/crim.jus/>

E-mail: [cjadvice@mail.ucf.edu](mailto:cjadvice@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 earn a minimum of 2.0 GPA in the core requirements and the restricted electives

#### 1. UCF General Education Program (GEP) (36 hrs)

■ Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

#### 2. Common Program Prerequisites (CPP)

■ Completed as part of the approved A.S. program

■ See "Common Prerequisites" in the Transfer and Transition Services section.

#### 3. Core Requirements: Basic Level

■ None

#### 4. Core Requirements: Advanced Level (18 hrs)

CCJ 3024	Criminal Justice System	3 hrs
CCJ 3014	Crime in America	3 hrs
CJL 3510	Prosecution and Adjudication	3 hrs
CJC 3010	Corrections and Penology	3 hrs
CJE 4014	Police and Society	3 hrs
CCJ 4701	Research Methods in Criminal Justice	3 hrs

#### 5. Restricted Electives (30 hrs)

■ 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

■ 3 additional semester hours of supporting courses to be selected with and approved by the student's advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ None

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 130

### Honors In Major

■ None

### Related Programs

■ Legal Studies

### Certificates

■ None

### Related Minors

■ Legal Studies

■ Public Administration

■ Psychology

### Advising Notes

■ None

### Transfer Notes

■ None

### Acceptable Substitutes for Transfer Courses

■ None

### Plan of Study

■ None

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.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.

## Statewide Articulated A.S. To B.S. Programs

### Admission Requirements

■ Completion of a Statewide Articulated A.S. in Business Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

### Degree Requirements

- Must complete all Gordon Rule and CLAS requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

#### 1. UCF General Education Program (GEP) (12 hrs)

■ Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

#### A: Communication Foundations

Prefer	SPC 1608	Fundamentals of Oral Communication	3 hrs
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#### 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
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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
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
GEB 3375	Introduction to International Business	4 hrs
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs
MAR 3203	Supply Chain Management	4 hrs

<sup>1</sup> Required in 1st or 2nd semester.

<sup>2</sup> Must be taken with GEB 3031

#### 5. Restricted Electives (15 hrs)

- Students must take at least one course from each of the following areas. These five courses are restricted to the courses listed below.
- At least two of the following courses must be at the 4000 level.

<b>Finance</b>		<b>3 hrs</b>
FIN 3303	Financial Markets or	3 hrs
FIN 3414	Intermediate Corporate Finance or	3 hrs
FIN 3504	Investment Analysis	3 hrs

<b>Management</b>		<b>3 hrs</b>
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

<b>Marketing</b>		<b>3 hrs</b>
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 9 hrs

- 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
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■ This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C	Business Finance	4 hrs
<sup>1</sup> GEB 3031	Cornerstone: Professional Skills for Business	3 hrs
<sup>2</sup> GEB 3031L	Cornerstone Lab: Professional Skills for Business	1 hr
MAN 3025	Management of Organizations	4 hrs
MAR 3023	Marketing	4 hrs

<sup>1</sup> Required in 1st or 2nd semester.

<sup>2</sup> Must be taken with GEB 3031

#### 7. Foreign Language Requirements

##### Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

##### Graduation

- None

##### 8. Electives

- Must be outside of the College of Business (variable)

##### 9. Additional Requirements

- None

##### 10. Required Minors

- None

##### 11. Departmental Exit Requirements

- None

##### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

##### Total Semester Hours Required

- 132

## Statewide Articulated A.S. To B.S. Programs

### Honors In Major

- None

### 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 t

■ 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.oegas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oegas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$15 per term
- Full-Time Student: \$30 per term

## Hospitality Management - A.S. to B.S. Track (B.S.)

### Rosen College of Hospitality Management

#### Department of Hospitality Services,

**9907 Universal Boulevard, Orlando, FL 32819**

**E-mail: [hospitality@mail.ucf.edu](mailto:hospitality@mail.ucf.edu)**

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

### Admission Requirements

■ Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

### Degree Requirements

- None

### 1. UCF General Education Program (GEP) (18 hrs)

■ Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

**A: Communication Foundations**

**B: Cultural & Historical Foundations**

**C: Mathematical Foundations**

**D: Social Foundations**

**E: Science Foundations**

### 2. Common Program Prerequisites (CPP) (3 hrs)

■ See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

### 3. Core Requirements: Basic Level (3 hrs)

MAC 1105C College Algebra 3 hrs

### Select 1: (3 hrs)

CGS 2100C Computer Fundamentals for Business or  
STA 2023 Statistical Methods I GEP  
GEP

### Select 1: (3 hrs)

ECO 2013 Principles of Macroeconomics or  
ECO 2023 Principles of Microeconomics GEP  
GEP

### 4. Core Requirements: Advanced Level (27 hrs)

#### Hospitality Management Core 27 hrs

HFT 3431 Hospitality industry Managerial Accounting 3 hrs

HFT 3540 Guest Services Management I 3 hrs

HFT 4286 Hospitality Communications 3 hrs

HFT 4295 Leadership and Strategic Management in  
Hospitality Industry 3 hrs

HFT 4464 Hospitality Industry Finance 3 hrs

HFT 4941 Internship 1 hr

HFT 4944 Practicum 1 hr

### Select 3 (9 hrs)

HFT 3700 Tourism Management 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 3 hrs

Management

### Guest Lecture (1 hr)

<sup>1</sup> HFT 3933 Distinguished Lectures in Hospitality  
Management 1 hr

<sup>1</sup> See Program Advisor for Options

### 5. Restricted Electives (15 hrs)

■ Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

#### Restricted Electives 15 hrs

■ Students must take 15 credit hours (five courses) from the following:

FSS 3008 Culture and Cuisine 3 hrs

FSS 4135 Corporate Contract and Managed Services  
Organizations 3 hrs

FSS 4286C Catering and Banquet Organization 3 hrs

HFT 3353 Golf Planning & Operations I 3 hrs

HFT 3354 Agronomy for Golf Course Management 3 hrs

HFT 3355 Golf Planning & Operations II 3 hrs

HFT 3357 Golf & Club Event Operations 3 hrs

HFT 3384 Golf and Club Enterprises Management 3 hrs

HFT 3654 Franchising in the Restaurant Industry 3 hrs

HFT 3741 Meeting Management 3 hrs

HFT 3798 Fairs and Festivals 3 hrs

HFT 3868 History and Culture of Wine 3 hrs

HFT 4253 Hotel Operations 3 hrs

HFT 4266 Restaurant Brand Management 3 hrs

HFT 4268 Case Studies in Restaurant Management 3 hrs

HFT 4274 Resort Management 3 hrs

HFT 4281 Restaurant Leadership Strategies and  
Tactics 3 hrs

HFT 4343 Hospitality Facilities Planning and Design 3 hrs

HFT 4358 Golf & Club Facility Design 3 hrs

HFT 4432 Hospitality Industry Auditing 3 hrs

HFT 4473 Hotel Development Analysis 3 hrs

## Statewide Articulated A.S. To B.S. Programs

HFT 4522	Resort Sales Tactics and Strategies	3 hrs
HFT 4532	Managing the Employee Experience in the Theme Park and Attraction Industry	3 hrs
HFT 4561	Destination Marketing	3 hrs
HFT 4614	Risk Management in Theme Parks and Attractions	3 hrs
HFT 4735	Tourism Geography	3 hrs
HFT 4736	Destination Management	3 hrs
HFT 4754	Exhibit and Trade Show Operations	3 hrs
HFT 4759	Product Development in Theme Parks and Attractions	3 hrs
HFT 4762	Current Practices in the Airline Industry	3 hrs
HFT 4786	Managing the Guest Experience in the Theme Park and Attraction Industry	3 hrs
HFT 4787	Operational Issues in the Theme Park and Attraction Industry	3 hrs
HFT 4795	Entertainment Arts and Events	3 hrs
HFT 4796	International Events	3 hrs
HFT 4864	Seminar in Quality Brewing and Fine Beer	3 hrs
HFT 4866C	Exploring Wines of the World	3 hrs
HFT 4894	International Gastronomy	3 hrs
HUN 3013	Nutrition Concepts and Issues in the Food Service Industry	3 hrs

### Specialized Tracks 15 hrs

■ Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

#### Theme Park and Attraction Mgmt Track 15 hrs

HFT 4532	Managing the Employee Experience in the Theme Park and Attraction Industry or Product Development in Theme Parks and Attractions or	3 hrs
HFT 4614	Risk Management in Theme Parks and Attractions or	3 hrs
HFT 4786	Managing the Guest Experience in the Theme Park and Attraction Industry or	3 hrs
HFT 4787	Operational Issues in the Theme Park and Attraction Industry or	3 hrs
HFT 4795	Entertainment Arts and Events	3 hrs

#### Golf and Club Management Track 15 hrs

HFT 3353	Golf Planning & Operations I or	3 hrs
HFT 3354	Agronomy for Golf Course Management or	3 hrs
HFT 3355	Golf Planning & Operations II or	3 hrs
HFT 3357	Golf & Club Event Operations or	3 hrs
HFT 3384	Golf and Club Enterprises Management or	3 hrs
HFT 4358	Golf & Club Facility Design	3 hrs

### 6. Capstone Requirements

■ None

### 7. Foreign Language Requirements

#### Admissions

■ State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation

■ None

### 8. Electives

■ None

### 9. Additional Requirements

■ Grades of "C-" (1.75) or below do not transfer into the Hospitality Management core or restricted electives.

■ It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student's responsibility for dropping courses they do not intend to complete.

■ Final exams will be given during Exam Week only.

### 10. Required Minors

■ None

### 11. Departmental Exit Requirements

■ None

### 12. University Minimum Exit Requirements

■ A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

■ 124

### Honors In Major

■ None

### Related Programs

■ None

### Certificates

■ None

### Related Minors

■ None

### Advising Notes

■ None

### Transfer Notes

■ Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.

■ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.

■ A minimum of 30 semester hours must be completed at UCF within the Hospitality major.

■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses

HFT 2401 Hospitality Industry Financial Accounting 3 hrs

may be substituted with: ACG X001

HFT 2401 Hospitality Industry Financial Accounting 3 hrs

may be substituted with: ACG X011

### Plan of Study

■ None

### Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oear.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oear.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

■ Part-Time Student: \$37.50 per term

■ Full-Time Student: \$75 per term

## Nursing - A.S. to B.S.N. Track (B.S.N.)

### College of Nursing

**UTWR, Room: 3rd floor**

<http://www.nursing.ucf.edu>

**E-mail: [ucfnurse@mail.ucf.edu](mailto:ucfnurse@mail.ucf.edu)**

Dr. Jean Leuner, Dean

Dr. Linda Hennig, Associate Dean

Stephen Heglund, RN-BSN Coordinator

Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

### Admission Requirements

■ Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:

■ A minimum overall undergraduate GPA of 2.5

■ Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section "B" - RN to BSN Program

■ Current RN License or license eligible

# Statewide Articulated A.S. To B.S. Programs

## Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

### 1. UCF General Education Program (GEP) (36 hrs)

- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

#### A: Communication Foundations (9 hrs)

Required	ENC 1101	Composition I	3 hrs
Required	ENC 1102	Composition II	3 hrs
Required	SPC 1608	Fundamentals of Oral Communication	3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

Prefer	MAC 1105C	College Algebra	3 hrs
Required	STA 2014C	Principles of Statistics	3 hrs

#### D: Social Foundations (6 hrs)

Required	SYG 2000	Introduction to Sociology	3 hrs
Required	PSY 2012	General Psychology	3 hrs

#### E: Science Foundations (7 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 1032	General Chemistry	3 hrs

### 2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- |                        |                                       |       |
|------------------------|---------------------------------------|-------|
| <sup>1</sup> CHM 1032  | General Chemistry                     | GEP   |
| HUN 3011               | Human Nutrition                       | 3 hrs |
| MCB 2004C              | Microbiology for Health Professionals | 4 hrs |
| <sup>2</sup> PCB 3703C | Human Physiology                      | 4 hrs |
| <sup>2</sup> ZOO 3733C | Human Anatomy                         | 4 hrs |

#### Select 1:

<sup>3</sup> STA 2014C	Principles of Statistics or	GEP
STA 2023	Statistical Methods I	GEP

#### Select 1:

SOW 3104	Assessing I: Human Development or	3 hrs
DEP 2004C	Developmental Psychology	3 hrs

#### Select 1:

PSY 2012	General Psychology or	GEP
SYG 2000	Introduction to Sociology	GEP

<sup>1</sup> (or other Physical or Life Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.

<sup>2</sup> May take Anatomy and Physiology sequence of six-eight total credits

<sup>3</sup> 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)

<b>UCF Core</b> <b>24 hrs</b>		
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
- |           |   |       |
|-----------|---|-------|
| 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

### 9. Additional Requirements

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.
  - Complete all courses in major with at least a "C" (2.0)
  - Maintain a UCF GPA of 2.5 or above
  - Maintain a College of Nursing GPA of 2.5 or above
- Progression Requirements:**
- Prior to NUR 3805: RN status or eligible to take NCLEX.
  - Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of "C" (2.0) or better.
  - Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) complete foreign language admission requirement.

#### Other:

- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit <http://www.nursing.ucf.edu>.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)



## Statewide Articulated A.S. To B.S. Programs

### Total Semester Hours Required

- 128

### Honors In Major

- None

### Related Programs

- Health Services Administration
- Social Work

### Certificates

- Aging Studies

### Related Minors

- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

### Advising Notes

- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

### Transfer Notes

- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

(30 hrs)

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[http://www.oeas.ucf.edu/alc/academic\\_learning\\_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: \$25 per term
- Full-Time Student: \$50 per term



# COMMON COURSE NUMBERING SYSTEM

## Classification of Courses

The University course numbering system is as follows:

- 0-0999.** Subcollegiate level and not counted in meeting degree requirements.
- 1000-2999.** Freshman and sophomore level courses and are designed primarily for these students.
- 3000-4999. Junior- and senior-level courses** (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.
- 5000-5999. Beginning graduate and advanced undergraduate level courses.** These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).
- 6000-6999. Advanced graduate level courses.** These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor's and master's programs) should check with their adviser before registering for 6000-level courses.
- 7000-7999. Doctoral-level courses.** These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

## Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 28 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at <http://scns.fl DOE.org>.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

## General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses "ENC\_101" to

identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. **NOTE:** Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 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 sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

## Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

### Example of Course Identifier

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
ENC	1	1	0	1	
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 varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- A. Courses not offered by the receiving institution.
- B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Thesis and Dissertations.
- D. College preparatory and vocational preparatory courses.
- E. Graduate courses.
- F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
- G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

### Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (<http://scns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all non-public institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at <http://scns.fldoe.org>.

ABE	Agricultural and Biological Engineering	CCE	Civil Construction Engineering
ABT	Arabic Culture in Translation or Translation Skills	CCJ	Criminology and Criminal Justice
ABW	Arabic Literature (Writings)	CDA	Computer Design/Architecture
ACG	Accounting: General	CEG	Civil Geotechnical Engineering
ACO	Accounting: Occupational/Technical Variable Paced	CEN	Computer Software Engineering
ACR	HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades	CES	Civil Engineering Structures
ADE	Adult Education	CET	Computer Engineering Technology
ADV	Advertising	CGN	Civil Engineering
AEB	Agricultural Economics and Business	CGS	Computer General Studies
AEC	Agricultural Education and Communication	CHD	Home Economics: Child Development
AEE	Agriculture and Extension Education	CHI	Chinese
AER	Automotive Mechanics	CHM	Chemistry
AFA	African-American Studies	CHR	Chiropractic
AFH	African History	CHS	Chemistry - Specialized
AFR	Aerospace Studies	CHT	Chinese Culture in Translation or Translation Skills
AFS	African Studies	CHW	Chinese Literature (Writings)
AGE	Agricultural Engineering (Discontinued Effective 2005)	CIS	Computer Science and Information Systems
AGG	Agriculture - General	CJB	College Level Application in Criminal Justice
AGR	Agronomy	CJC	Corrections
AHM	Amharic Language	CJD	Criminal Justice Development
AHT	Amharic Culture in Translation or Translation Skills	CJE	Law Enforcement
AHW	Amharic Literature (Writings)	CJJ	Juvenile Justice
AKA	Akan Language	CJK	Criminal Justice Basic Training (A.A.S or Vocational)
AKT	Akan Culture in Translation or Translation Skills	CJL	Law & Process
AKW	Akan Literature (Writings)	CJT	Criminal Justice Technologies
ALS	Agriculture and Life Sciences	CLA	Classical and Ancient Studies
AMH	American History	CLP	Clinical Psychology
AML	American Literature	CLT	Classical Culture in Translation or Translation Skills
AMS	American Studies	CMC	Corporate Media Communication
AMT	Aviation Maintenance Technology	CMM	Creek/Muskogee/Mikasuki
ANG	Anthropology--Graduate	CNT	Computer Networks
ANS	Animal Science	COA	Home Economics: Consumer Affairs
ANT	Anthropology	COE	Cooperative Education
AOM	Agricultural Operations Management	COM	Communication
APA	Applied Accounting	COP	Computer Programming
APK	Applied Kinesiology	COS	Cosmetology
ARA	Arabic Language	COT	Computing Theory
ARC	Architecture	CPO	Comparative Politics
ARD	Architectural Design	CPS	Comparative Policy Studies (Multinational)
ARE	Art Education	CPT	Cardiopulmonary Technology
ARH	Art History	CRW	Creative Writing
ARR	Autobody Repair and Refinishing	CSP	Cosmetology - Specialized
ART	Art	CST	Comparative Studies
ARV	Art, Vocational	CTE	Home Economics: Clothing and Textiles
ASC	Aviation Science: General	CTS	Computer Technology and Skills
ASG	Animal Science: General	CVT	Cardiovascular Technology
ASH	Asian History	CWR	Civil Water Resources
ASL	American Sign Language	CYP	Community Psychology
ASN	Asian Studies	CZE	Czech Language
AST	Astronomy	CZT	Czech Culture in Translation or Translation Skills
ATE	Animal Science Technology	CZW	Czech Literature (Writings)
ATF	Aviation Technology: Flight	DAA	Dance, Emphasis On Activity
ATT	Aviation Technology: Theory	DAE	Dance Education
AVM	Aviation Management	DAN	Dance
AVS	Avionics	DAS	Dairy Science (Discontinued Effective 2005)
AYM	Aymara Language	DCP	Design, Construction and Planning
BAN	Commercial Banking (AIB Courses Only)	DEA	Dental Assisting
BCA	Building Construction Apprenticeships	DEC	Marketing and Distributive Education
BCC	Basic Clinical Clerkships (Required)	DEH	Dental Hygiene
BCH	Biochemistry (Biophysics)	DEM	Demography
BCT	Building Construction	DEN	Dentistry
BCN	Building Construction Trades	DEP	Developmental Psychology
BCV	Building Construction: Vocational	DES	Dental Support
BME	Biomedical Engineering	DIE	Dietetics
BMS	Basic Medical Sciences	DIG	Digital Media
BOT	Botany	DIM	Diesel Mechanics
BRC	Banking Related Courses (Not AIB or IFE)	DSC	Domestic Security
BSC	Biological Sciences	DTE	Dental Laboratory Technology
BTE	Business Teacher Education	DUT	Dutch Language
BUL	Business Law	EAB	Experimental Analysis Of Behavior
CAP	Computer Applications	EAP	English As A Second Language for Academic Purposes
CAS	Clinical Audiology and Speech Language Pathology (Disc 8/06)	EAS	Aerospace Engineering
CAT	Catalan Language	EBD	Education: Emotional/Behavioral Disorder
CBH	Comparative Psychology and Animal Behavior	ECH	Engineering: Chemical
		ECM	Engineering: Computer Math



## Common Course Numbering System

ECO	Economics	FIN	Finance	IDD	Interdisciplinary Design
ECP	Economic Problems & Policy	FLE	Foreign Language Education	IDH	Interdisciplinary Honors
ECS	Economic Systems & Development	FNR	Foreslry & Natural Resources	IDN	Indonesian Language
ECT	Education: Career/Technical	FOL	Foreign Languages	IDS	Interdisciplinary Studies
ECW	Education: Career/Workforce	FOR	Foreslry	IDT	Indonesian Culture in Translation or Translation Skills
EDA	Educational Administration	FOS	Food Science	IDW	Indonesian Literature (Writings)
EDE	Education: Elementary	FOT	Foreign Languages (In Translation)	IEA	Industrial Education Applied
EDF	Education: Foundations and Policy Studies	FOW	Foreign Languages, Comparative Literature (Writings)	IHS	Interdisciplinary Health Sciences
EDG	Education: General	FRC	Fruit Crops	IND	Interior Design
EDH	Education: Higher	FRE	French Language	INP	Industrial and Applied Psychology
EDM	Education: Middle School	FRT	French Culture in Translation or Translation Skills	INR	International Relations
EDP	Educational Psychology	FRW	French Literature (Writings)	INS	International Studies
EDS	Education Supervision	FSE	Funeral Services	INT	Sign Language Interpreting
EEC	Education: Early Childhood	FSS	Food Service Systems	IPM	Integrated Pest Management
EED	Education: Emotional Disorders	FYC	Family, Youth and Community	ISC	Interdisciplinary Sciences
EEE	Engineering: Electrical and Electronic	GCO	Golf Course Operations	ISM	Information Systems Management
EEL	Engineering: Electrical	GEA	Geography: Regional Areas	ISS	Interdisciplinary Social Sciences
EER	Electrical/Electronics Repair	GEB	General Business	ITA	Italian Language
EES	Environmental Engineering Science	GEO	Geography: Systematic	ITT	Italian Culture in Translation or Translation Skills
EET	Electronic Engineering Technology	GER	German	ITW	Italian Literature (Writings)
EEV	Electrical/Electronic: Vocational	GET	German Culture in Translation or Translation Skills	JOU	Journalism
EEX	Education: Exceptional Child - Core Competencies	GEW	German Literature (Writings)	JPN	Japanese
EGC	Counselor Education	GEY	Gerontology	JPT	Japanese Culture in Translation or Translation Skills
EGI	Education: Gifted	GFD	Geophysical Fluid Dynamics	JPW	Japanese Literature (Writings)
EGM	Engineering Science	GIS	Geography: Information Science	JST	Jewish/Judaic Studies
EGN	Engineering: General	GLS	Graduate Liberal Studies	KOR	Korean Language
EGS	Engineering: Support	GLY	Geology	KOT	Korean Culture in Translation or Translation Skills
EHD	Education: Hard Of Hearing & Deaf	GMS	Graduate Medical Sciences	KOW	Korean Literature (Writings)
EIA	Education: Industrial Arts	GMT	Modern Greek Culture in Translation or Translation Skills	LAA	Landscape Architecture
EIN	Industrial Engineering	GMW	Modern Greek Literature (Writings)	LAE	Language Arts and English Education
EIV	Education: Industrial/Vocational	GRA	Graphic Arts	LAH	Latin American History
ELD	Education: Specific Learning Disabilities	GRE	Classical Greek (Language Study)	LAS	Latin American Studies
ELR	Prefix Discontinued. All Courses Reassigned	GRG	Graphic Arts - Graduate-Level	LAT	Latin (Language Study)
EMA	Materials Engineering	GRK	Modern Greek Language	LAW	Law
EMC	Engineering: Mechanical & Chemical	GRW	Classical Greek Literature (Writings)	LBS	Labor Studies
EME	Education: Technology and Media	HAI	Haitian Creole Language	LDE	Landscape Design
EML	Engineering: Mechanical	HAT	Haitian Culture in Translation or Translation Skills	LDR	Leadership Studies
EMR	Education: Mental Retardation	HBR	Modern Hebrew Language	LEI	Leisure
EMS	Emergency Medical Services	HBT	Modern Hebrew Culture in Translation or Translation Skills	LGL	Lingala Language
ENC	English Composition	HCP	Health-Care Providers (Assistants)	LGT	Lingalan Culture in Translation or Translation Skills
ENG	English - General	HCW	Haitian Creole Literature (Writings)	LGW	Lingalan Literature (Writings)
ENL	English Literature	HEB	Ancient Hebrew (Discontinued Effective 2005)	LIN	Linguistics
ENS	English For Non-Native Speakers (College Lv) Disc. Eff. 2005	HEC	Home Economics/Community	LIS	Library and Information Studies
ENT	Entrepreneurship	HEE	Home Economics Education	LIT	Literature
ENU	Engineering: Nuclear	HEV	Home Economics - Vocational	LNW	Latin Literature (Writings)
ENV	Engineering: Environmental	HFT	Hospitality Management	MAA	Mathematics - Analysis
ENY	Entomology	HHH	Housing & Home Design	MAC	Mathematics - Calculus and Precalculus
EOC	Ocean Engineering	HIM	Health Information Management	MAD	Mathematics - Discrete
EPD	Education: Physical & Multiple Disabilities	HIN	Hindi Language	MAE	Mathematics Education
EPH	Education: Physical & Multiple Handicapped	HIS	General History and Historiography	MAG	Mechanized Agriculture (Discontinued Effective 2005)
EPI	Educator Preparation Institutes	HIT	Hindi Culture in Translation or Translation Skills	MAN	Management
ESC	Earth Science	HIW	Hindi Literature (Writings)	MAP	Mathematics Applied
ESE	Education: Secondary	HLP	Health/Leisure/Physical Education	MAR	Marketing
ESI	Industrial/Systems Engineering	HME	Home Economics: Home Management and Equipment	MAS	Mathematics - Algebraic Structures
ESL	College-Prep English For Non-Native Speakers (Disc. Eff. 2005)	HMV	Hospitality Management, Vocational	MAT	Mathematics
EST	Electronic Speciality Technology	HMW	Modern Hebrew Literature (Writings)	MCB	Microbiology
ETC	Engineering Technology: Civil	HNG	Hungarian Language	MCC	Special Topics in Mass Communication
ETD	Engineering Technology: Drafting	HNT	Hungarian Culture in Translation or Translation Skills	MDW	Midwifery
ETE	Education: Technology Education	HNW	Hungarian Literature (Writings)	MEA	Medical Assisting Technology
ETG	Engineering Technology: General	HOE	Home Economics: General	MEL	Medical Science Electives
ETI	Engineering Technology: Industrial	HOS	Horticultural Sciences	MEM	Medieval and Early Modern Studies
ETM	Engineering Technology: Mechanical	HPS	History and Philosophy of Science	MET	Meteorology
ETN	Electroneurodiagnostics	HRD	Human Resources Development (Discontinued Effective 2005)	MGF	Mathematics - General and Finite
ETP	Engineering Technology: Power	HSA	Health Services Administration	MHF	Mathematics - History and Foundations
EUH	European History	HSC	Health Sciences	MHS	Mental Health Services
EUS	European Studies	HUM	Humanities	MIS	Military Science
EVI	Education: Visually Impaired-Blind	HUN	Human Nutrition	MKA	Marketing Applications
EVR	Environmental Studies	HUS	Human Services	MLS	Medical Laboratory Science
EVS	Environmental Science	ICM	International Construction Management	MLT	Medical Laboratory Technology
EVT	Education: Vocational/Technical	ICW	Icelandic Literature	MMC	Mass Media Communication
EXP	Experimental Psychology	IDC	Interdisciplinary Computing	MNA	Management: Applied
FAD	Home Economics: Family Development			MOB	Molecular Biophysics
FAM	Fashion Modeling			MOM	Motorcycle Mechanics
FAS	Fishery & Aquacultural Science			MRE	Medical Records (Discontinued Effective 2003)
FES	Fire and Emergency Services				
FFP	Fire Fighting & Protection				
FIL	Film				



## Common Course Numbering System

MSL Military Science and Leadership	PLT Polish Culture in Translation or Translation Skills	SPT Spanish Culture in Translation or Translation Skills
MSS Massage	PLW Polish Literature	SPW Spanish Literature (Writings)
MTB Mathematics - Technical and Business	PMA Pest Management	SRK Sanskrit Language
MTE Marine Technology and Nautical Science	PMT Precision Metals Technology	SRT Sanskrit Culture in Translation or Translation Skills
MTG Mathematics - Topology and Geometry	POL Polish Language	SRW Sanskrit Literature (Writings)
MTS Medical Transcription Science	POR Portuguese Language	SSA Sub-Sahara African Languages
MUC Music: Composition	POS Political Science	SSE Social Studies Education
MUE Music Education	POT Political Theory	SST Sub-Sahara African Culture in Translation or Translation Skills
MUG Music: Conducting	POW Portuguese Literature (Writings)	SSW Sub-Saharan African Literature
MUH Music: History/Musicology	PPE Personality	STA Statistics
MUL Music Literature	PRN Practical Nursing	STS Surgical Technology Studies
MUM Music: Commercial/Management/Administration	PRO Prosthetics/Orthotics	SUR Surveying & Related Areas
MUN Music Ensembles	PRT Portuguese Culture in Translation or Translation Skills	SVL Savings and Loan (IFE Courses Only)
MUO Music: Opera/Musical Theatre	PSB Psychobiology	SWA Swahili Language
MUR Music: Church	PSC Physical Sciences	SWS Soil and Water Sciences
MUS Music	PSE Poultry Science (Discontinued Effective 2005)	SWT Swahili Culture in Translation or Translation Skills
MUT Music: Theory	PSG Polysomnography	SWW Swahili Literature (Writings)
MUY Music: Therapy	PSY Psychology	SYA Sociological Analysis
MVB Applied Music: Brasses	PTA Precision Technology Apprenticeships	SYD Sociology Of Demography/Area Studies/Sociological Minorities
MVH Historical Instruments	PTN Pharmacy Technician	SYG Sociology, General
MVJ Applied Music: Jazz	PUP Public Policy	SYO Social Organization
MVK Applied Music: Keyboard	PUR Public Relations	SYP Social Processes
MVO Applied Music: Other	QMB Quantitative Methods in Business	TAR Technical Architecture
MVP Applied Music: Percussion	RAT Radiation Therapy	TAX Taxation
MVS Applied Music: Strings	RCS Rehabilitation Counseling Services	TCN Telecommunications
MVV Applied Music: Voice	REA Reading	TDR Technical Drafting
MVW Applied Music: Woodwinds	RED Reading Education	THE Theatre Studies and General Resources
NEM Nematology	REE Real Estate	TPA Theatre Production and Administration
NGR Nursing, Graduate	REL Religion	TPP Theatre Performance and Performance Training
NMT Nuclear Medicine Technology	RET Respiratory Care	TRA Transportation and Logistics
NSC Naval Science	RHT Radiation Health/Radiation Protection Technology	TSL Teaching English As A Second Language
NSP Nursing: Special	RMI Risk Management & Insurance	TTE Transportation Engineering
NUR Nursing, Generic Undergraduate	ROT Reactor Operator Technology	TUR Turkish Language
OCA Office Computer Applications	RSD Rehabilitation Science Doctorate	TUT Turkish Culture in Translation or Translation Skills
OCB Biological Oceanography	RTE Radiologic Technology	TUW Turkish Literature (Writings)
OCC Chemical Oceanography	RTT Radio/Television Technology	URP Urban and Regional Planning
OCE General Oceanography	RTV Radio-Television	URS Urban and Regional Studies
OCG Geological Oceanography	RUS Russian Language	VAR Variable-Paced Architecture
OCP Physical Oceanography	RUT Russian Culture in Translation or Translation Skills	VEC Vegetable Crops
OFT Occupational Office Technology (Discontinued Effective 2005)	RUV Russian Literature (Writings)	VEM Veterinary Medicine Professional
OPT Ophthalmic Technology/Vision Care	SAL South Asian Languages	VIC Visual Communication
ORH Ornamental Horticulture	SBM Small Business Mgmt: Occupational/Technical Variable Paced	VME Veterinary Medicine Graduate
ORI Oral Interpretation	SCA Scandinavian Languages	VPI Vocational Preparatory Instruction
ORV Ornamental Horticulture (Variable Paced)	SCC Security	VTN Vietnamese Language
OSE Optical Science and Engineering	SCE Science Education	VTT Vietnamese Culture in Translation or Translation Skills
OST Office Systems Technology	SCT Scandinavian Culture in Translation or Translation Skills	VTW Vietnamese Literature (Writings)
OTA Office Technology Applications	SCW Serbo-Croatian Literature (Writings)	WCL Ward Clerk
OTH Occupational Therapy	SCY Security	WDS Weed Science
PAD Public Administration	SDS Student Development Services	WIS Wildlife Science
PAF Public Affairs	SEC Serbo-Croatian Language	WOH World History
PAS Physician Assistant	SED Speech Education	WOL Wolof Language
PAX Peace Studies	SER Small Engine Mechanics	WOT Wolof Culture in Translation or Translation Skills
PAZ Parks and Zoos	SHO Shona Language	WOW Wolof Literature (Writings)
PCB Process Biology (Cell/Molecular/Ecology/Genetics/Physiology)	SHT Shona Culture in Translation or Translation Skills	WST Women's Studies
PCO Psychology For Counseling	SLA Second Language Acquisition/Instructional Technology	XHO Xhosa Language
PEL Phys. Edu. Acts - (Gen.)-Object Centr'd, Land	SLL Slavic Languages	XHT Xhosa Culture in Translation or Translation Skills
PEM Phys. Edu. Acts. (Gen.)-Perfomr. Centr'd., Land (Revised)	SLS Student Life Skills (Learning)	XHW Xhosan Literature (Writings)
PEN Physical Edu. Activities (Gen.)-Water, Snow, Ice	SLT Slavic Culture in Translation or Translation Skills	YOR Yoruba Language
PEO Phys. Edu. Acts. (Profnl.)-Object Centr'd., Land	SLW Slavic Literature (Writings)	YOT Yoruba Culture in Translation or Translation Skills
PEP Phys. Edu. Acts. (Profnl.)-Perfmr. Centr'd., Land	SMT Science or Mathematics Teaching	YRW Yoruba Literature (Writings)
PEQ Phys. Edu. Acts. (Profnl.)-Water, Snow, Ice	SNW Scandinavian Literature	ZOO Zoology
PET Physical Education Theory	SON Sonography	
PGY Photography	SOP Social Psychology	
PHA Pharmacy	SOS Soil Science	
PHC Public Health Concentration	SOW Social Work	
PHH Philosophy, History Of	SPA Speech Pathology and Audiology	
PHI Philosophy	SPB Sports Business	
PHM Philosophy Of Man and Society	SPC Speech Communication (4/97)	
PHP Philosophers and Schools	SPM Sports Management	
PHT Physical Therapy	SPN Spanish Language	
PHY Physics	SPS School Psychology	
PHZ Physics (Continued)		
PKG Packaging Sciences		
PLA Paralegal/Legal Assistant/Legal Administration		
PLP Plant Pathology		
PLS Plant Science		

# Common Course Numbering System

## Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

## Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates	Grad <sup>1</sup>
Directed Independent Studies	1906, 2905, 3905, 4906, 5907
Directed Independent Research	4912, 5917
Special Undergraduate Research	IDS 3913, 4914
Special Topics/Seminars	1931, 2930, 3930, 4932, 5937
*Internship, Practicums, Clinical Prac	3940, 4941, 5944
Cooperative Education <sup>3</sup>	1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis	3970H, 4970H
Honors Directed Reading <sup>1</sup>	4903H
Honors Directed Reading <sup>2</sup>	4904H
Study Abroad	4955, 5957

\*These courses may be assigned variable credit. Some may be repeated upon approval.

<sup>1</sup>The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

<sup>2</sup>Enrollment is limited to those students who are fully admitted to the Graduate Program.

<sup>3</sup>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):

College/School	Department	Abbreviation
BA	Accounting	ACCT
BA	Business	BUS
BA	Economics	ECON
BA	Finance	FIN
BA	Management	MAN
BA	Management Information System	MIS
BA	Marketing	MAR
CAH	African American Studies	AAS
CAH	Art	ART
CAH	Arts & Humanities	CAH
CAH	Digital Media	DIG
CAH	English	ENG
CAH	Film	FILM
CAH	Foreign Languages	LANG
CAH	History	HIST
CAH	Judaic Studies	JUD
CAH	Music	MUSIC
CAH	Philosophy	PHIL
CAH	Theatre	THEA
CAH	Women's Studies	WOM
COM	Molecular Biology & Microbiology	M&M
CON	Nursing	NURS
COS	Biology	BIOL
COS	Chemistry	CHEM
COS	Communication	COMM
COS	Mathematics	MATH
COS	Physics	PHYS
COS	Political Science	POLS
COS	Psychology	PSYCH
COS	Radio/TV	R/TV
COS	Sociology & Anthropology	SOC/AN
COS	Statistics	STAT
ECS	Air Force ROTC-Aerospace	AFROTC
ECS	Civil & Environmental	CEE
ECS	Electrical Eng & Computer Sci	EECS
ECS	Engineering	ENGR
ECS	Engineering Technology	ENT
ECS	Industrial & Management	IEMS
ECS	Mechanical/Materials/Aerospace	MMAE
ECS	Military Science-Army ROTC	AROTC
ED	Child, Family & Comm Services	CFCS
ED	Education	EDU
ED	Ed Research, Tech & Lead	ERTL
ED	Educational Foundations	EDF
ED	Educational Studies	ES
ED	Human Services/Wellness	HSW
ED	Instructional Programs	IP
ED	Teaching & Learning Principles	TLP
HM	Hospitality Management	HOSP
HPA	Communicative Disorders	COMD
HPA	Criminal Justice & Legal Studies	CJLS
HPA	Health & Public Affairs	HPA
HPA	Health Information Management	HIM
HPA	Health Professions	HP
HPA	Public Administration	PUB
HPA	Social Work	SOW
UGST	Undergrad/Interdisc Studies	INTERDISC

# UCF Courses and Descriptions

**Finding a Course in this List:** The UCF courses in this section are listed alphabetically by prefix. Consult the "Common Course Numbering System" section of the *Undergraduate Catalog* for additional information.

**Availability of Courses:** The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at <https://my.ucf.edu> for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.

**ACG 2021 BA-ACCT 3(3,0)**  
**Principles of Financial Accounting:** PR: Sophomore standing and MAC 1105C or equivalent. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner's equity; accounting for proprietorships and corporations. *Fall, Spring.*

**ACG 2021H BA-ACCT 3(3,0)**  
**Honors Principles of Financial Accounting:** PR: MAC 1105C and consent of Honors. Same as ACG 2021 with honors level content. *Occasional.*

**ACG 2071 BA-ACCT 3(3,0)**  
**Principles of Managerial Accounting:** PR: ACG 2021 and MAC 1105C or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. *Fall, Spring.*

**ACG 3082 BA-ACCT 3(3,0)**  
**Accounting For Non-Business Majors:** PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. *Occasional.*

**ACG 3131 BA-ACCT 3(3,0)**  
**Intermediate Financial Accounting I:** PR: Junior standing, Accounting major or minor, and ACG 2021 and ACG 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.*

**ACG 3141 BA-ACCT 3(3,0)**  
**Intermediate Financial Accounting II:** PR: Accounting major or minor, ACG 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.*

**ACG 3361 BA-ACCT 3(3,0)**  
**Cost Accounting I:** PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, and ACG 2071 with a grade of "C". Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. *Fall, Spring.*

**ACG 3501 BA-ACCT 3(3,0)**  
**Financial Accounting for Governmental and Nonprofit Organizations:** PR: Accounting major or minor, and a grade of "C" (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. *Fall, Spring.*

**ACG 4252 BA-ACCT 3(3,0)**  
**International Financial and Managerial Accounting:** PR: Accounting major or minor, ACG 2021, ACG 2071. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. *Occasional.*

**ACG 4284 BA-ACCT 3(3,0)**  
**Financial Reporting for Consolidated Entities:** PR: ACG 3141. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. *Occasional.*

**ACG 4401C BA-ACCT 3(3,1)**  
**Accounting Information Systems:** PR: Accounting major or minor, ACG 3131 and CGS 2100C, with a grade of "C" or better. Manual and computer-based accounting information systems. *Fall, Spring.*

**ACG 4651 BA-ACCT 3(3,0)**  
**Auditing:** PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of "C" or better. The standards, practices, and procedures followed in the audit function. *Fall, Spring.*

**ACG 4671 BA-ACCT 3(3,0)**  
**Internal Auditing:** PR: Accounting major or minor, ACG 3131 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. *Fall, Spring.*

**ACG 4803 BA-ACCT 3(3,0)**  
**Contemporary Issues in Accounting:** PR: ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. *Fall, Spring.*

**ADE 4382 ED-E&HS 3(3,0)**  
**Teaching Adult Learners in Technical Programs:** PR: ECT 3365 or C.I. Planning for and teaching of adult learners in formal & informal technical settings. *Fall.*

**ADV 3008 COS-COMM 3(3,0)**  
**Principles of Advertising:** PR: SPC 1608, or SPC 1603, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. *Fall, Spring.*

**ADV 4101 COS-COMM 3(3,0)**  
**Advertising Copywriting:** PR: Ad-PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. *Fall, Spring.*

**ADV 4103 COS-COMM 3(3,0)**  
**Radio-Television Advertising:** PR: R-TV or Ad-PR Majors only and ADV 3008 or C.I. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. *Fall, Spring.*

**ADV 4300 COS-COMM 3(3,0)**  
**Advertising Media Planning:** PR: ADV 3008 and Ad-PR major. Media planning and buying, including basic media terms, calculations, and resources. *Fall.*

**AFA 2300 CAH-AAS 3(3,0)**  
**African American Music:** Comprehensive look at music written and made popular by African Americans. *Occasional.*

**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: AFA 3102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. *Occasional.*

**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 3428 CAH-AAS 3(3,0)**  
**Malcolm X, Black Nationalism, and Internationalism:** PR: AMH 2020. Comprehensive analysis of the social/political thought of Malcolm X and its impact on African political struggles. *Fall.*

**AFA 3955 CAH-AAS 6(6,0)**  
**Study Abroad in Eastern Caribbean:** PR: 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)**  
**Documenting African American Heritage and Life:** PR: AFA 3104 or Junior standing. Community-based exploration of tools, methods, and techniques of documenting African American life and heritage, focusing on Central Florida black communities. *Occasional.*

**AFA 5930 CAH-AAS 3(3,0)**  
**Topics in African American Studies:** PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 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)**  
**African History Since 1870:** PR: C.I. Sub-Saharan African history from 1870 to the present. *Occasional.*

**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)**  
**The Air Force Today I:** History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. *Fall.*

**AFR 1111C ECS-AFROTC 1(1,2)**  
**The Air Force Today II:** A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. *Spring.*

**AFR 2130C ECS-AFROTC 1(1,2)**  
**The Development of Air Power I:** A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. *Fall.*

**AFR 2131C ECS-AFROTC 1(1,2)**  
**The Development of Air Power II:** A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. *Spring.*

**AFR 3220C ECS-AFROTC 3(3,2)**  
**Air Force Leadership and Management I:** An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. *Fall.*

## UCF Courses and Descriptions

**AFR 3230C ECS-AFROTC 3(3,2)**  
**Air Force Evaluation and Management II:** PR: AFR 3220C or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. *Spring.*

**AFR 4201C ECS-AFROTC 3(3,2)**  
**National Security Affairs and Prep for Active Duty I:** PR: AFR 3220C. Examination of the military and its role in American society. A study of the framework and formation of defense strategy. Hands on training. *Fall.*

**AFR 4210C ECS-AFROTC 3(3,2)**  
**National Security Affairs and Prep for Active Duty II:** An examination of defense implementation and its impact on the decision-making process. A study of the military justice system and its protection of individual rights. *Spring.*

**AMH 2010 CAH-HIST 3(3,0)**  
**U.S. History: 1492-1877:** Survey of U.S. History from 1492-1877. *Fall, Spring.*

**AMH 2010H CAH-HIST 3(3,0)**  
**Honors U.S. History: 1492-1877:** PR: Consent of Honors. Survey of U.S. History from 1492-1877. *Fall, Spring.*

**AMH 2020 CAH-HIST 3(3,0)**  
**U.S. History: 1877-Present:** Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. *Fall, Spring.*

**AMH 2020H CAH-HIST 3(3,0)**  
**Honors U.S. History: 1877-Present:** PR: Permission of Honors and AMH 2010 or C.I. Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Honors-level content. *Fall, Spring.*

**AMH 3370 CAH-HIST 3(3,0)**  
**American Economic History:** PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. *Occasional.*

**AMH 3402 CAH-HIST 3(3,0)**  
**History of the South to 1865:** PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery, 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 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. *Occasional.*

**AMH 3422 CAH-HIST 3(3,0)**  
**Frontier Florida:** PR: AMH 2010 and AMH 2020 or C.I. History of Florida from U.S. territory until post-war industrialization. *Occasional.*

**AMH 3425 CAH-HIST 3(3,0)**  
**Sunbelt Florida:** PR: AMH 2010 and AMH 2020 or C.I. History of Florida from post-war industrialization to the present. *Occasional.*

**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)**  
**U.S. Military History Since 1900:** PR: AMH 2010 and AMH 2020, or C.I. U. S. military history since 1900 emphasizing civil-military relations, warfare, and military developments. *Occasional.*

**AMH 3558 CAH-HIST 3(3,0)**  
**History of American Law:** PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001. The social, political, and economic significance of the law as a historic process in America. *Occasional.*

**AMH 3561 CAH-HIST 3(3,0)**  
**Women in American History I:** PR: AMH 2010, AMH 2020. Examines women in indigenous, colonial, African-American slave and free societies, Republican Motherhood, impact of industrialization on women's roles, and emergence of women's rights movement. *Occasional.*

**AMH 3562 CAH-HIST 3(3,0)**  
**Women in American History II:** PR: AMH 2010, AMH 2020 or C.I. Examines industrialization, entry of women into higher education and professions, winning of suffrage, changing profile of female wage earner, and rise of modern feminist movement. *Occasional.*

**AMH 3571 CAH-HIST 3(3,0)**  
**Black American History I:** PR: AMH 2010, AMH 2020 or C.I. History of Black Americans from Africa, to slavery, to freedom and its limits in pre-World War I America. *Occasional.*

**AMH 3572 CAH-HIST 3(3,0)**  
**Black American History II:** PR: AMH 2010, AMH 2020 or C.I. A history of Black America in the Twentieth Century and the continuing struggle for equality in America. *Occasional.*

**AMH 3580 CAH-HIST 3(3,0)**  
**North American Indians:** PR: AMH 2010 and AMH 2020. History of North American Indians and their relations with the United States from the 18th century to the present. *Occasional.*

**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)**  
**Sport in America to 1945:** PR: AMH 2010, AMH 2020 or C.I. History of sport emphasizing development of professional and collegiate sport to 1945. *Occasional.*

**AMH 3611 CAH-HIST 3(3,0)**  
**Sport in America Since 1945:** PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. *Odd Spring.*

**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 voyages 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)**  
**The Age of the American Revolution, 1763-1789:** PR: AMH 2010 and AMH 2020, or C.I. The American Revolution - its origins, course, and impact upon American society - the Articles of Confederation, the Philadelphia Convention and its work. *Occasional.*

**AMH 4140 CAH-HIST 3(3,0)**  
**Jeffersonian America:** PR: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. *Occasional.*

**AMH 4160 CAH-HIST 3(3,0)**  
**Jacksonian America:** PR: AMH 2010 and AMH 2020, or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. *Occasional.*

**AMH 4170 CAH-HIST 3(3,0)**  
**Civil War and Reconstruction:** PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, and impact of industrialism. *Occasional.*

**AMH 4201 CAH-HIST 3(3,0)**  
**The Gilded Age and Progressivism:** PR: AMH 2010 and AMH 2020, or C.I. The Rise of Industrialized and Urbanized America, The emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. *Occasional.*

**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)**  
**United States History: 1939-1960:** PR: AMH 2010 and AMH 2020, or C.I. World War II, the Cold War and America in the fifties. *Occasional.*

**AMH 4273 CAH-HIST 3(3,0)**  
**U. S. History Since 1960:** PR: AMH 2010 and AMH 2020 or C.I. Civil rights and Women's Liberation Movements, Vietnam War, Watergate, the decline of liberalism and the rise of conservatism, end of the Cold War. *Occasional.*

**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 intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presentism. *Occasional.*

**AMH 4375 CAH-HIST 3(3,0)**  
**Technology and US Culture:** PR: AMH 2010 or AMH 2020. Examines the history of technology in the United States, its impact on society, and society's impact on technological development. *Even Spring.*

**AMH 4376 CAH-HIST 3(3,0)**  
**U.S. Space History:** PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. *Occasional.*

**AMH 4510 CAH-HIST 3(3,0)**  
**Rise of the United States to World Power, 1776-1914:** PR: AMH 2010 and AMH 2020, or C.I. The evolution of basic American policies. American expansion. America's major wars, and the emergence of America as a world power. *Occasional.*

**AMH 4512 CAH-HIST 3(3,0)**  
**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. *Occasional.*

**AMH 4513 CAH-HIST 3(3,0)**  
**United States as a Great Power: 1945-Present:** PR: AMH 2020 or C.I. U.S. diplomacy from World War II to the present. *Occasional.*

**AMH 4573 CAH-HIST 3(3,0)**  
**Black 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. *Occasional.*

**AMH 4644 CAH-HIST 3(3,0)**  
**Viewing American History in the Twentieth Century:** PR: AMH 2010 and AMH 2020 or C.I. Examination of television, film, comics, and other popular media as primary sources in the study of U.S. History in the 20th Century. *Spring.*



## UCF Courses and Descriptions

<b>AMH 4650</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AMH 5937</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 4261</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>History of U.S. Aviation:</b> PR: AMH 2010 or AMH 2020. Aviation development in the United States and its role in American culture. <i>Even Fall.</i>			<b>AP American History:</b> PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. <i>Occasional.</i>			<b>Literature of the South:</b> PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014 or C.I. Development of Southern literature from its beginnings in the "Old South" through the post-Civil War and the Southern-Renaissance to the present. Emphasizes reading from Poe, Ransom, Tate, Faulkner, Porter, Warren, O'Connor, Percy, and Styron. <i>Occasional.</i>		
<b>AMH 4680</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3031</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 4265</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Women in American Science:</b> PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. <i>Even Fall.</i>			<b>American Literature I:</b> PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. <i>Fall, Spring.</i>			<b>Florida Writers:</b> PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. <i>Occasional.</i>		
<b>AMH 5116</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3041</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 4300</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Colloquium in U.S. Colonial History:</b> PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. May be used in the degree program a maximum of 4 times. <i>Occasional.</i>			<b>American Literature II:</b> PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. <i>Fall, Spring.</i>			<b>Major American Authors:</b> PR: Grade of C (2.0) or better required in ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. <i>Fall, Spring.</i>		
<b>AMH 5137</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3283</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 4304</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Colloquium in U.S. Revolutionary Period:</b> 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. <i>Occasional.</i>			<b>Contemporary American Women's Fiction:</b> PR: Grade of C (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. <i>Occasional.</i>			<b>Whitman and His Heirs:</b> PR: Grade of C (2.0) or better required in ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. <i>Occasional.</i>		
<b>AMH 5149</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3286</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 4321</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Colloquium in Early U.S. History, 1789-1815:</b> PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. <i>Occasional.</i>			<b>Early American Women's Words:</b> PR: ENC 1102. Women's writings in the Americas from the 17th century through the mid-19th century. <i>Occasional.</i>			<b>Modern American Literature:</b> PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern American literature. <i>Occasional.</i>		
<b>AMH 5169</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3613</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 4630</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Colloquium in Age of Jackson:</b> PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. <i>Occasional.</i>			<b>Narratives of Slavery:</b> PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. <i>Occasional.</i>			<b>Latino/Latina Literature:</b> PR: Grade of C (2.0) or better required in ENG 3014. U.S. literature by writers from Latino and Latina backgrounds. <i>Occasional.</i>		
<b>AMH 5176</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3614</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 5076</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Colloquium in Civil War and Reconstruction:</b> PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. <i>Occasional.</i>			<b>Topics in African-American Literature:</b> 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. <i>Occasional.</i>			<b>American Literature: Colonial to Contemporary:</b> 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. <i>Occasional.</i>		
<b>AMH 5219</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3615</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>AML 5156</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Colloquium in Late 19th Century U.S.:</b> 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. <i>Occasional.</i>			<b>Harlem, Haiti, and Havana:</b> 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. <i>Occasional.</i>			<b>Modern American Poetry:</b> PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D. Lawrence, Stevens, Hart, Crane, Moore, W.C. Williams, etc.) within the Modernist movement in American poetry. <i>Occasional.</i>		
<b>AMH 5296</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3640</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>ANG 5100</b>	<b>COS-ANTHRO</b>	<b>3(3,0)</b>
<b>Colloquium in 20th Century U.S.:</b> 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. <i>Occasional.</i>			<b>Native American Literature:</b> 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. <i>Occasional.</i>			<b>Archeological Sciences:</b> PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. <i>Occasional.</i>		
<b>AMH 5378</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3643</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>ANG 5166</b>	<b>COS-ANTHRO</b>	<b>3(3,0)</b>
<b>History of Technology:</b> PR: Graduate standing or C.I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. <i>Occasional.</i>			<b>Contemporary Native American Prose and Poetry:</b> PR: ENC 1101, ENC 1102. Native American prose fiction and poetry since Momaday's <i>House Made of Dawn</i> (1968) and American Indian prose and poetry since that time. <i>Occasional.</i>			<b>Problems in Maya Studies:</b> PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. <i>Occasional.</i>		
<b>AMH 5391</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3682</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>ANG 5167</b>	<b>COS-ANTHRO</b>	<b>3(3,0)</b>
<b>Colloquium in U.S. Cultural History:</b> 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. <i>Occasional.</i>			<b>Ethnic Literature in America:</b> PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. <i>Occasional.</i>			<b>Maya Hieroglyphs:</b> PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. <i>Occasional.</i>		
<b>AMH 5406</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 3682H</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>ANG 5191</b>	<b>COS-ANTHRO</b>	<b>3(3,0)</b>
<b>Colloquium in American South:</b> 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. <i>Occasional.</i>			<b>Honors Ethnic Literature in America:</b> PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. <i>Occasional.</i>			<b>Mortuary Archaeology:</b> PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. <i>Occasional.</i>		
<b>AMH 5446</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 4101</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>ANG 5228</b>	<b>COS-ANTHRO</b>	<b>3(3,0)</b>
<b>Colloquium in U.S. Frontier:</b> PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. <i>Occasional.</i>			<b>American Novel:</b> PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. <i>Occasional.</i>			<b>Maya Iconography:</b> PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. <i>Odd Spring.</i>		
<b>AMH 5515</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 4153</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>ANG 5272</b>	<b>COS-ANTHRO</b>	<b>3(3,0)</b>
<b>Colloquium in U.S. Diplomatic History:</b> 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. <i>Occasional.</i>			<b>American Poetry at Mid-Century:</b> PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. <i>Occasional.</i>			<b>Culture, Power and Development:</b> PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. <i>Occasional.</i>		
<b>AMH 5566</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AML 4155</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>			
<b>Colloquium: Women in American History:</b> PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. <i>Occasional.</i>			<b>Modern American Poetry:</b> PR: Grade of C (2.0) or better required in ENG 3014. Major American poets of the modern (1900-1950) period. <i>Occasional.</i>					

## UCF Courses and Descriptions

- ANG 5301 COS-ANTHRO 3(3.0)**  
**Anthropology of Tourism:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. *Occasional.*
- ANG 5307 COS-ANTHRO 3(3.0)**  
**Peoples and Cultures of Latin America:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. *Occasional.*
- ANG 5341 COS-ANTHRO 3(3.0)**  
**Caribbean Cultures:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. *Occasional.*
- ANG 5486 COS-ANTHRO 3(3.0)**  
**Quantitative Research in Anthropology:** PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. *Odd Fall.*
- ANG 5531 COS-ANTHRO 3(3.0)**  
**Nutritional Anthropology:** PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. *Occasional.*
- ANG 5620 COS-ANTHRO 3(3.0)**  
**Language and Culture:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. *Spring.*
- ANG 5622 COS-ANTHRO 3(3.0)**  
**Language, Culture and Pedagogy:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. *Occasional.*
- ANG 5738 COS-ANTHRO 3(3.0)**  
**Advanced Medical Anthropology:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. *Odd Fall.*
- ANG 5742 COS-ANTHRO 3(3.0)**  
**Problems in Forensic Anthropology:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. *Occasional.*
- ANG 5822 COS-ANTHRO 3(3.0)**  
**Maya Field Research:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infield research in the Maya area. *Spring.*
- ANT 2000 COS-ANTHRO 3(3.0)**  
**General Anthropology:** An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. *Fall, Spring.*
- ANT 2000H COS-ANTHRO 3(3.0)**  
**General Anthropology Honors:** PR: Permission of Honors. Extensive honors work in the field of anthropology. Expectations, requirements, and standards are greater than for standard General Anthropology. *Occasional.*
- ANT 2140 COS-ANTHRO 3(3.0)**  
**Archaeology and the Rise of Human Culture:** The evolution of human society from foraging and hunting groups to the earliest cities and states. *Fall, Spring.*
- ANT 2410 COS-ANTHRO 3(3.0)**  
**Cultural Anthropology:** An introduction to human diversity as exemplified among various cultures and ethnic groups. *Fall, Spring.*
- ANT 2511 COS-ANTHRO 3(3.0)**  
**The Human Species:** Human biological variation in an evolutionary perspective. *Fall, Spring.*
- ANT 2511H COS-ANTHRO 3(3.0)**  
**Honors The Human Species:** PR: Permission of Honors. Human biological variation in an evolutionary perspective. *Occasional.*
- ANT 3106 COS-ANTHRO 3(3.0)**  
**Archaeology and Popular Culture:** PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. *Occasional.*
- ANT 3115 COS-ANTHRO 3(3.0)**  
**Archaeological Method and Theory:** PR: or CR: ANT 2000 or ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. *Even Fall.*
- ANT 3142 COS-ANTHRO 3(3.0)**  
**Old World Prehistory:** PR: or CR: ANT 2000 or ANT 2140 or C.I. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. *Occasional.*
- ANT 3145 COS-ANTHRO 3(3.0)**  
**Archaeology of Complex Societies:** PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. *Fall.*
- ANT 3148 COS-ANTHRO 3(3.0)**  
**Life and Death in Ancient Egypt:** PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). *Occasional.*
- ANT 3152 COS-ANTHRO 3(3.0)**  
**Indians of the Southwest:** PR: ANT 2000. Native American culture types of the southwest: Navajo, Pueblo (Zuni, Hopi, Tewa), Apache (Lipan, Mescalero), and Desert Tradition (Pima, Papago, Havasupai). *Occasional.*
- ANT 3158 COS-ANTHRO 3(3.0)**  
**Florida Archaeology:** PR: ANT 2000 or ANT 2140 or C.I. Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. *Occasional.*
- ANT 3160 COS-ANTHRO 3(3.0)**  
**Americas Before Columbus:** PR: ANT 2000, or C.I. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. *Occasional.*
- ANT 3161 COS-ANTHRO 3(3.0)**  
**Archaeology of Mexico:** PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. *Occasional.*
- ANT 3163 COS-ANTHRO 3(3.0)**  
**Mesoamerican Archaeology:** PR: or CR: ANT 2000 or ANT 2140 or C.I. An introduction to the prehistory of Mexico. Guatemala and upper Central America from earliest times through the Spanish conquest. *Occasional.*
- ANT 3164 COS-ANTHRO 3(3.0)**  
**Ancient Incas:** PR: ANT 2000 or SYG 2000 or ANT 2140 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. *Occasional.*
- ANT 3165 COS-ANTHRO 3(3.0)**  
**Archaeology of South America:** PR: ANT 2000 or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. *Occasional.*
- ANT 3168 COS-ANTHRO 3(3.0)**  
**Maya Archaeology:** PR: or CR: ANT 2000 or ANT 2140 or C.I. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. *Occasional.*
- ANT 3173 COS-ANTHRO 3(3.0)**  
**Archaeology of Sex:** PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an archaeological perspective. *Occasional.*
- ANT 3177 COS-ANTHRO 3(3.0)**  
**Archaeology of Caribbean Piracy:** PR: ANT 2000 or C.I. The profession of piracy in the context of Caribbean prehistory and archaeology. *Occasional.*
- ANT 3212 COS-ANTHRO 3(3.0)**  
**Peoples of the World:** PR: or CR: ANT 2000 or ANT 2410 or C.I. A comparative study of religion, family, politics, philosophy, and other elements of socio-cultural organization of pre-literate societies. *Fall, Spring.*
- ANT 3241 COS-ANTHRO 3(3.0)**  
**Magic, Ritual, and Belief:** PR: or CR: ANT 2000 or ANT 2410 or C.I. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. *Fall, Spring.*
- ANT 3245 COS-ANTHRO 3(3.0)**  
**Native American Religions:** PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. *Occasional.*
- ANT 3262 COS-ANTHRO 3(3.0)**  
**Rural Society:** An introduction to rural society in the U.S. and abroad. Problems of third world development in the rural sector. *Occasional.*
- ANT 3273 COS-ANTHRO 3(3.0)**  
**Law and Culture:** PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. *Occasional.*
- ANT 3302 COS-ANTHRO 3(3.0)**  
**Sex, Gender and Culture:** PR: or CR: ANT 2000 or ANT 2511 or C.I. The traditional and changing roles of women and men viewed in a cross-cultural perspective. *Fall, Spring.*
- ANT 3311 COS-ANTHRO 3(3.0)**  
**Indians of the Southeastern United States:** PR: or CR: ANT 2000 or C.I. A study of the social and cultural history of the Indians of the Southeast. *Occasional.*
- ANT 3312 COS-ANTHRO 3(3.0)**  
**Ethnology of North American Indians:** PR: or CR: ANT 2000 or C.I. A survey of the aboriginal cultures of North America, with emphasis on the pre-contact cultural condition. *Even Spring.*
- ANT 3313 COS-ANTHRO 3(3.0)**  
**Indians of North America High Plains:** PR: or CR: ANT 2000 or C.I. A study of the social and cultural history of the Indians of the North American High Plains. *Occasional.*
- ANT 3314 COS-ANTHRO 3(3.0)**  
**Indians of the Northeast Woodlands:** PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the North American Northeast. *Occasional.*
- ANT 3318 COS-ANTHRO 3(3.0)**  
**Indians of the Northwest Coast:** PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. *Occasional.*
- ANT 3319 COS-ANTHRO 3(3.0)**  
**Anthropology of Diaspora:** PR: ANT 2000 or ANT 2410 or C.I. Comparative study of sociocultural constructions of race and the processes of acculturation and resistance in African Diasporas of the New and Old Worlds. *Occasional.*
- ANT 3330 COS-ANTHRO 3(3.0)**  
**Cultural Ecology of Amazonia:** PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. *Occasional.*

## UCF Courses and Descriptions

<b>ANT 3344</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Puerto Rican Culture:</b> PR: ANT 2000, or SYG 2000, or PSY 2012, or C.I. Ethnographic study of Puerto Rican culture in Puerto Rico and the U.S. Emphasis on race, class, and gender in twentieth-century Puerto Rican experiences. <i>Occasional.</i>	<b>ANT 4180C</b> <b>COS-ANTHRO</b> <b>3(1,4)</b> <b>Seminar in Laboratory Analysis:</b> PR: or CR: ANT 2000 or ANT 2140 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit. <i>Spring.</i>	<b>ANT 4525C</b> <b>COS-ANTHRO</b> <b>4(3,1)</b> <b>Human Osteology:</b> PR: ANT 2511. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. <i>Fall.</i>
<b>ANT 3362</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Peoples of Southeast Asia:</b> PR: or CR: ANT 2000 or ANT 2410 or C.I. A survey of the peoples of Vietnam, Cambodia, Laos and Thailand from the anthropological perspective. <i>Occasional.</i>	<b>ANT 4183</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Archaeological Sciences:</b> PR: ANT 2511, or ANT 2140, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. <i>Spring.</i>	<b>ANT 4528C</b> <b>COS-ANTHRO</b> <b>5(3,3)</b> <b>Advanced Forensic Anthropology:</b> PR: ANT 4521C. Advanced laboratory methods in forensic anthropology, including skeletal analysis and the application of archaeological techniques to the recovery of human remains. <i>Even Spring.</i>
<b>ANT 3363</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Anthropology of Japan:</b> PR: or CR: ANT 2000 or C.I. An examination of Japanese culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. <i>Occasional.</i>	<b>ANT 4184</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Mortuary Archaeology:</b> PR: ANT 2000, or ANT 2140, or ANT 2511 or C.I. Archaeological interpretations of death: basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. <i>Occasional.</i>	<b>ANT 4560</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Anthropological Perspectives on Human Growth:</b> PR: ANT 2000 or ANT 2511 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. <i>Odd Fall.</i>
<b>ANT 3393</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>American Indian Literature and Culture in Florida:</b> PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through oral tales and legends, treaties, archival sources. <i>Occasional.</i>	<b>ANT 4266</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Economic Anthropology: Production, Consumption, and Exchange:</b> PR: ANT 2000, ECO 2013, PSY 2012, or SYG 2000. Issues, methods, and concepts of economic anthropology. <i>Occasional.</i>	<b>ANT 4586</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Human Origins:</b> PR: ANT 2511. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus <i>Homo</i> . <i>Spring.</i>
<b>ANT 3398</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Black/Seminole Relations:</b> PR: 2000 level GEP Social Science course or C.I. Relationships forged between peoples of African origin and descent and the Seminole Indians. <i>Occasional.</i>	<b>ANT 4303</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Anthropology of Tourism:</b> PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Social theory of tourism: anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. <i>Occasional.</i>	<b>ANT 4702</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Culture, Power and Development:</b> PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. <i>Occasional.</i>
<b>ANT 3450</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Living in the USA: Anthropological Perspectives:</b> PR: ANT 2000 or SYG 2000 or PSY 2012 or C.I. Ethnographic study of diverse experiences of life in the United States. Special focus on class, race, gender, citizenship, generation, and religion. <i>Occasional.</i>	<b>ANT 4308</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Gender Issues in Latin America:</b> PR: Completion of a lower-level social science course or its equivalent. Issues of gender in Latin America through an anthropological approach, both theoretical and practical, with special attention to women's lives. <i>Occasional.</i>	<b>ANT 4802</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Ethnographic Field Methods:</b> PR: ANT 2000, ANT 2410, SYG 2000, PSY 2012, or C.I. Procedures and principles of ethnographic research methods. <i>Occasional.</i>
<b>ANT 3541</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Biobehavioral Anthropology:</b> PR: or CR: ANT 2000 or ANT 2511 or C.I. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. <i>Spring.</i>	<b>ANT 4332</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>People and Cultures of Latin America:</b> PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. <i>Odd Fall, Spring.</i>	<b>ANT 4824</b> <b>COS-ANTHRO</b> <b>9(9,0)</b> <b>Advanced Archaeological Fieldwork:</b> PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. <i>Spring.</i>
<b>ANT 3550</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Primatology:</b> PR: ANT 2511 or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. <i>Occasional.</i>	<b>ANT 4340</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Caribbean Cultures:</b> PR: ANT 2000, ANT 2410, SYG 2000, PSY 2012, or C.I. Comparative study of peoples and cultures of the Anglophone, Francophone, Hispanophone, and Caribbean. <i>Occasional.</i>	<b>APA 3471</b> <b>BA-ACCT</b> <b>3(3,0)</b> <b>Accounting for Engineers:</b> PR: Not open to business majors. General Accounting principles and practice, cost accounting, budgeting, and control techniques. Not usable for BSBA degree credit. <i>Occasional.</i>
<b>ANT 3610</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Language and Culture:</b> PR: Sophomore standing. The study of language in a non-western setting: language and behavior: language and perception. <i>Spring.</i>	<b>ANT 4352</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>African Societies and Cultures:</b> PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. <i>Occasional.</i>	<b>APK 2131C</b> <b>ED-CFCS</b> <b>3(1,2)</b> <b>TriFit Training:</b> Principles and practices of the three disciplines comprising the sport of triathlon. Students provide all personal equipment, including bicycle, helmet, swim goggles. <i>Fall, Spring.</i>
<b>ANT 3701</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Applied Anthropology:</b> PR: ANT 2000 or ANT 2410 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. <i>Occasional.</i>	<b>ANT 4354</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Postcolonial Africa:</b> PR: ANT 2000 or SYG 2000 or C.I. Cultural change and continuity in contemporary Africa, ethnography of postcolonial social and cultural issues including globalization, health, economics, peace and stability. <i>Occasional.</i>	<b>APK 3132</b> <b>ED-CFCS</b> <b>3(3,0)</b> <b>Triathlon Training and Performance:</b> PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. <i>Occasional.</i>
<b>ANT 3949</b> <b>COS-ANTHRO</b> <b>0(0,8)</b> <b>Cooperative Education in Anthropology:</b> PR: Departmental permission required before registering. Cooperative education experience in anthropology. Graded S/U. May be repeated. <i>Occasional.</i>	<b>ANT 4408</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Culture, Disease, and Healing:</b> PR: Any 2000 level Anthropology course. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. <i>Odd Spring.</i>	<b>APK 3400</b> <b>COS-PSYCH</b> <b>3(3,0)</b> <b>Sports Psychology:</b> A review of principles of psychology related to the enhancement of satisfaction and performance in sports. <i>Occasional.</i>
<b>ANT 4013</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Anthropological Perspectives on Fast Food:</b> PR: ANT 2000 or ANT 2410 or C.I. Anthropological research on corporate fast food in diverse cultural settings. <i>Occasional.</i>	<b>ANT 4462</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Medical Anthropology:</b> PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. <i>Occasional.</i>	<b>ARA 1120C</b> <b>CAH-LANG</b> <b>4(3,1)</b> <b>Elementary Arabic Language and Civilization I:</b> Introduces the student to Arabic language skills. Open only to students with no experience in the language. <i>Fall.</i>
<b>ANT 4034</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>History of Anthropological Thought:</b> PR: ANT 2410 or C.I. The exploration of the intellectual foundations of modern anthropology. <i>Spring.</i>	<b>ANT 4467</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Nutritional Anthropology:</b> PR: One 2000 level course in social sciences and one 2000 level course in biological sciences or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. <i>Occasional.</i>	<b>ARA 1120H</b> <b>CAH-LANG</b> <b>4(4,1)</b> <b>Honors Elementary Arabic Language and Civilization I:</b> PR: Permission of Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. <i>Occasional.</i>
<b>ANT 4144</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Prehistory of North America:</b> PR: Any lower level course in the social sciences. The rise of North American Native culture from the earliest evidence of human occupation in the New World: e.g., the Folsom, Clovis, Sandia, etc., to the time of contact with European cultures. <i>Occasional.</i>	<b>ANT 4516</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Human Biological Diversity:</b> PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. <i>Occasional.</i>	<b>ARA 1121C</b> <b>CAH-LANG</b> <b>4(3,1)</b> <b>Elementary Arabic Language and Civilization II:</b> PR: ARA 1120C or C.I. Continuation of ARA 1120C. <i>Spring.</i>
<b>ANT 4153</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>North American Archaeology:</b> PR: any lower level social science course. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. <i>Occasional.</i>	<b>ANT 4521</b> <b>COS-ANTHRO</b> <b>3(3,0)</b> <b>Forensic Anthropology:</b> PR: ANT 2511 or C.I. The study of human skeletal remains in relation to a legal context. <i>Occasional.</i>	<b>ARA 1121H</b> <b>CAH-LANG</b> <b>4(4,1)</b> <b>Honors Elementary Arabic Language and Civilization II:</b> PR: Permission of Honors. Continuation of ARA 1120H. Honors level content. <i>Occasional.</i>
		<b>ARA 2200</b> <b>CAH-LANG</b> <b>3(3,1)</b> <b>Intermediate Arabic Language and Civilization I:</b> PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. <i>Occasional.</i>

## UCF Courses and Descriptions

**ARA 2201 CAH-LANG 3(3,0)**  
**Intermediate Arabic II:** PR: ARA 2200 or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. *Fall, Spring.*

**ARC 3181 CAH-CAH 3(3,0)**  
**Advanced Topics in Digital Architecture:** PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. *Odd Spring.*

**ARC 3320L CAH-CAH 6(0,9)**  
**Architectural Design 5:** PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. *Even Fall.*

**ARC 3321L CAH-CAH 6(0,9)**  
**Architectural Design 6:** 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 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. *Even Spring.*

**ARC 3503 CAH-CAH 3(3,0)**  
**Architectural Structures:** PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstanding 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 3321L. 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, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. *Even Fall.*

**ARC 4220 CAH-CAH 3(3,0)**  
**Architectural Theory 2:** CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. *Odd Fall.*

**ARC 4322L CAH-CAH 6(0,9)**  
**Architectural Design 7:** PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. *Odd Fall.*

**ARC 4323L CAH-CAH 6(0,9)**  
**Architectural Design 8:** PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. *Even Spring.*

**ARC 4620 CAH-CAH 3(3,0)**  
**Environmental Technology 2:** CR: ARC 4322L. PR: ARC 3610 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications. *Odd Fall.*

**ARE 2000 ED-CFCS 3(3,0)**  
**Early Childhood Art and Creativity:** An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. *Occasional.* M&S fee \$5.00

**ARE 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: EDG 4323 and at least junior standing or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. *Occasional.*

**ARE 4262 CAH-SVAD 3(3,0)**  
**Methods in Art Administration:** PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. *Occasional.*

**ARE 4313 ED-TL&L 1(1,0)**  
**Art in the Elementary School:** PR: EDF 2005; CR: MUE 3210, HLP 4722, RED 4519, MAE 4326, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. *Fall, Spring.* M&S fee \$5.00

**ARE 4351 ED-TL&L 3(2,1)**  
**Teaching Art in the Elementary School:** PR: EDF 4214 and EDG 4323. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. *Fall.* M&S fee \$5.00

**ARE 4352 ED-TL&L 3(2,1)**  
**Teaching Art in the Secondary School:** PR: EDF 4214, and EDG 4323. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. *Spring.* M&S fee \$5.00

**ARE 4356 ED-TL&L 3(3,1)**  
**Teaching Art Appreciation & Criticism in the Classroom:** PR: 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: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. *Spring.* M&S fee \$5.00

**ARE 4945 CAH-SVAD 12(0,12)**  
**Community Arts Internship:** PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. *Occasional.*

**ARE 5251 ED-TL&L 3(2,1)**  
**Art for Exceptionalities:** Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. *Occasional.*

**ARE 5255 ED-TL&L 3(2,1)**  
**Arts in Recreation:** Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. *Occasional.*

**ARE 5359 ED-TL&L 4(4,0)**  
**Teaching Art K-12:** PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. *Occasional.* M&S fee \$5.00

**ARE 5454 ED-TL&L 3(3,0)**  
**Studio Experiences in Art Education:** PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. *Spring.* M&S fee \$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 Non-Western Art:** Major visual arts in various non-Western cultures. *Fall, Spring.*

**ARH 3454 CAH-SVAD 3(3,0)**  
**Happenings and Conceptual Art:** PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to break down customary distinctions between life and art. *Occasional.*

**ARH 3471 CAH-SVAD 3(3,0)**  
**Art in the Last 25 Years:** PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. *Occasional.*

**ARH 3520 CAH-SVAD 3(3,0)**  
**African Art:** PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and African sites; with some consideration of arts of the African Diaspora. *Occasional.*

**ARH 3570 CAH-SVAD 3(3,0)**  
**Ceramics of the Muslim World:** PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. *Occasional.*

**ARH 3610 CAH-SVAD 3(3,0)**  
**American Art:** PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. *Occasional.*

**ARH 3631 CAH-AAS 3(3,0)**  
**African-American Art:** PR: ENC 1102 or C.I. Historical survey of art produced by working artists of African heritage and representations of African-American life by these and other artists. *Occasional.*

**ARH 3632H CAH-SVAD 3(3,0)**  
**Honors: African American Arts Seminar:** PR: Permission of Honors. An exploration of traditional, academic, and contemporary urban African American visual arts. *Occasional.*

**ARH 3670 CAH-SVAD 3(3,0)**  
**20th Century Latin American Art:** PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. *Occasional.*

**ARH 3673 CAH-SVAD 3(3,0)**  
**Modern Art of Mexico:** PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980's. *Occasional.*

**ARH 3674 CAH-SVAD 3(3,0)**  
**Latin American Popular Visual Culture:** PR: ANT 4332 or C.I. Latin American popular culture beyond "fine art," produced in Latin America, the United States, and the Caribbean. *Odd Spring.*

## UCF Courses and Descriptions

- ARH 3683 CAH-SVAD 3(3,0)**  
**Southern Folk Arts:** PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. *Occasional.*
- ARH 3710 CAH-SVAD 3(3,0)**  
**History of Photography I:** PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. *Occasional.*
- ARH 3713 CAH-SVAD 3(3,0)**  
**20th Century Photographic History:** PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. *Occasional.*
- ARH 3720 CAH-SVAD 3(3,0)**  
**History of Prints:** PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the "great printmakers." *Occasional.*
- ARH 3728 CAH-SVAD 3(3,0)**  
**History of Illustration:** PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. *Occasional.*
- ARH 3820 CAH-SVAD 3(3,0)**  
**Visual Arts Administration Vitas:** PR: Junior Standing or C.I. Grant applications; Personnel; copyright laws; museum practices, etc. *Occasional.*
- ARH 3842 CAH-SVAD 3(3,0)**  
**Art History Abroad: Italy:** PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. *Occasional.*
- ARH 4130 CAH-SVAD 3(3,0)**  
**Greek Art and Architecture:** PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. *Occasional.*
- ARH 4150 CAH-SVAD 3(3,0)**  
**Roman Art and Architecture:** PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. *Occasional.*
- ARH 4200 CAH-SVAD 3(3,0)**  
**Medieval Art:** PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. *Occasional.*
- ARH 4310 CAH-SVAD 3(3,0)**  
**Italian Renaissance Art:** PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. *Occasional.*
- ARH 4350 CAH-SVAD 3(3,0)**  
**Baroque Art:** PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. *Occasional.*
- ARH 4352 CAH-SVAD 3(3,0)**  
**Italian Baroque Art:** PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. *Occasional.*
- ARH 4430 CAH-SVAD 3(3,0)**  
**19th Century Art:** PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. *Occasional.*
- ARH 4450 CAH-SVAD 3(3,0)**  
**20th Century Art:** PR: ARH 2050 and ARH 2051 or C.I. A survey of 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)**  
**Meso American Art:** PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Colombia, 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 2130C CAH-SVAD 3(3,0)**  
**Fibers & Fabrics:** Design and production training in surface design, floor loom weaving and fiber sculpture. *Occasional.* M&S fee \$5.00
- ART 2160C ED-TL&L 3(2,3)**  
**Metals, Woods, Leathers and Stones:** Processes and techniques of production. *Occasional.*
- ART 2201C CAH-SVAD 3(2,4)**  
**Design Fundamentals-Two Dimensional:** PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory. *Fall, Spring.* M&S fee \$15.00
- ART 2201H CAH-SVAD 3(2,4)**  
**Honors Design Fundamentals-Two Dimensional:** PR: ART 2823. Priority given to students whose major requires this course. Permission of Honors. Materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. *Occasional.*
- ART 2203C CAH-SVAD 3(2,4)**  
**Design Fundamentals-Three Dimensional:** PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. *Fall, Spring.* M&S fee \$15.00
- ART 2300C CAH-SVAD 3(2,4)**  
**Drawing Fundamentals I:** PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. *Fall, Spring.* M&S fee \$10.00
- ART 2300H CAH-SVAD 3(2,4)**  
**Honors Drawing Fundamentals I:** PR: ART 2823 and Consent of Honors. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. With Honors content. *Occasional.* M&S fee \$10.00
- ART 2301C CAH-SVAD 3(2,4)**  
**Drawing Fundamentals II:** PR: ART 2300C or C.I. Priority given to students whose major requires this course. Continuation of ART 2300C. *Fall, Spring.* M&S fee \$10.00
- ART 2394 CAH-SVAD 3(3,0)**  
**Drawing: Computer as a Medium:** Object drawing, using the computer and drawing stylus as a medium. *Occasional.*
- ART 2400C CAH-SVAD 3(2,4)**  
**Beginning Printmaking:** Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. *Occasional.*
- ART 2500C CAH-SVAD 3(2,4)**  
**Beginning Painting:** PR: ART 2300C, ART 2201C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. *Occasional.* M&S fee \$15.00
- ART 2701C CAH-SVAD 3(2,4)**  
**Sculpture:** 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 Ceramics:** PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. *Fall, Odd Spring.* M&S fee \$35.00
- ART 2823 CAH-SVAD 3(3,0)**  
**Art as Interface:** An overview of art department specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetic characteristics shared by the various disciplines and how knowledge of these data is used by the profession to share information with the community. *Fall, Spring.*
- ART 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 3161 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)**  
**Book Binding:** PR: ART 2201C, ART 2203C, and ART 2823. Basic book binding techniques, methods, structures, and production of books. *Occasional.* M&S fee \$44.00
- 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, ART 2301C, and ART 3170C. Drawing, printmaking, and painting combined with guided research at the Orlando Museum of Art culminating in a handbound Visual Book. *Occasional.* M&S fee \$44.00
- ART 3176C CAH-SVAD 3(2,4)**  
**The Illuminated Book:** PR: ART 2201C, ART 2300C, ART 2300C, ART 2301C, 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 3321C CAH-SVAD 3(2,4)**  
**Drawing Intensive:** PR: Any 2000 level Art History. Drawing concepts and techniques emphasizing observation from still life and the human figure to prepare students for Sophomore portfolio review. *Occasional.*
- ART 3332C CAH-SVAD 3(2,4)**  
**Intermediate Drawing:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. *Fall, Spring.*
- ART 3433C CAH-SVAD 3(2,4)**  
**Screenprinting:** PR: ART 2201C, ART 2300C, ART 2400C. Techniques of waterbase screenprinting, including digital/photo processes and practical applications of screenprinting as a means for image making. *Occasional.*
- ART 3504C CAH-SVAD 3(2,4)**  
**Intermediate Painting:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. *Fall, Even Spring.* M&S fee \$15.00

# UCF Courses and Descriptions

**ART 3616C CAH-SVAD 3(3,0)**  
**Animation Production Methods:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. *Occasional.* M&S fee \$15.00

**ART 3618 CAH-SVAD 3(3,0)**  
**Post-Production Design:** PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. *Occasional.*

**ART 3643C CAH-SVAD 3(2,4)**  
**Digital Effects & Compositing:** PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. *Fall, Spring.* M&S fee \$45.00

**ART 3709C CAH-SVAD 3(2,4)**  
**Intermediate Sculpture:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and successful portfolio review. Examines the concepts of three-dimensional forms. *Fall, Spring.* M&S fee \$45.00

**ART 3737C CAH-SVAD 3(2,4)**  
**Narrative Sculpture:** PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. *Occasional.*

**ART 3761C CAH-SVAD 3(2,4)**  
**Intermediate Ceramics:** PR: ART 2201C, ART 2203C, ART 2300C and ART 2301C. Continuation of ceramic processes. *Fall, Spring.* M&S fee \$35.00

**ART 3764C CAH-SVAD 3(2,4)**  
**Ceramic Handbuilding I:** PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. *Occasional.* M&S fee \$35.00

**ART 3833C CAH-SVAD 3(4,2)**  
**Processes and Ideas in Art:** PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These "formative activities" must be manifested by students in the form of small sculptures and/or other forms of creativity. *Occasional.*

**ART 3833C CAH-SVAD 3(2,4)**  
**Honors Processes and Ideas in Art:** PR: Junior Standing and Consent of Honors. Generation of new insights concerning artistic expression with an emphasis on the individual creation of visual art objects. With Honors content. *Occasional.*

**ART 3950 CAH-SVAD 0(0,0)**  
**Portfolio Review:** PR: ARH 2050, ARH 2051, ART 2823, ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Determines competencies in studio foundations work. Satisfactory completion of portfolio review is required to enroll in upper division studio classes. Graded S/U. *Fall, Spring.*

**ART 3951C CAH-SVAD 3(2,4)**  
**Design Intensive:** PR: Any 2000 level Art History. Interdisciplinary design course emphasizing visual literacy skills and finished design projects with real world clients. Course covers two and three dimensional design content. *Occasional.*

**ART 4132C CAH-SVAD 3(2,4)**  
**Advanced Fiber And Fabrics:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2130C, and a satisfactory portfolio review or C.I. Textile design and production, including non-loom weaving processes. May be repeated for credit. *Occasional.* M&S fee \$5.00

**ART 4172C CAH-SVAD 3(2,4)**  
**Book Repair and Restoration:** PR: ART 2201C, ART 2203C, and ART 3170C. Mending, repairing, and rebinding books from the Library and Special Collections. *Occasional.*

**ART 4173C CAH-SVAD 3(2,4)**  
**The Artist Book:** PR: ART 2201C and ART 2203C. Definition of book from traditional hand-made to contemporary artist book. Redefining the elements, structure and content of books and the binding and printing methods in book production. *Occasional.* M&S fee \$25.00

**ART 4174C CAH-SVAD 3(2,4)**  
**The Printed Book:** PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of the printed book including binding techniques to make artist books. *Occasional.* M&S fee \$23.00

**ART 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)**  
**Post Production for Animators:** PR: FIL 3734C. Concepts and tools for finishing computer and traditional animations on film and video. Emphasis on compositing tools to combine elements in a finished animation. *Occasional.*

**ART 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(2,4)**  
**Advanced Printmaking:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May be repeated for credit. *Even Fall, Spring.* M&S fee \$30.00

**ART 4505C CAH-SVAD 3(2,4)**  
**Advanced Painting:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3504C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. *Fall, Spring.* M&S fee \$15.00

**ART 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)**  
**Books Without Books:** PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. The use of technology for alternative presentation of sequential ideas in space and time. May be repeated for credit. *Occasional.*

**ART 4710C CAH-SVAD 3(2,4)**  
**Advanced Sculpture:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. *Fall, Spring.* M&S fee \$45.00

**ART 4765C CAH-SVAD 3(2,4)**  
**Ceramic Handbuilding II:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. *Occasional.* M&S fee \$35.00

**ART 4780C CAH-SVAD 3(2,4)**  
**Kiln Design and Building:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C, and a satisfactory portfolio review or C.I. The design and construction of kilns, use of refractory materials, and the theory of efficient fuel combustion. *Occasional.* M&S fee \$35.00

**ART 4783C CAH-SVAD 3(2,4)**  
**Advanced Ceramics:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic process. May be repeated for credit. *Fall, Spring.* M&S fee \$34.99

**ART 4786C CAH-SVAD 3(2,4)**  
**Ceramic Raw Material:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. An in-depth understanding of the singular and diverse properties of clay and glaze materials. *Occasional.* M&S fee \$35.00

**ART 4935 CAH-SVAD 3(3,1)**  
**BFA Exhibit/Seminar:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. *Spring.* M&S fee \$15.00

**ART 4945L CAH-SVAD 6(0,6)**  
**Advanced Design Lab:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. *Occasional.*

**ART 4954 CAH-SVAD 3(3,0)**  
**Scotland Study Abroad:** PR: ART 2823, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. *Occasional.*

**ART 4971 CAH-SVAD 3(2,4)**  
**Senior Thesis:** PR: Senior Standing, Art major, and C.I. A capstone thesis for Art Animation majors. May be repeated for credit. *Occasional.* M&S fee \$45.00

**ART 5109C CAH-SVAD 3(2,4)**  
**Multi-Cultural Crafts Design:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. The content of this course will include an appreciation for and the production of Western and Non-Western art forms. *Occasional.*

**ART 5280C CAH-SVAD 3(3,3)**  
**Serial Content and Classic Form I:** PR: Admission to MFA. Studio course exploring serial imaging history, photographs, alphabet development, typographic design, and the computer as sequenced design concepts and tools. *Fall.* M&S fee \$45.00

**ART 5284 CAH-SVAD 3(3,0)**  
**Design Theory and Methods:** PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. *Fall.* M&S fee \$45.00

**ART 5670C CAH-SVAD 3(2,4)**  
**Digital Illustration:** CR: ART 6683C. Methods and media effects usually associated with traditional illustration in a digital platform. *Spring.* M&S fee \$45.00

**ART 5694 CAH-SVAD 3(3,0)**  
**Crosscultural Electronic Art and Design:** PR: Admission to MFA. Explores digital/electronic art and technology from mid-20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. *Spring.*

**ART 5695 CAH-SVAD 3(3,0)**  
**WebArt I:** PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. *Spring.* M&S fee \$45.00

**ART 5696 CAH-SVAD 3(3,0)**  
**Art, Design and Human Interactions:** PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. *Spring.*

**ART 5698 CAH-SVAD 3(3,0)**  
**Concourse I:** PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works. *Fall.* M&S fee \$45.00

**ART 5745 CAH-SVAD 3(3,0)**  
**Physical and Virtual Sculpture:** PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches to the creation of 3D sculptural objects. *Occasional.*

**ART 5811C CAH-SVAD 3(3,1)**  
**The Professional Practice of Art:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. *Fall.* M&S fee \$45.00



## UCF Courses and Descriptions

<b>ART 5910</b>	<b>CAH-SVAD</b>	<b>3(3,0)</b>	<b>ASL 2140</b>	<b>HPA-COM SC&amp;DIS</b>	<b>4(4,0)</b>	<b>AST 3110</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Studio Concentration I:</b> 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. <i>Fall, Spring.</i> M&S fee \$45.00			<b>Introduction to American Sign Language:</b> Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. <i>Fall, Spring.</i>			<b>Solar System Astronomy:</b> PR: AST 2002, PHY 2053C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. <i>Even Fall.</i>		
<b>ART 5934</b>	<b>CAH-SVAD</b>	<b>3(3,0)</b>	<b>ASL 2150</b>	<b>HPA-COM SC&amp;DIS</b>	<b>4(4,0)</b>	<b>AST 3211</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Concepts of Contemporary Art:</b> PR: Graduate standing or C.I. Current issues in contemporary international art. Graded S/U. <i>Occasional.</i>			<b>Intermediate American Sign Language:</b> PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. <i>Fall, Spring.</i>			<b>Stellar Astrophysics:</b> PR: AST 2002, PHY 2053C. The physics and dynamics of stars, including star formation and stellar evolution. <i>Occasional.</i>		
<b>ART 5941</b>	<b>CAH-SVAD</b>	<b>1(1,0)</b>	<b>ASL 2510</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>AST 3402</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Graduate Practicum I:</b> PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. <i>Occasional.</i>			<b>Issues of Deafness:</b> 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. <i>Occasional.</i>			<b>Galaxies and Cosmology:</b> PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. <i>Odd Fall.</i>		
<b>ASH 3222</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>ASL 3444</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>AST 3722C</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Islam and Its Empires:</b> PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 16th century. <i>Occasional.</i>			<b>Introduction to Signed English and Culture of the Deaf:</b> Vocabulary and grammar through introductory level. Conceptual basis of ASL discussed. <i>Occasional.</i>			<b>Techniques of Observational Astronomy:</b> PR: AST 2002, PHY 2048C. Fundamental principles and techniques used in planning, reducing, and analyzing modern astronomical observations. Numerical treatment of photometry, spectroscopy, and CCD images. <i>Even Spring.</i>		
<b>ASH 3223</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>ASL 4161C</b>	<b>HPA-COM SC&amp;DIS</b>	<b>4(3,1)</b>	<b>AST 4142</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>The Modern Middle East:</b> PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. <i>Occasional.</i>			<b>American Sign Language III:</b> PR: ASL 2150. Conversation. Emphasis on refining fluency receptively and expressively. Practicum with the deaf community. <i>Occasional.</i>			<b>Asteroids, Comets, and Meteorites:</b> PR: AST 2002, AST 3110, and AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. <i>Occasional.</i>		
<b>ASH 4233</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>ASL 4201</b>	<b>HPA-COM SC&amp;DIS</b>	<b>4(4,0)</b>	<b>AST 4152</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Ottoman Empire:</b> PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. <i>Occasional.</i>			<b>American Sign Language IV:</b> PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. <i>Occasional.</i>			<b>Planetary Geophysics:</b> PR: AST 2002, PHY 2053C, and Senior standing, or C.I. Physics of planetary evolution, planetary interiors, and planetary surface processes. <i>Even Fall.</i>		
<b>ASH 4243</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>ASL 4301</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>AST 4501</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>History of Iraq:</b> PR: WOH 2012 and WOH 2022. Modern Iraqi history through a set of interrelated monographic studies that focus on the political and legal components of the Iraqi state. <i>Occasional.</i>			<b>Structure of American Sign Language:</b> PR: ASL 2140 and ASL 2150 or C.I. Study of phonologic, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. <i>Occasional.</i>			<b>Celestial Mechanics:</b> PR: PHY 2048C, AST 2002. The orbital motions of celestial bodies, including orbit calculation, perturbation theory, and Hohmann transfer orbits. <i>Occasional.</i>		
<b>ASH 4304</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>ASL 4435</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>AST 4700</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Women in China:</b> PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Historical changes and continuities in experiences of Chinese women during the traditional period, the modern era and contemporary times. <i>Occasional.</i>			<b>Fingerspelling:</b> PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. <i>Occasional.</i>			<b>Experimental Methods in Astronomy:</b> PR: AST 2002, PHY 2048, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics: spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. <i>Even Spring.</i>		
<b>ASH 4402</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>ASL 4700</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>AST 4762C</b>	<b>COS-PHYS</b>	<b>3(3,1)</b>
<b>History of Chinese Civilization:</b> PR: EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Chinese history from its pre-historical genesis until the 18th century. <i>Occasional.</i>			<b>Literature of Signed Languages:</b> PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. <i>Occasional.</i>			<b>Astronomical Data Analysis:</b> 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. <i>Fall.</i>		
<b>ASH 4404</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AST 2002</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>	<b>AST 5154</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>China in 19th and 20th Centuries:</b> PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. <i>Occasional.</i>			<b>Astronomy:</b> 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. <i>Fall, Spring.</i>			<b>Advanced Planetary Geophysics:</b> PR: Admission to Physics MS or PhD or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. <i>Even Fall.</i>		
<b>ASH 4442</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AST 2002H</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>	<b>AST 5165</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>Modern Japan, 19th and 20th Centuries:</b> PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. <i>Occasional.</i>			<b>Honors Astronomy:</b> PR: Permission of Honors. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Honors level content. <i>Occasional.</i>			<b>Planetary Atmospheres:</b> 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. <i>Even Spring.</i>		
<b>ASH 5227</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AST 2002L</b>	<b>COS-PHYS</b>	<b>1(0,3)</b>	<b>AST 5263</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>The Arab-Israeli Conflict:</b> PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. <i>Occasional.</i>			<b>Astronomy Lab:</b> CR: AST 2002. Laboratory experiments covering selected topics in astronomy related to AST 2002. <i>Occasional.</i> M&S fee \$9.00			<b>Advanced Observational Astronomy:</b> 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. <i>Even Spring.</i>		
<b>ASH 5229</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AST 2037</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>	<b>AST 5334</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>
<b>History of the Middle East:</b> PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i>			<b>Life in the Universe:</b> 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. <i>Occasional.</i>			<b>Extrasolar Planets and Brown Dwarfs:</b> PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. <i>Odd Spring.</i>		
<b>ASH 5408</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>AST 2720L</b>	<b>COS-PHYS</b>	<b>1(0,2)</b>			
<b>Colloquium in Modern China:</b> PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. <i>Occasional.</i>			<b>Astronomy Techniques:</b> 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. <i>Fall, Spring.</i>					
<b>ASH 5485</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>						
<b>U.S. China Relations:</b> PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. <i>Even Fall.</i>								



## UCF Courses and Descriptions

**AST 5765C COS-PHYS 3(3,1)**  
**Advanced Astronomical Data Analysis:** PR: MAC 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.*

**ATR 2010C ED-CFCS 3(2,1)**  
**Athletic Injuries: Mechanisms and Prevention:** PR: PET 2084. The prevention, identification, care, and rehabilitation of human injuries. *Fall, Spring.*

**ATR 3012C HPA-HP 2(1,1)**  
**Clinical Skills for Athletic Trainers I:** PR: ZOO 3733C or ZOO 3736C; and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. *Fall.* M&S fee \$30.81

**ATR 3013C HPA-HP 2(1,1)**  
**Clinical Skills for Athletic Training II:** PR: ZOO 3733C or ZOO 3736C; and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. *Spring.* M&S fee \$15.00

**ATR 3102 HPA-HP 3(3,0)**  
**Principles of Athletic Training:** PR: ZOO 3733C or ZOO 3736C; PCB 3703C; and Athletic Training majors only or C.I. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. *Occasional.* M&S fee \$15.00

**ATR 3203C HPA-HP 3(2,1)**  
**Upper Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Upper extremity functional anatomy, manual muscle testing and goniometry. *Spring.*

**ATR 3204C HPA-HP 3(2,1)**  
**Lower Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. *Fall.*

**ATR 3212C HPA-HP 3(2,2)**  
**Recognition and Evaluation of Athletic Injuries I:** PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. *Fall.*

**ATR 3312C HPA-HP 3(2,1)**  
**Injury, Management, and Rehabilitation:** PR: ZOO 3733C or ZOO 3736C; COHPA Students only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. *Fall.*

**ATR 3812L HPA-HP 4(0,16)**  
**Practicum in Athletic Training I:** PR: ATR 3102. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. *Fall, Spring.*

**ATR 3822L HPA-HP 4(0,16)**  
**Practicum in Athletic Training II:** PR: ATR 3812L. Continuation of clinical practicum under direct supervision of certified athletic trainer. *Fall, Spring.*

**ATR 4014C HPA-HP 3(2,2)**  
**Introduction to Athletic Training:** PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. *Occasional.* M&S fee \$33.50

**ATR 4103 HPA-HP 3(3,0)**  
**Sports Medicine Field Application:** Demonstration and application of the treatment for various sports injuries. *Spring.*

**ATR 4132 ED-CFCS 3(3,0)**  
**Human Injuries: Mechanisms & Prevention:** PR: Admission to Sport and Fitness program, ATR 2010C and ZOO 3736C, PET 4312C (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. *Fall, Spring.*

**ATR 4213C HPA-HP 3(2,2)**  
**Recognition and Evaluation of Athletic Injuries II:** PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. *Spring.*

**ATR 4302C HPA-HP 4(2,4)**  
**Therapeutic Modalities in Athletic Training:** PR: ATR 4213C. Principles and techniques for applying therapeutic modalities. *Occasional.*

**ATR 4313C HPA-HP 4(2,4)**  
**Therapeutic Exercise in Athletic Training:** PR: ATR 3212C. Rehabilitation processes regarding exercise progression for athletic injury. *Occasional.*

**ATR 4315C HPA-HP 3(1,2)**  
**Advanced Rehabilitation in Athletic Training:** PR: Athletic Training majors only. ATR 4313C or C.I. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. *Fall.*

**ATR 4512C HPA-HP 3(3,0)**  
**Organization and Administration of Athletic Training:** PR: ATR 3822L. Administrative knowledge in the athletic training profession. *Fall.*

**ATR 4832L HPA-HP 4(0,16)**  
**Practicum in Athletic Training III:** PR: ATR 3822L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. *Fall, Spring.*

**ATR 4842L HPA-HP 4(0,16)**  
**Practicum in Athletic Training IV:** PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. *Fall, Spring.*

**ATR 4933 HPA-HP 1(1,0)**  
**Athletic Training Seminar:** PR: ATR 4302C, ATR 4302C, and Senior standing. National Examination review and introduction to related allied health professionals. *Spring.*

**ATR 5144 ED-CFCS 3(3,0)**  
**Advanced Human Injuries:** PR: ATR 2010C or C.I. The application of medical knowledge to sport with the emphasis on preserving the health of an athlete before, during and after performance. *Occasional.*

**BCH 4053 COS-CHEM 3(3,0)**  
**Biochemistry I:** PR: CHM 2211. A consideration of proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and inter-relationship of intermediary metabolism. *Fall, Spring.*

**BCH 4053H COS-CHEM 3(3,0)**  
**Honors Biochemistry I:** PR: CHM 2211 and consent of Honors. Proteins, carbohydrates, nucleic acids, enzymes and their effect on biochemical systems, and inter-relationship of intermediary metabolism. With Honors content. *Occasional.*

**BCH 4054 COS-CHEM 3(3,0)**  
**Biochemistry II:** PR: BCH 4053. Continuation of BCH 4053. *Spring.*

**BCH 4103L COS-CHEM 2(0,6)**  
**Biochemical Methods:** PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. *Spring.* M&S fee \$70.00

**BME 5572 ECS-ECE 3(3,0)**  
**Biomedical Nanotechnology:** PR: EEL 3123C or C.I. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biochips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. *Spring.*

**BOT 3018C COS-BIOL 3(1,2)**  
**Culinary Botany Across the Cultures:** PR: BOT 3802, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. *Occasional.* M&S fee \$9.50

**BOT 3152C COS-BIOL 3(1,4)**  
**Local Flora:** PR: BSC 2010C and BSC 2011C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. *Occasional.*

**BOT 3802 COS-BIOL 3(3,0)**  
**Ethnobotany:** PR: BSC 2011C or C.I. Historical and modern uses of plants economically important in various cultures. *Spring.*

**BOT 3820C COS-BIOL 3(2,1)**  
**Plants and the Urban Environment:** PR: Junior standing or C.I. The selection, placement, propagation and care of ornamental plants in residential and industrial areas. For non-majors only. *Occasional.* M&S fee \$15.00

**BOT 4156C COS-BIOL 4(2,6)**  
**Florida Wildflowers:** PR: BSC 2010C, BSC 2011C, BOT 4303C, or C.I. The biology of wildflowers of Florida, their identification, taxonomy, distribution, flowering times, and roles played in the environment and welfare of man. *Occasional.* M&S fee \$15.00

**BOT 4223C COS-BIOL 4(3,3)**  
**Plant Anatomy:** PR: BSC 2010C and BSC 2011C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. *Occasional.* M&S fee \$15.00

**BOT 4303C COS-BIOL 5(3,6)**  
**Plant Kingdom:** PR: BSC 2010C and BSC 2011C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. *Occasional.* M&S fee \$40.00

**BOT 4434C COM-M&M 4(3,1)**  
**General Mycology:** PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. *Occasional.*

**BOT 4503 COS-BIOL 3(3,0)**  
**Plant Physiology:** PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. *Occasional.*

**BOT 4503L COS-BIOL 1(0,3)**  
**Plant Physiology Laboratory:** CR: BOT 4503. The laboratory to accompany BOT 4503. *Occasional.* M&S fee \$15.00

**BOT 4686C COS-BIOL 4(3,3)**  
**Conservation and Management of Native Plants:** PR: BOT 4713C, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. *Occasional.*

**BOT 4713C COS-BIOL 5(3,6)**  
**Plant Taxonomy:** PR: BSC 2010C and BSC 2011C, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. *Occasional.* M&S fee \$45.00

**BOT 4850 COS-BIOL 3(3,0)**  
**Medicinal Botany:** PR: BSC 2011C, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. *Even Fall.*

**BSC 1005 COS-BIOL 3(3,0)**  
**Biological Principles:** A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. *Fall, Spring.*

**BSC 1005H COS-BIOL 3(3,0)**  
**Biological Principles-Honors:** PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. *Occasional.*

**BSC 1005L COS-BIOL 1(0,2)**  
**Biological Principles Laboratory:** CR: BSC 1005. The laboratory to accompany BSC 1005. *Fall, Spring.* M&S fee \$15.00



## UCF Courses and Descriptions

<b>BSC 1050</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>BSC 4312C</b>	<b>COS-BIOL</b>	<b>4(3,3)</b>	<b>BSC 5418</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>
<b>Biology and Environment:</b> Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. <i>Occasional.</i>			<b>Marine Biology:</b> PR: PCB 3044 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. <i>Even Spring.</i> M&S fee \$45.00			<b>Tissue Engineering:</b> PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. <i>Occasional.</i>		
<b>BSC 1050H</b>	<b>COS-BIOL</b>	<b>3(1,4)</b>	<b>BSC 4330</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>BSC 5436</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>
<b>Biology and Environment-Honors:</b> PR: Permission of Honors. Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Field trips required. Designed for Honors non-majors. <i>Occasional.</i>			<b>Invasion Biology:</b> PR: PCB 3044 and PCB 4683, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. <i>Even Spring.</i>			<b>Biomedical Informatics : Structure Analysis:</b> PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. <i>Fall.</i>		
<b>BSC 1050L</b>	<b>COS-BIOL</b>	<b>1(0,2)</b>	<b>BSC 4422L</b>	<b>COS-BIOL</b>	<b>1-4(0,3-12)</b>	<b>BSC 5824</b>	<b>COS-BIOL</b>	<b>4(4,0)</b>
<b>Biology and Environment Laboratory:</b> CR: BSC 1050. The laboratory to accompany BSC 1050. <i>Occasional.</i> M&S fee \$15.00			<b>Biology Laboratory Techniques:</b> PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. <i>Occasional.</i>			<b>Biogeography:</b> PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. <i>Occasional.</i> M&S fee \$15.00		
<b>BSC 2010C</b>	<b>COS-BIOL</b>	<b>4(3,2)</b>	<b>BSC 4434</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>BTE 4410</b>	<b>ED-E&amp;HS</b>	<b>3(3,0)</b>
<b>Biology I:</b> PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. <i>Fall, Spring.</i> M&S fee \$15.00			<b>Biomedical Informatics: Sequence Analysis:</b> PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. <i>Fall.</i>			<b>Course Construction in Business Education:</b> PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. <i>Occasional.</i>		
<b>BSC 2010H</b>	<b>COS-BIOL</b>	<b>4(3,3)</b>	<b>BSC 4439</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>BUL 3130</b>	<b>BA-ACCT</b>	<b>4(4,0)</b>
<b>General Biology Honors:</b> PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. <i>Fall, Spring.</i> M&S fee \$24.00			<b>Biomedical Informatics: Structure Analysis:</b> PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. <i>Spring.</i>			<b>Legal and Ethical Environment of Business:</b> PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. <i>Fall, Spring.</i>		
<b>BSC 2011C</b>	<b>COS-BIOL</b>	<b>4(3,3)</b>	<b>BSC 4454</b>	<b>COS-BIOL</b>	<b>2(0,2)</b>	<b>BUL 3130H</b>	<b>BA-ACCT</b>	<b>4(4,0)</b>
<b>Biology II:</b> PR: BSC 2010C or C.I. Preference will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. <i>Fall, Spring.</i> M&S fee \$20.00			<b>Research in Animal Physiology:</b> PR: PCB 4723. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. <i>Occasional.</i>			<b>Legal &amp; Ethical Environment of Business - Honors:</b> PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. <i>Occasional.</i>		
<b>BSC 2011H</b>	<b>COS-BIOL</b>	<b>4(2,6)</b>	<b>BSC 4821</b>	<b>COS-BIOL</b>	<b>4(4,0)</b>	<b>BUL 4540</b>	<b>BA-MAN</b>	<b>3(3,0)</b>
<b>Honors Biodiversity:</b> PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM "text," relevant video programs and readings written by authorities in the field. <i>Occasional.</i>			<b>Biogeography:</b> PR: PCB 3063 and PCB 4683 or ZOO 4310C or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. <i>Occasional.</i>			<b>Employment Law:</b> PR: Management major or minor, MAN 3025, CR: MAN 3301. An examination of current employment law and issues/trends in the legal environment impacting human resource management system design, HRM policy and employee relations. <i>Fall, Spring.</i>		
<b>BSC 2420</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>BSC 4861L</b>	<b>COS-BIOL</b>	<b>3(0,3)</b>	<b>BUL 5332</b>	<b>BA-ACCT</b>	<b>3(3,0)</b>
<b>Principles of Biotechnology:</b> Principles, applications, laws, ethics and impact on society of biotechnology in agriculture, medicine, forestry, environment, computers/industrial/chemical engineering and business management. <i>Occasional.</i>			<b>SL Sustainability: Socially &amp; Economically Viable Environmental Protection:</b> PR: BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. <i>Occasional.</i>			<b>Advanced Business Law Topics:</b> PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. <i>Fall, Spring.</i>		
<b>BSC 3403C</b>	<b>COM-M&amp;M</b>	<b>4(3,4)</b>	<b>BSC 4937</b>	<b>COS-BIOL</b>	<b>2(0,2)</b>	<b>BUL 5810</b>	<b>BA-ACCT</b>	<b>3(3,0)</b>
<b>Quantitative Biological Methods:</b> PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. <i>Fall, Spring.</i> M&S fee \$59.00			<b>Instructional Experiences in Undergraduate Biology:</b> PR: PCB 3063, Biology major with 80 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. May be repeated for credit. Graded S/U. <i>Fall, Spring.</i>			<b>Legal and Social Environment of Business:</b> PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. <i>Occasional.</i>		
<b>BSC 3403H</b>	<b>COM-M&amp;M</b>	<b>4(3,4)</b>	<b>BSC 5258L</b>	<b>COS-BIOL</b>	<b>3(0,3)</b>	<b>CAP 4053</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>Quantitative Biological Methods-Honors:</b> PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. <i>Fall.</i>			<b>Tropical Biology Research and Conservation:</b> PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. <i>Occasional.</i>			<b>AI for Game Programming:</b> PR: COT 3960 or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. <i>Spring.</i>		
<b>BSC 3424</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>BSC 5316</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>CAP 4104</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>Nanobiotechnology:</b> PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. <i>Occasional.</i>			<b>Marine Conservation Biology:</b> PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. <i>Odd Spring.</i>			<b>Human and Technology Interaction:</b> PR: COP 3330 and COP 3502C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. <i>Fall.</i>		
<b>BSC 3949</b>	<b>COS-BIOL</b>	<b>0(0,8)</b>	<b>BSC 5332</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>CAP 4453</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>Cooperative Education in Biology:</b> PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. May be repeated. <i>Occasional.</i>			<b>Invasion Biology:</b> PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. <i>Even Spring.</i>			<b>Robot Vision:</b> PR: COP 3503C and MAC 2312, or C.I. Perspective and orthographic projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. <i>Fall, Spring.</i>		
<b>BSC 4101</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>BSC 5408L</b>	<b>COS-BIOL</b>	<b>3(0,9)</b>	<b>CAP 4630</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>History of Biology:</b> PR: BSC 2010C, BSC 2011C and 8 hours in biology or C.I. People and events involved in the development of major biological concepts and disciplines. Suitable for majors and non-majors. <i>Occasional.</i>			<b>Advanced Biology Laboratory Techniques:</b> PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. <i>Occasional.</i> M&S fee \$15.00			<b>Artificial Intelligence:</b> PR: COP 3503C and COT 3960. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. <i>Fall.</i>		

## UCF Courses and Descriptions

<b>CAP 4720</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Computer Graphics:</b> PR: COP 3503C and COT 3960 and MAC 2147 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. <i>Occasional.</i>	<b>CCE 4004</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Construction Methods:</b> PR: CES 4100C with a grade of "C" (2.0) or better. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. <i>Spring.</i>	<b>CCJ 3450</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>The Criminal Justice Manager:</b> PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. <i>Occasional.</i>
<b>CAP 5015</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Multimedia Compression on the Internet:</b> PR: Seniors and graduate students with interest in internet technology. Multimedia data: internet technology; entropy; compression methods: lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. <i>Occasional.</i>	<b>CCE 4034</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Construction Estimating and Scheduling:</b> PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. <i>Fall.</i>	<b>CCJ 3451</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Justice System Technology:</b> PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. <i>Occasional.</i>
<b>CAP 5055</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>AI for Game Programming:</b> PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. <i>Spring.</i>	<b>CCE 4402</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Construction Equipment and Productivity:</b> PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. <i>Spring.</i>	<b>CCJ 3483</b> <b>HPA-CJ</b> <b>4(4,0)</b> <b>Labor Relations in Criminal Justice:</b> PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. <i>Occasional.</i>
<b>CAP 5066</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Web Application Authoring Tools:</b> PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for; determining which tool is best suited for a particular application environment. <i>Fall.</i>	<b>CCE 4810C</b> <b>ECS-CECE</b> <b>3(2,2)</b> <b>Construction Design Project:</b> PR: CCE 4034, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better, and department consent; CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. <i>Fall, Spring.</i>	<b>CCJ 3667</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Victims and the CJ System:</b> PR: CCJ 3024. Course examines Victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. <i>Occasional.</i>
<b>CAP 5100</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Human-Computer Interface Design:</b> PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. <i>Fall.</i>	<b>CCE 4813</b> <b>ECS-CECE</b> <b>4(4,0)</b> <b>Mechanical and Electrical Systems for Buildings:</b> PR: CCE 4003, PHY 2049C, CWR 3201 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. <i>Fall.</i>	<b>CCJ 4035</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Crime and the Media:</b> PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. <i>Fall, Spring.</i>
<b>CAP 5415</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Computer Vision:</b> PR: COP 3503C, MAC 2312 and COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. <i>Fall.</i>	<b>CCE 5006</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Introduction to Construction Industry:</b> PR: Post-bac status or C.I. This course introduces students to the construction industry. Topics include project evaluation, project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. <i>Occasional.</i>	<b>CCJ 4054</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Criminal Justice Ethics:</b> Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). <i>Occasional.</i>
<b>CAP 5510</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Bioinformatics:</b> PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. <i>Occasional.</i>	<b>CCE 5036</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Construction Estimation and Scheduling:</b> PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimates, scheduling and project control. Research paper required. <i>Occasional.</i>	<b>CCJ 4064</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Criminal Justice Dimensions of Genocide:</b> PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. <i>Occasional.</i>
<b>CAP 5512</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Evolutionary Computation:</b> PR: CAP 4630 or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. <i>Spring.</i>	<b>CCE 5205</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Construction Methods:</b> PR: Post-bac status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. <i>Occasional.</i>	<b>CCJ 4076</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Crime Analysis II:</b> PR: CJE 4654, CJE 4663. Designed to provide advanced data analysis skills that will enable a crime analyst sophisticated methodologies to crime analysis. <i>Occasional.</i>
<b>CAP 5610</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Machine Learning:</b> PR: CAP 4630 or C.I. Origin/evaluation of machine intelligence; machine learning concepts and their applications in problem solving, planning and "expert systems" symbolic role of human and computers. <i>Occasional.</i>	<b>CCE 5406</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Construction Equipment and Productivity:</b> PR: C.I. Selection of appropriate equipment based on operational parameters. Principles of construction productivity measurement and analysis. Discrete event simulation. <i>Occasional.</i>	<b>CCJ 4129</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Cultural Diversity in Criminal Justice:</b> PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. <i>Occasional.</i>
<b>CAP 5636</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Advanced Artificial Intelligence:</b> PR: CAP 4630. AI theory of knowledge representation, "expert systems", memory organization, problem solving, learning, planning, vision, and natural language. <i>Fall.</i>	<b>CCE 5815</b> <b>ECS-CECE</b> <b>4(4,0)</b> <b>Mechanical and Electrical Systems for Buildings:</b> PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. <i>Occasional.</i>	<b>CCJ 4195</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Interviews &amp; Interrogations in CJ:</b> PR: CCJ 3024 and CJ Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. <i>Fall, Spring.</i>
<b>CAP 5725</b> <b>ECS-CS</b> <b>3(3,0)</b> <b>Computer Graphics I:</b> Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. <i>Spring.</i>	<b>CCJ 3014</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Crime in America:</b> A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. <i>Fall, Spring.</i>	<b>CCJ 4296</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Famous Crimes &amp; Trials:</b> PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. <i>Occasional.</i>
<b>CBH 3003</b> <b>COS-PSYCH</b> <b>3(3,0)</b> <b>Comparative Psychology:</b> PR: PSY 2012. A study of comparative behaviors of lower animals. <i>Occasional.</i>	<b>CCJ 3024</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Criminal Justice System:</b> An examination of the components and of their interdependence in light of their traditional autonomy. <i>Fall, Spring.</i>	<b>CCJ 4361</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Death Penalty:</b> PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. <i>Occasional.</i>
<b>CCE 4003</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Introduction to the Construction Industry:</b> PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. <i>Fall, Spring.</i>	<b>CCJ 3058</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Origins of Criminal Justice:</b> PR: CCJ 3024. Study of criminal justice system evolution. Focus on developments contributing to the institutions and practices of the American criminal justice system. <i>Occasional.</i>	<b>CCJ 4641</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>Organized Crime:</b> An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. <i>Occasional.</i>
		<b>CCJ 4644</b> <b>HPA-CJ</b> <b>3(3,0)</b> <b>White Collar Crime:</b> PR: CCJ 3014 and CCJ 3024. Classic definitions and statements on white collar crime concepts, concepts and criminal activities, types of fraud, investigations, environmental crime, and corporate crime. <i>Occasional.</i>

## UCF Courses and Descriptions

<b>CCJ 4651</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CCJ 5675</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CEG 4812</b>	<b>ECS-CECE</b>	<b>1(1,0)</b>
<b>Drugs and Crime:</b> Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. <i>Fall, Spring.</i>			<b>Human Rights and Criminal Justice:</b> PR: Senior scholar or graduate standing or C.I. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. <i>Occasional.</i>			<b>Historical Developments in Civil Engineering:</b> Seminar covering major historical developments in civil engineering. <i>Occasional.</i>		
<b>CCJ 4670</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CCJ 5931</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CEG 5015</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>
<b>Women and Crime:</b> This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. <i>Occasional.</i>			<b>Contemporary Criminal Justice Strategies:</b> PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. <i>Occasional.</i>			<b>Geotechnical Engineering II:</b> PR: CEG 4011C. Continuation of CEG 011C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. <i>Occasional.</i>		
<b>CCJ 4681</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CCJ 5934</b>	<b>HPA-CJ</b>	<b>1(1,0)</b>	<b>CEG 5405</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>
<b>Domestic Violence and the Justice System:</b> PR: CCJ 3024. Study of the nature and causes of forms of domestic violence, pertaining to laws, prevention strategies, and justice system response. <i>Occasional.</i>			<b>Criminal Justice Investigative Process:</b> PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. <i>Occasional.</i>			<b>Seepage in Soils:</b> PR: CEG 4011C. Principles of flow through soils; flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. <i>Even Spring.</i>		
<b>CCJ 4690</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CDA 3103</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CEG 5700</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>
<b>Sex Offenders and the Criminal Justice System:</b> PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. <i>Fall, Spring.</i>			<b>Computer Logic and Organization:</b> PR: COP 3223; CR: COT 3100C. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. <i>Fall, Spring.</i>			<b>Geo-Environmental Engineering:</b> PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminate transport, geosynthetics and stability of landfill design, control of contaminated sites. <i>Occasional.</i>		
<b>CCJ 4701</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CDA 4150H</b>	<b>ECS-CS</b>	<b>4(3,1)</b>	<b>CEN 4020</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>Research Methods in Criminal Justice:</b> Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. <i>Fall, Spring.</i>			<b>Honors Computer Architecture:</b> PR: Consent of Honors and COP 3402 and CDA 3103C. Basic processor design, hardwired and microprogrammed control, ALU, memory organization, pipelining, I/O and computer arithmetic. With Honors level content. <i>Occasional.</i>			<b>Component-based Engineering Software:</b> PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and reusable software in different component levels. <i>Occasional.</i>		
<b>CCJ 4934</b>	<b>HPA-CJ</b>	<b>1-3(1-3,0)</b>	<b>CDA 5106</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CEN 5016</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>Emergent Criminal Justice Issues:</b> PR: CCJ 3014, CCJ 3024 or C.I. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. <i>Occasional.</i>			<b>Advanced Computer Architecture:</b> PR: EEL 4768C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. <i>Fall, Spring.</i>			<b>Software Engineering:</b> PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. <i>Spring.</i>		
<b>CCJ 5015</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CDA 5110</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CEN 5077</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>The Nature of Crime:</b> PR: Admission to Criminal Justice Master's program or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminals. <i>Occasional.</i>			<b>Parallel Architecture and Algorithms:</b> PR: COT 4210, CDA 5106. General-purpose vs. special-purpose parallel computers; arrays, message-passing; shared-memory; taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. <i>Occasional.</i>			<b>Web Application Testing:</b> PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Test design strategies, patterns and tools. Metrics. Client-server and wireless applications testing. Automated testing. Quality assurance. Performance, security, and usability analysis. Cross site scripting tests. <i>Occasional.</i>		
<b>CCJ 5073</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CDA 5215</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CEN 5326</b>	<b>ECS-CS</b>	<b>3(3,0)</b>
<b>Data Management Systems for Crime Analysis:</b> PR: Graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. <i>Fall.</i>			<b>Architecture and Design of VLSI:</b> PR: EEL 4768C. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. <i>Occasional.</i>			<b>Web Server Configuration and Maintenance:</b> PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. <i>Occasional.</i>		
<b>CCJ 5406</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CDA 5532</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CES 4100C</b>	<b>ECS-CECE</b>	<b>4(3,3)</b>
<b>Research and Technology Implementation:</b> Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. <i>Occasional.</i>			<b>Network-Centric Computing:</b> PR: Graduate standing. Concepts in network-centric computing and process coordination in information grids. <i>Occasional.</i>			<b>Structural Analysis I and Lab:</b> PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. <i>Fall, Spring.</i> M&S fee \$21.00		
<b>CCJ 5456</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CEG 3301</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>CES 4101</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>
<b>The Administration of Justice:</b> PR: Admission to Criminal Justice Master's program or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. <i>Fall, Spring.</i>			<b>Engineering and Environmental Geology:</b> PR: EGN 3310 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. <i>Occasional.</i>			<b>Matrix Methods for Structural Analysis:</b> PR: CES 4100C with a grade of "C" (2.0) or better. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. <i>Occasional.</i>		
<b>CCJ 5467</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CEG 4011C</b>	<b>ECS-CECE</b>	<b>4(3,2)</b>	<b>CES 4605</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>
<b>Justice and Safety System Manpower:</b> Processes essentials to administration to human resources in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. <i>Occasional.</i>			<b>Geotechnical Engineering I:</b> PR: EGN 3331, CWR 3201 both with a grade of "C" (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. <i>Fall, Spring.</i> M&S fee \$21.00			<b>Steel Structures:</b> PR: CES 4100C with a grade of "C" (2.0) or better. Design of structural steel members and buildings; emphasis on AISC-ASD building code; introduction to AISC-LRFD building code; tension and compression members, beams, beam-columns, connections. <i>Fall, Spring.</i>		
<b>CCJ 5489</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CEG 4012</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>CES 4608C</b>	<b>ECS-CECE</b>	<b>3(2,2)</b>
<b>Professionalism in Criminal Justice Organizations:</b> PR: Graduate standing or C.I. Historical evolution of professionalism in criminal justice organizations and how it has changed the structure or practices of each involved agency. <i>Occasional.</i>			<b>Geotechnical Engineering II:</b> PR: CEG 4011C with a grade of "C" (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity and slope stability. <i>Fall, Spring.</i>			<b>Steel Design:</b> PR: CES 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. <i>Spring.</i> M&S fee \$20.00		
<b>CCJ 5617</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CEG 4801C</b>	<b>ECS-CECE</b>	<b>3(2,2)</b>	<b>CES 4702</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>
<b>Mental Disorder, Crime, and Criminal Justice:</b> PR: CCJ 5456, CCJ 5015, or C.I. An overview of the relationship between mental disorder, crime, and the criminal justice system. <i>Occasional.</i>			<b>Geotechnical Engineering Design:</b> PR: CEG 4011C with a grade of "C" (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. <i>Fall, Spring.</i> M&S fee \$14.00			<b>Reinforced Concrete Structures:</b> PR: CES 4100C with a grade of "C" (2.0) or better. Design of RC members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. <i>Fall, Spring.</i>		



## UCF Courses and Descriptions

- CES 4709C ECS-CECE 3(2,2)**  
**Concrete Design:** PR: CES 4702. Project course on design of concrete structures using concrete and structural analysis methodologies. *Fall*. M&S fee \$21.00
- CES 4743C ECS-CECE 3(2,2)**  
**Structural Design:** PR: CES 4605 and CES 4702 both with grade of "C" (2.0) or better and department consent. This course prepares students for real life structural design with the fundamentals and applications of both steel and concrete analysis and design at the member and system level. *Fall, Spring*.
- CES 5144 ECS-CECE 3(3,0)**  
**Matrix Methods for Structural Analysis:** PR: CES 4100C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. *Occasional*.
- CES 5325 ECS-CECE 3(3,0)**  
**Bridge Engineering:** PR: CES 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, AASHTO specifications, Bridge rating, and introduction to Bridge health monitoring. *Occasional*.
- CES 5606 ECS-CECE 3(3,0)**  
**Advanced Steel Structures:** PR: CES 4605. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. *Occasional*.
- CES 5706 ECS-CECE 3(3,0)**  
**Advanced Reinforced Concrete:** PR: CES 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; wind and seismic design; introduction to prestressed concrete. *Occasional*.
- CES 5821 ECS-CECE 3(3,0)**  
**Masonry and Timber Design:** PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. *Occasional*.
- CET 2364 ECS-ECS 3(3,0)**  
**Systems Applications in C/C++:** PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. *Fall, Spring*.
- CET 3010 ECS-ECS 3(3,0)**  
**Introduction to Information Technology:** PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. *Fall, Spring*.
- CET 3383 ECS-ECS 3(3,0)**  
**Applied Systems Analysis I:** PR: Approved programming course or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. *Spring*.
- CET 3679 ECS-ECS 3(3,0)**  
**Intro to Telephony:** An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. *Fall*.
- CET 4427 ECS-ECS 3(3,0)**  
**Applied Database I:** PR: Approved programming course or C.I. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. *Fall*.
- CET 4483 ECS-ECS 3(3,0)**  
**Intro to Local Area Network Technology:** PR: Approved programming course or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. *Fall*.
- CET 4505 ECS-ECS 3(3,0)**  
**Applied Operating Systems I:** PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. *Fall*.
- CET 4663 ECS-ECS 3(3,0)**  
**Computer and Network Security:** PR: CET 4483, MAC 1105C. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. *Fall*.
- CET 4741L ECS-CS 3(0,3)**  
**Computer Networking Laboratory:** PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication texts. *Occasional*.
- CET 4748 ECS-ECS 3(3,0)**  
**Wide Area Networks I:** PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks: determining requirements, designing the networks, structure, choosing appropriate technologies, and evaluating results. *Fall*.
- CET 4749 ECS-ECS 3(3,0)**  
**Wide Area Networks II:** PR: CET 4748. Traffic and cost generators. Access network design. Multi-speed access designs. Multilocal-access and mesh network design. *Spring*.
- CGN 3501C ECS-CECE 3(2,3)**  
**Civil Engineering Materials:** PR: EGN 3331, CHS 1440 or CHM 2045C each with a grade of "C" (2.0) or better. The characterization of materials used in civil engineering works to include concrete, bituminous 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 PHY 2049C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering. *Spring*.
- CGN 4300 ECS-CECE 3(3,0)**  
**Civil Engineering Systems:** PR: 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 4600 ECS-CECE 3(3,0)**  
**Public Works Engineering:** PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. *Occasional*.
- CGN 4808C ECS-CECE 3(2,2)**  
**CECE Capstone Design:** PR: "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. *Fall, Spring*.
- CGN 5320C ECS-CECE 3(2,2)**  
**Geographic Information systems:** Programming theory and application of Geographic Information Systems to Civil Engineering projects. *Occasional*.
- CGN 5504C ECS-CECE 3(2,2)**  
**Civil Engineering Materials:** PR: EGN 3365, EGN 3331, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. *Occasional*.
- CGN 5506C ECS-CECE 3(2,2)**  
**Asphalt Concrete Mix Design:** PR: CEG 4011C. Properties of asphalt, aggregate and asphalt mixtures, Marshall mix design, Hveem mix design, pavement rehabilitation. *Occasional*.
- CGS 1060C ECS-CS 3(2,2)**  
**Introduction to Computer Science:** History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. *Fall, Spring*. M&S fee \$3.00
- CGS 1060H ECS-CS 3(2,2)**  
**Honors Introduction to Computer Science:** PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. *Occasional*. M&S fee \$15.00
- CGS 2100C ECS-CS 3(2,1)**  
**Computer Fundamentals for Business:** Uses of computers and software in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. *Fall, Spring*. M&S fee \$2.00
- CGS 2545C ECS-CS 3(2,1)**  
**Database Concepts:** PR: CGS 1060C or equivalent. Entity-relation model, relational database managements systems, normal forms, performance or databases, report generation. *Fall, Spring*.
- CGS 2585C ECS-CS 3(2,1)**  
**Desktop/Internet Publishing:** PR: CGS 1060C or equivalent. Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated websites. *Occasional*.
- CGS 3175 ECS-CS 3(3,0)**  
**Internet Applications:** PR: CGS 1060C. HTML coding, using images, sound and animation, advanced text formatting, forms and CGS scripts, introduction to javascript. *Fall, Spring*.
- CGS 3269 ECS-CS 3(3,0)**  
**Computer Architecture Concepts:** PR: CGS 1060C. CPU organization, current computer architectures, network file servers. *Fall, Spring*.
- CGS 3763 ECS-CS 3(3,0)**  
**Operating System Concepts:** PR: CGS 1060C. System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups. *Occasional*.
- CGS 4144 ECS-CS 3(3,0)**  
**Introduction to Informatics:** PR: CGS 3175 and HIM 3006. Computers and mechanical intelligence. The information society. Social and information networks. Technology and its applications. Information organization and structure. Human behavior and communication. *Occasional*.
- CGS 5131 ECS-CS 3(3,0)**  
**Computer Forensics I: Seizure and Examination of Computer Systems:** PR: 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 Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. *Occasional*.
- CHI 1121C CAH-LANG 4(3,1)**  
**Elementary Chinese Language and Civilization II:** PR: CHI 1120C or equivalent. Continuation of CHI 1120C. *Spring*.
- CHI 1121H CAH-LANG 4(4,0)**  
**Honors Elementary Chinese Language and Civilization II:** PR: Permission of Honors. Continuation of CHI 1121H. *Occasional*.
- CHI 2200 CAH-LANG 3(3,0)**  
**Intermediate Chinese I:** PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. *Fall, Spring*.

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- CHI 2201 CAH-LANG 3(3,0)**  
**Intermediate Chinese II:** PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. *Fall, Spring.*
- CHM 1020 COS-CHEM 3(3,0)**  
**Concepts in Chemistry:** PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. *Fall, Spring.*
- CHM 1032 COS-CHEM 3(3,0)**  
**General Chemistry:** PR: MAC 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. *Fall, Spring.*
- CHM 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 introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring.* M&S fee \$45.00
- CHM 2040 COS-CHEM 3(3,0)**  
**Chemistry Fundamentals IA:** PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry. The "NC" grading policy applies to this course. *Fall.* M&S fee \$6.00
- CHM 2041 COS-CHEM 3(3,0)**  
**Chemistry Fundamentals IB:** PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040C. Atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. *Spring.*
- CHM 2045C COS-CHEM 4(3,1)**  
**Honors Chemistry Fundamentals I:** PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. *Fall, Spring.* M&S fee \$9.00
- CHM 2045C COS-CHEM 4(3,1)**  
**Chemistry Fundamentals I:** PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. *Fall, Spring.* M&S fee \$9.00
- CHM 2046 COS-CHEM 3(3,0)**  
**Chemistry Fundamentals II:** PR: "C" grade or better in CHM 2045C or CHM 2041C. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040C & CHM 2041C sequence. Intermolecular forces, solutions and colligative properties, equilibria, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. *Fall, Spring.*
- CHM 2046C COS-CHEM 4(3,3)**  
**Honors Chemistry Fundamentals II:** PR: CHM 2045C and permission of Honors. Same as CHM 2046 and CHM 2046L with honors-level content. *Spring.* M&S fee \$35.00
- CHM 2046L COS-CHEM 1(0,3)**  
**Chemistry Fundamentals Laboratory:** CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring.* M&S fee \$45.00
- CHM 2205 COS-CHEM 5(5,0)**  
**Introduction to Organic and Biochemistry:** PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. *Spring.*
- CHM 2210 COS-CHEM 3(3,0)**  
**Organic Chemistry I:** PR: CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. *Fall, Spring.*
- CHM 2211 COS-CHEM 3(3,0)**  
**Organic Chemistry II:** PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. *Fall, Spring.*
- CHM 2211L COS-CHEM 2(0,6)**  
**Organic Laboratory Techniques I:** PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall, Spring.* M&S fee \$70.00
- CHM 3120 COS-CHEM 3(3,0)**  
**Analytical Chemistry:** PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. *Fall, Spring.*
- CHM 3120L COS-CHEM 1(0,3)**  
**Analytical Chemistry Laboratory:** PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercise of quantitative methods of analysis using titrimetric, gravimetric, potentiometric and photometric methods of analysis including statistical treatment of experimental data. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Occasional.* M&S fee \$25.00
- CHM 3212L COS-CHEM 2(0,6)**  
**Organic Laboratory Techniques II:** PR: CHM 2211 and CHM 2211L. Open-end laboratory to develop synthesis techniques and structure elucidation skills. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. *Fall.* M&S fee \$70.00
- CHM 3410 COS-CHEM 4(3,1)**  
**Physical Chemistry I:** PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. *Fall.*
- CHM 3411 COS-CHEM 3(3,0)**  
**Physical Chemistry II:** PR: CHM 3410. Continuation of CHM 3410. *Spring.*
- CHM 3411L COS-CHEM 2(0,6)**  
**Physical Chemistry Laboratory:** PR: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. *Spring.* M&S fee \$70.00
- CHM 3422 COS-CHEM 3(3,0)**  
**Applied Physical Chemistry:** PR: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. *Fall.*
- CHM 4130 COS-CHEM 3(3,0)**  
**Advanced Analytical Laboratory Technique:** PR: CHM 2211, CHM 3120 (with a minimum grade of "C" or 2.0) and CR: CHM 3411 or PR: CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. *Spring.*
- CHM 4130L COS-CHEM 2(0,6)**  
**Advanced Analytical Chemistry Laboratory:** PR: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. *Spring.* M&S fee \$70.00
- CHM 4220 COS-CHEM 3(3,0)**  
**Organic Chemistry III:** PR: or CR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. *Occasional.*
- CHM 4610 COS-CHEM 3(3,0)**  
**Inorganic Chemistry:** PR: or CR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. *Spring.*
- CHM 4610L COS-CHEM 2(0,6)**  
**Inorganic Chemistry Laboratory:** PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. *Fall.* M&S fee \$70.00
- CHM 4914C COS-CHEM 1(1,1)**  
**Undergraduate Research Methods:** PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. *Fall, Spring.*
- CHM 4930 COS-CHEM 1(1,0)**  
**Chemistry Seminar I:** PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. *Fall.*
- CHM 4931 COS-CHEM 1(1,0)**  
**Chemistry Seminar II:** PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. *Fall, Spring.*
- CHM 5225 COS-CHEM 3(3,0)**  
**Advanced Organic Chemistry:** PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. *Odd Fall.*
- CHM 5235 COS-CHEM 3(3,0)**  
**Applied Molecular Spectroscopy:** PR: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. *Occasional.*
- CHM 5305 COS-CHEM 3(3,0)**  
**Applied Biological Chemistry:** PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. *Occasional.*
- CHM 5450 COS-CHEM 3(3,0)**  
**Polymer Chemistry:** PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. *Even Fall.*
- CHM 5451C COS-CHEM 3(1,5)**  
**Techniques in Polymer Science:** PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. *Odd Spring.* M&S fee \$45.00



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- CHM 5580 COS-CHEM 3(3,0)**  
**Advanced Physical Chemistry:** CR: CHM 3411 and PR: MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. *Occasional.*
- CHM 5715C COS-CHEM 3(2,3)**  
**Optical Materials Processing and Characterization Techniques:** PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. *Occasional.*
- CHS 1440 COS-CHEM 4(3,1)**  
**Fundamentals of Chemistry for Engineers:** PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibria, electrochemistry and thermodynamics. The "NC" grading policy applies to this course. *Fall, Spring.*
- CHS 3501 COS-CHEM 3(3,0)**  
**Introduction to Forensic Science:** PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. *Spring.*
- CHS 3505C COS-CHEM 4(2,6)**  
**Forensic Microscopy:** PR: 'C' grade or better in CHM 2046 & L, and CHS 3501; and PR: or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. *Fall.* M&S fee \$45.00
- CHS 3511C COS-CHEM 4(2,6)**  
**Trace Evidence:** PR: 'C' grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. *Spring.* M&S fee \$45.00
- CHS 3514C COS-CHEM 3(2,3)**  
**Bomb Scene Investigation:** PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. *Occasional.*
- CHS 3530C COS-CHEM 4(3,3)**  
**Forensic Analysis of Controlled Substances:** PR: 'C' grade or better in CHM 2211, PR: or CR: CHS 3505C & CHM 3120. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. *Fall.* M&S fee \$45.00
- CHS 3533 COS-CHEM 2(2,0)**  
**Forensic Biochemistry I:** PR: 'C' or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. *Fall.*
- CHS 3533L COS-CHEM 1(0,3)**  
**Forensic Biochemistry I Laboratory:** PR: 'C' (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3233L and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. *Fall.* M&S fee \$70.00
- CHS 3540C COS-CHEM 2(1,3)**  
**Fire and Debris Analysis I:** PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. *Occasional.*
- CHS 3595 COS-CHEM 3(3,0)**  
**Forensic Science in the Courtroom:** PR: or CR: CHS 3501 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. *Spring.*
- CHS 3949 COS-CHEM 0(0,8)**  
**Cooperative Education in Chemistry:** PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded S/U. May be repeated for credit. *Occasional.*
- CHS 4200 COS-CHEM 3(3,0)**  
**Concepts in Industrial Chemistry:** PR: CHM 3410. An introduction to industrial practices, emphasizing the application of chemical principles in the development of a commercial process or product. *Occasional.*
- CHS 4506C COS-CHEM 3(2,3)**  
**Forensic Investigation Technology:** PR: A grade of "C" or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. *Occasional.*
- CHS 4515C COS-CHEM 4(2,6)**  
**Forensic Crime Scene Investigation:** PR: Grade of 'C' or better in CHS 3511C. Procedures for the investigation of arson, explosives, and crime scenes. *Occasional.*
- CHS 4534C COS-CHEM 3(1,6)**  
**Forensic Biochemistry II:** PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. *Spring.* M&S fee \$70.00
- CHS 4537 COS-CHEM 2(2,0)**  
**Forensic Laboratory Quality Assurance:** PR: Grade of "C" or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. *Fall.*
- CHS 4541C COS-CHEM 2(1,3)**  
**Fire and Debris Analysis II:** PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. *Occasional.*
- CHS 4547C COS-CHEM 3(2,3)**  
**Advanced Topics in Trace Analysis:** PR: CHS 3511C, or C.I. Recovery and analysis of forensic trace evidence. *Occasional.* M&S fee \$39.00
- CHS 4591 COS-CHEM 4(0,4,0)**  
**Forensic Science Internship:** PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. *Occasional.*
- CHS 4615 COS-CHEM 3(3,0)**  
**Environmental Chemistry:** PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. *Odd Spring.*
- CHS 5502 COS-CHEM 3(3,0)**  
**Principles of Forensic Science:** PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. *Occasional.*
- CHS 5503 COS-CHEM 3(3,0)**  
**Topics in Forensic Science:** PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. *Occasional.*
- CHS 5518 COS-CHEM 3(3,0)**  
**The Forensic Collection and Examination of Digital Evidence:** PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. *Occasional.*
- CHS 5596 COS-CHEM 3(3,0)**  
**The Forensic Expert in the Courtroom:** PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. *Spring.*
- CIS 3003 ECS-CS 3(3,0)**  
**Fundamentals of Information Technology:** 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.*
- CIS 3360 ECS-CS 3(3,0)**  
**Security in Computing:** PR: COP 3223 or EGN 3211 or CET 2364. Security theory. Legal and human factors, Malware, Intrusion patterns and tools, Windows, Unix, TCP/IP, and applications vulnerabilities. Detection. Policies and enforcement. Protection and assurance. *Occasional.*
- CIS 3362 ECS-CS 3(3,0)**  
**Cryptography and Information Security:** PR: COP 3223 or EGN 3211 or CET 2364, and MAC 2147 or equivalent. Encryption algorithms and ciphers. Public and private keys. Key infrastructures. Authentication, confidentiality, integrity, and nonrepudiation. Digital signatures and certificates. Hash and digest algorithms. Standards. *Occasional.*
- CIS 4004 ECS-CS 3(3,0)**  
**Web-Based Information Technology:** PR: CNT 3004 and COP 3330. Digital libraries. Media formats. Compression. Streaming Media. Mobile internet and WML. Emerging technologies. Capacity planning for web services. *Fall, Spring.*
- CIS 4313 ECS-CS 3(3,0)**  
**Managing IT Integration:** PR: CIS 3003. Requirements, acquisition and sourcing. Integration. Project management. Testing and QA. Organizational context. Architecture. *Spring.*
- CIS 4361 ECS-CS 3(3,0)**  
**Secure Operating Systems and Administration:** PR: COP 4600 or CGS 3763. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. *Occasional.*
- CIS 4615 ECS-CS 3(3,0)**  
**Secure Software Development and Assurance:** PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling, Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UMLSec, Java security and Reverse engineering. *Occasional.*
- CIS 5105 ECS-CS 3(3,0)**  
**Capacity Planning and Performance Evaluation of Web Services:** PR: COP 4600, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. *Occasional.*
- CIS 5378 ECS-CS 3(3,0)**  
**Designing Secure Transactions in Web Applications:** PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Secure electronic commerce, data indirection, shell command injection, cross-site scripting, Web Trojans, symmetric encryption, security protocols, application vulnerabilities, threats and hackers. *Spring.*
- CJC 3010 HPA-CJ 3(3,0)**  
**Corrections and Penology:** PR: CCJ 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. *Fall, Spring.*
- CJC 3134 HPA-CJ 3(3,0)**  
**Prisons and jails:** PR: CJC 3010. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. *Occasional.*
- CJC 3164 HPA-CJ 3(3,0)**  
**Community-Based Corrections:** PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. *Occasional.*
- CJC 4410 HPA-CJ 3(3,0)**  
**Correctional Interventions in Criminal Justice:** PR: CCJ 3014. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. *Occasional.*

## UCF Courses and Descriptions

<b>CJC 5020</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJE 5120</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3004</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Foundations of Corrections:</b> PR: C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. <i>Occasional.</i>			<b>Personnel Management in Criminal Justice Organizations:</b> PR: Graduate standing or C.I. This course provides a general overview of the issues and problems in the management of criminal justice agencies with an emphasis on best practices. <i>Spring.</i>			<b>Behavioral Self Control:</b> PR: PSY 2012. Application of behavioral and biofeedback techniques to self-regulation. <i>Occasional.</i>		
<b>CJE 3001</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJE 5688</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3143</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Careers in Criminal Justice:</b> PR: CCJ 3024 or C.I. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. <i>Fall, Spring.</i>			<b>Cyber Crime and Criminal Justice:</b> PR: CCJ 5015. Deals with the problem of cyber crime and the criminal use of the Internet. Includes investigation, enforcement and legal issues. <i>Occasional.</i>			<b>Abnormal Psychology:</b> PR: PSY 2012 and PPE 3003C. Classification, causation, and treatment of deviant patterns of behavior. <i>Fall, Spring.</i>		
<b>CJE 3444</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJJ 3014H</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3143H</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Crime Prevention:</b> PR: CCJ 3024 or C.I. An overview and analysis of crime prevention strategies used in the private and public sectors. <i>Fall, Spring.</i>			<b>Honors Juvenile Offenders: An Integrative Perspective:</b> PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. <i>Occasional.</i>			<b>Honors Abnormal Psychology:</b> PR: PSY 2012 and PPE 3003C and consent of Honors. Classification, causation, and treatment of deviant patterns of behavior. With Honors content. <i>Spring.</i>		
<b>CJE 3662</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJJ 4564</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3184</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>CJ Information Technology and Data Management:</b> PR: CCJ 3024. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. <i>Occasional.</i>			<b>Juvenile Justice System:</b> PR: CCJ 3024 and CJL 3510 or C.I. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. <i>Occasional.</i>			<b>Women's Mental Health:</b> PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. <i>Occasional.</i>		
<b>CJE 4012</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJL 3110</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3302</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Criminal Profiling in Criminal Justice:</b> PR: CCJ 3014 or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. <i>Occasional.</i>			<b>Criminal Law in Action:</b> Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. <i>Fall, Spring.</i>			<b>Clinical Psychology:</b> PR: PPE 3003C and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. <i>Fall, Spring.</i>		
<b>CJE 4014</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJL 3510</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3413</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Police and Society:</b> PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. <i>Fall, Spring.</i>			<b>Prosecution and Adjudication:</b> PR: CCJ 3024 or PLA 3014 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. <i>Fall, Spring.</i>			<b>Contemporary Behavior Therapy:</b> PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. <i>Occasional.</i>		
<b>CJE 4174</b>	<b>HPA-CJ</b>	<b>4(4,0)</b>	<b>CJL 4010</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 3467C</b>	<b>COS-PSYCH</b>	<b>3(2,2)</b>
<b>Comparative Justice Systems:</b> PR: CCJ 3024 and CJL 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. <i>Occasional.</i>			<b>Legal Aspects of Policing:</b> PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures wiretappings; and, interrogations. <i>Occasional.</i>			<b>Interpersonal Effectiveness and Group Psychotherapy:</b> PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. <i>Occasional.</i>		
<b>CJE 4352</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJL 4046</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 4134</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Policy Development in Law Enforcement:</b> PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. <i>Occasional.</i>			<b>Liability Issues in Criminal Justice:</b> PR: CCJ 3024. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. <i>Occasional.</i>			<b>Childhood Psychopathology:</b> PR: PSY 2012, CLP 3143, DEP 2004C, PPE 3003C. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. <i>Fall, Odd Spring.</i>		
<b>CJE 4410</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJL 4410</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 4314</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Community Policing:</b> PR: CCJ 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. <i>Occasional.</i>			<b>Legal Aspects of the Criminal Court Process:</b> PR: CJL 3510. The legal dimension of various criminal court decision making stages, including; bail; charging; preliminary hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. <i>Occasional.</i>			<b>Health Psychology:</b> PR: CLP 3143, PSB 3002, PPE 3003C. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. <i>Occasional.</i>		
<b>CJE 4572</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJL 4514</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 4390</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Justice Agency Operations:</b> PR: CCJ 3024 and CCJ 3450 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. <i>Occasional.</i>			<b>Criminal Sentencing:</b> PR: CCJ 3024, CJL 3510. Examines the myriad theoretical, empirical and operational issues involved in criminal sentencing policy in American society. <i>Occasional.</i>			<b>Forensic Psychology:</b> PR: PSY 2012 and SOP 3751. Clinical practice of psychology within the legal system, including forensic evaluation of competency/insanity, treatment, and criminal profiling. <i>Spring.</i>		
<b>CJE 4610</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJL 5049</b>	<b>HPA-CJ</b>	<b>6(6,0)</b>	<b>CLP 4402C</b>	<b>COS-PSYCH</b>	<b>3(2,2)</b>
<b>Criminal Investigation:</b> PR: CJE 4014. Course acquaints students with basic Procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. <i>Fall, Spring.</i>			<b>International Perspectives on Law and Justice:</b> PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. <i>Occasional.</i>			<b>Psychology of Physical Disability:</b> PR: PSY 2012. Psychological aspects of physical disability and rehabilitation. Psychological adjustment, body-mind relationships, family and societal dynamics relative to therapeutic intervention. <i>Occasional.</i>		
<b>CJE 4630</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJT 3803</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 5166</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Serial Murder and Criminal Justice:</b> PR: CCJ 3014 or C.I. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. <i>Occasional.</i>			<b>Security Management:</b> PR: CCJ 3024. Examination of a global security management environment impacted by downsizing a dramatically changing work force, religious extremism/terrorism, technological revolution and other challenges. <i>Occasional.</i>			<b>Advanced Abnormal Psychology:</b> PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. <i>Occasional.</i>		
<b>CJE 4654</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJT 3821</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLP 5187</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>
<b>Crime and Place:</b> PR: CCJ 3024. Provides an understanding of how physical environmental features - the natural and built environment - influences crime events. <i>Occasional.</i>			<b>Practical Security Applications:</b> An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. <i>Occasional.</i>			<b>Mental Health and Aging:</b> PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. <i>Occasional.</i>		
<b>CJE 4663</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CJT 4843</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>	<b>CLT 3370</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Crime Analysis I:</b> PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. <i>Occasional.</i>			<b>Risk Management in Criminal Justice/Private Security:</b> PR: SCC 3311. This course examines the concept of risk management in a criminal justice context. <i>Occasional.</i>			<b>Classical Mythology:</b> PR: ENC 1102 and either HUM 2210, REL 2300, WOH 2012, or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. <i>Occasional.</i>		
<b>CJE 5021</b>	<b>HPA-CJ</b>	<b>3(3,0)</b>						
<b>Foundations of Law Enforcement:</b> PR: C.I. Examines police role in modern society and law enforcement policy. <i>Occasional.</i>								

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<b>CLT 3378</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Comparative Mythology:</b> PR: ENC 1102 and either HUM 2230, REL 2300, WOH 2022, LIT 2120, or CLT 3370. Common themes found in the myths of various cultures; theories of their origins, meaning and value in human experience. <i>Occasional.</i>
<b>CMC 4240</b>	<b>COS-COMM</b>	<b>3(1,2)</b>	<b>Corporate/Institutional Video:</b> PR: RTV 3200, RTV 3260C (RTV 3260C may be taken concurrently). Preparation of non-broadcast corporate/institutional video programs including planning, budgeting, production, and evaluation. <i>Occasional.</i>
<b>CNT 3004</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Computer Network Concepts:</b> CR: EEL 3041. Network media, protocol, current and evolving standards for local, metropolitan, wide area and wireless networks. <i>Fall, Spring.</i>
<b>CNT 4403</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Network Security and Privacy:</b> PR: (CNT 3004 or EEL 4781 or CNT 4704) and (CIS 3360 or CIS 3362) or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. <i>Occasional.</i>
<b>CNT 4603</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>System Administration and Maintenance:</b> PR: CGS 3763. An examination of operating systems and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. <i>Fall, Spring.</i>
<b>CNT 4703C</b>	<b>ECS-CS</b>	<b>3(1,2)</b>	<b>Design and Implementation of Computer Communication Networks:</b> PR: CNT 3004, COP 3502C, MAD 2104 or COT 3100C. Data communication networking technologies (TCP/IP, Ethernet, Gigabit Ethernet, ATM, Frame Relay), products (routers, switches, adapters, cabling). Base design and detailed configuration including hands-on exercises. <i>Fall, Spring.</i> M&S fee \$16.00
<b>CNT 4704</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Analysis of Computer Communication Networks:</b> PR: COT 3100C, STA 2023, MAC 2312. Network design using layering. Introduces cabling, topology, architecture, hardware and software. Includes performance and control issues such as congestion control, error control, contention resolution. <i>Occasional.</i>
<b>CNT 4714</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Enterprise Computing:</b> PR: CGS 3269, MAD 2104, COP 3330 and COP 3502C. Client-server architecture. Server-side scripting: Servlets, JSP, PHP, JDBC and MySQL database; connectivity. Multi-threaded Java applications. J2EE development. SSL., Event-driven programming. <i>Fall, Spring.</i>
<b>CNT 5008</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Computer Communication Networks Architecture:</b> PR: EEL 4768C. Computer networks, layers, protocols and interfaces, local area networks networking. <i>Fall.</i>
<b>COM 1000</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Introduction to Communication:</b> Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. <i>Fall, Spring.</i>
<b>COM 2347C</b>	<b>COS-COMM</b>	<b>1(1,1)</b>	<b>Sports Speaking and Interviewing:</b> PR: SPC 1608. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. <i>Occasional.</i>
<b>COM 3011C</b>	<b>COS-COMM</b>	<b>3(1,2)</b>	<b>Communication and Human Relations:</b> PR: or CR: COM 3311. Semantics; symbols and meaning and their relationship with human behavior. <i>Fall, Spring.</i>
<b>COM 3013</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Communication and the Family:</b> PR: SPC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. <i>Even Fall.</i>
<b>COM 3022</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Health Communication:</b> PR: COM 3311 or C.I. Theories and research about the role communication plays in health. <i>Occasional.</i>
<b>COM 3110</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Business and Professional Communication:</b> PR: Majors only, SPC 1608 or C.I. Theoretical and practical training in effective presentational speaking for business and professions. <i>Fall, Spring.</i>
<b>COM 3110H</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Honors Business and Professional Communication:</b> PR: Majors only, SPC 1608 or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors content. <i>Occasional.</i>
<b>COM 3120</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Organizational Communication:</b> PR: or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. <i>Fall, Spring.</i>
<b>COM 3311</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Communication Research Methods:</b> PR: STA 2014C. Research methods used in communication. Understanding and interpretation of original research emphasized. <i>Fall, Spring.</i>
<b>COM 3330</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Computer Mediated Communication:</b> PR: CGS 1060C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. <i>Even Spring.</i>
<b>COM 3332</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Communication, Technology, and Change:</b> PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. <i>Spring.</i>
<b>COM 3406</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Role of Motivation in Communication:</b> PR: or CR: COM 3311, or C.I. Motivation theories that directly affect the process of human communication. <i>Occasional.</i>
<b>COM 4014</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Gender Issues in Communication:</b> PR: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. <i>Occasional.</i>
<b>COM 4416</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Terrorism and Communication:</b> PR: COM 3311 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. <i>Fall.</i>
<b>COM 4461</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Intercultural Communication:</b> Study of variables affecting messages and participants in intercultural contexts. <i>Fall, Even Spring.</i>
<b>COM 4462</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Conflict Management:</b> PR: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. <i>Fall, Spring.</i>
<b>COP 2500C</b>	<b>ECS-CS</b>	<b>4(3,1)</b>	<b>Concepts in Computer Science:</b> Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. <i>Fall, Spring.</i>
<b>COP 3223</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Introduction to Programming with C:</b> Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. <i>Fall, Spring.</i>
<b>COP 3223H</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Honors Introduction to Programming with C:</b> PR: Consent of Honors. Programming with C including arrays, pointer manipulation and use of standard C math and IO libraries. With Honors content. <i>Fall.</i>
<b>COP 3330</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Object Oriented Programming:</b> PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. <i>Fall, Spring.</i>
<b>COP 3402</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Systems Software:</b> PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. <i>Fall, Spring.</i>
<b>COP 3502C</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Computer Science I:</b> PR: COP 3223 and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. <i>Fall, Spring.</i>
<b>COP 3502H</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Honors Computer Science I:</b> PR: Permission of Honors and COP 3223 and MAC 1105C. Problem solving techniques, order analysis and notation, abstract data types, and recursion. <i>Occasional.</i>
<b>COP 3503C</b>	<b>ECS-CS</b>	<b>4(3,1)</b>	<b>Computer Science II:</b> PR: COP 3502C and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. <i>Fall, Spring.</i>
<b>COP 3503H</b>	<b>ECS-CS</b>	<b>4(3,1)</b>	<b>Honors Computer Science II:</b> PR: Permission of Honors and (COP 3502H or COP 3502C) and COP 3330 and (MAD 2104 or COT 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. <i>Fall.</i>
<b>COP 4020</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Programming Languages I:</b> PR: COP 3503C and COT 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. <i>Fall, Spring.</i>
<b>COP 4331C</b>	<b>ECS-CS</b>	<b>4(3,1)</b>	<b>Processes for Object-Oriented Software Development:</b> PR: COP 3502C, COP 3330, COT 3960 (Foundation Exam - for Computer Science students). Concepts, principles, processes and methods for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. <i>Occasional.</i>
<b>COP 4516C</b>	<b>ECS-CS</b>	<b>3(1,3)</b>	<b>Problem Solving Techniques and Team Dynamics:</b> PR: COP 3503C. Design and implement solutions to problems requiring the applications of the different algorithms. Team project format. <i>Occasional.</i>
<b>COP 4520</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Concepts of Parallel and Distributed Processing:</b> PR: COP 3402 and COP 3503C and COT 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. <i>Occasional.</i>
<b>COP 4600</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Operating Systems:</b> PR: COP 3402 and COP 3503C and COT 3960 for Computer Science students. Function and organization of operating systems, process management, virtual memory, I/O management, and file management. <i>Fall, Spring.</i>
<b>COP 4610L</b>	<b>ECS-CS</b>	<b>3(0,3)</b>	<b>Operating Systems Laboratory:</b> PR: COP 3502C. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. <i>Fall, Spring.</i>
<b>COP 4710</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>Database Systems:</b> PR: COP 3503C. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. <i>Fall, Spring.</i>



## UCF Courses and Descriptions

<b>COP 4910</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>COT 5405</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 4514</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Frontiers in Information Technology:</b> PR: COP 4610L or CNT 4703C. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. <i>Spring.</i>			<b>Design and Analysis of Algorithms:</b> PR: COT 4210. Classification of algorithms, e.g., recursive, divide-and-conquer, greedy, etc. Data Structures and algorithm design and performance. Time and space complexity analysis. <i>Fall, Spring.</i>			<b>Politics of East Asia:</b> PR: POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. <i>Occasional.</i>		
<b>COP 5021</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>COT 5520</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 4541</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Program Analysis:</b> PR: COP 4020 and COT 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. <i>Even Spring.</i>			<b>Computational Geometry:</b> CR: COT 5405. Geometric searching, point location, convex hulls, proximity problems, Voronoi diagrams, spanning trees, triangulation, intersection arrangement applications. <i>Occasional.</i>			<b>Chinese Politics:</b> PR: POS 2041 or C.I. China's political development since 1949. <i>Occasional.</i>		
<b>COP 5537</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 3034</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 4553</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Network Optimization:</b> PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. <i>Fall.</i>			<b>Politics of Developing Areas:</b> Comparative analysis of theories, problems and politics of development in Third World nations. <i>Even Fall.</i>			<b>Politics of Japan:</b> PR: POS 2041 or CPO 3103 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. <i>Fall.</i>		
<b>COP 5611</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 3103</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 4643</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Operating Systems Design Principles:</b> PR: COP 4600. Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. <i>Spring.</i>			<b>Comparative Politics:</b> PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. <i>Spring.</i>			<b>Government and Politics of Russia:</b> Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. <i>Occasional.</i>		
<b>COP 5711</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 3104</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 4710</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Parallel and Distributed Database Systems:</b> PR: COP 4710. Storage manager, implementation techniques for parallel DBMSs, distributed DBMS architectures, distributed database design, query processing, multidatabase systems. <i>Occasional.</i>			<b>Politics of Western Europe:</b> PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. <i>Odd Spring.</i>			<b>Women in Comparative Politics:</b> PR: Junior standing or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. <i>Occasional.</i>		
<b>COT 3100C</b>	<b>ECS-CS</b>	<b>3(3,1)</b>	<b>CPO 3132</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 4754</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Introduction to Discrete Structures:</b> PR: MAC 1105C, MAC 1114. Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. <i>Fall, Spring.</i>			<b>Canadian Studies:</b> A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. <i>Occasional.</i>			<b>Comparative Political Institutions:</b> PR: POS 2041, Jr. 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. <i>Occasional.</i>		
<b>COT 3100H</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 3403</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 4784</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Honors Introduction to Discrete Structures:</b> PR: Permission of Honors and MAC 1105C, MAC 1114. Logic, sets, functions, relations, combinatorics, graphics, Boolean algebras, finite-state machines, Turing machines, unsolvability, computational complexity. <i>Occasional.</i>			<b>Politics of the Middle East:</b> PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. <i>Even Fall, Spring.</i>			<b>Political and Economic Inequality in Comparative Perspective:</b> PR: POS 2041, Jr. standing or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. <i>Occasional.</i>		
<b>COT 3960</b>	<b>ECS-CS</b>	<b>0(1,0)</b>	<b>CPO 3403H</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 4794</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>CS Foundation Exam:</b> PR: COP 3502C AND COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. <i>Fall, Spring.</i>			<b>Honors Politics of the Middle East:</b> PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. <i>Occasional.</i>			<b>Indigenous Politics and the Environment:</b> PR: POS 2041 or C.I. Unique environmental politics specific to indigenous peoples around the world. <i>Occasional.</i>		
<b>COT 4210</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 3614</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CPO 5334</b>	<b>COS-POLS</b>	<b>3(3,0)</b>
<b>Discrete Structures II:</b> PR: COP 3503C and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. <i>Fall, Spring.</i>			<b>Politics of Eastern Europe:</b> PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. <i>Occasional.</i>			<b>Contemporary Politics of the Mayan Region:</b> PR: Graduate status or senior standing or C.I. Analysis of issues affecting all peoples living in the contemporary Mayan region of southern Mexico, Belize, Guatemala, and El Salvador. <i>Occasional.</i>		
<b>COT 4400</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 4047</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CRW 3010H</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Tools for Algorithm Analysis:</b> PR: COT 3960 and COP 3503C. Tools from discrete and continuous mathematics for analyzing complexity of algorithms. Order notation use and manipulation. <i>Occasional.</i>			<b>Politics of the NAFTA Region:</b> PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. <i>Occasional.</i>			<b>Honors Creative Writing:</b> 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. <i>Occasional.</i>		
<b>COT 4500</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 4062</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CRW 3011</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Numerical Calculus:</b> PR: MAC 2312 and COP 3502C. Numerical methods for finding roots of nonlinear equations, solutions of systems of linear equations, and ordinary differential equations. <i>Occasional.</i>			<b>Comparative Judicial Process:</b> Study of courts and judges in cross national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. <i>Occasional.</i>			<b>Creative Writing for Non-Majors:</b> 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. <i>Fall, Spring.</i>		
<b>COT 4810</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 4074</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CRW 3013</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Topics in Computer Science:</b> PR: COP 3402 and COP 3503C and COT 3960. A range of topics from the field of Computer science; application of oral and written communication skills; social, ethical and moral issues of computing. <i>Fall, Spring.</i>			<b>Political Economy:</b> PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. <i>Even Fall.</i>			<b>Creative Writing for English Majors:</b> 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. <i>Fall, Spring.</i>		
<b>COT 5310</b>	<b>ECS-CS</b>	<b>3(3,0)</b>	<b>CPO 4101</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CRW 3053</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
<b>Formal Languages and Automata Theory:</b> PR: COP 4020 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. LR(K) grammars. <i>Fall, Spring.</i>			<b>Politics of the European Union:</b> PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. <i>Spring.</i>			<b>Theory &amp; Practice of Creative Writing:</b> 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. <i>Fall, Spring.</i>		
			<b>CPO 4123</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>CRW 3120</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>
			<b>Government and Politics of Great Britain:</b> A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. <i>Even Spring.</i>			<b>Fiction Writing Workshop:</b> PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. <i>Fall, Spring.</i>		
			<b>CPO 4303</b>	<b>COS-POLS</b>	<b>3(3,0)</b>			
			<b>Comparative Latin American Politics:</b> Comparative analysis of politics, society and culture in Latin America and selected countries of the region. <i>Even Fall.</i>					
			<b>CPO 4445</b>	<b>COS-POLS</b>	<b>3(3,0)</b>			
			<b>Comparative Political Parties:</b> 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. <i>Occasional.</i>					



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- 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. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. *Fall, Spring.*
- CRW 3310 CAH-ENG 3(3,0)**  
**Poetry Writing Workshop:** PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. *Fall, Spring.*
- CRW 3311 CAH-ENG 3(3,0)**  
**Structure of Verse:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. *Occasional.*
- CRW 3540 CAH-ENG 3(3,0)**  
**Literary Magazines:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. *Occasional.*
- CRW 3610 CAH-ENG 3(3,0)**  
**Writing Scripts:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. *Occasional.*
- CRW 3950 CAH-ENG 3(3,0)**  
**Cypress Dome Editorship:** PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF's student literary journal. *Fall, Spring.*
- CRW 4014 CAH-ENG 3(3,0)**  
**The Writing Life:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction/craft works and fictional works by a series of authors. *Occasional.*
- CRW 4114 CAH-ENG 3(3,0)**  
**History of Prose Style:** PR: English major or minor, junior standing, and grade of C (2.0) or better in CRW 3013, CRW 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. *Occasional.*
- CRW 4122 CAH-ENG 3(3,0)**  
**Advanced Fiction Writing Workshop:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. *Fall, Spring.*
- CRW 4123 CAH-ENG 3(3,0)**  
**Science Fiction Writing:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. *Occasional.*
- CRW 4224 CAH-ENG 3(3,0)**  
**Advanced Nonfiction Workshop:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3211, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. *Fall, Spring.*
- CRW 4320 CAH-ENG 3(3,0)**  
**Advanced Poetry Writing Workshop:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. *Fall, Spring.*
- CRW 4616 CAH-ENG 3(3,0)**  
**Advanced Scriptwriting Workshop:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. *Fall, Spring.*
- CRW 4722 CAH-ENG 3(3,0)**  
**Editing for Creative Writers:** PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. *Occasional.*
- CRW 4724 CAH-ENG 3(3,0)**  
**The Florida Review:** PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. *Fall, Spring.*
- CRW 4804 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, CRW 3053, and at least one of CRW 3120, CRW 3211, CRW 3310, or C.I. Teaching creative writing to community groups through service-learning. *Occasional.*
- CRW 5020 CAH-ENG 3(3,0)**  
**Graduate Writing Workshop:** PR: Admission to Creative Writing MFA and C.I. Student writers present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. *Fall, Odd Spring.*
- CRW 5130 CAH-ENG 3(3,0)**  
**Form and Theory in Creative Writing:** PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. *Occasional.*
- CRW 5948C CAH-ENG 3(2,1)**  
**Creative Writing Service Learning:** PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. *Occasional.*
- CWR 3201 ECS-CECE 3(3,0)**  
**Engineering Fluid Mechanics:** PR: MAP 2302, EGN 3310 both with a grade of "C" (2.0) or better; CR: EGN 3321. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. *Fall, Spring.*
- CWR 4101C ECS-CECE 3(2,2)**  
**Hydrology:** PR: STA 3032; CWR 3201. Hydrological cycle, probabilistic forecasting, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. *Fall, Spring.*
- CWR 4203C ECS-CECE 3(2,2)**  
**Hydraulics:** PR: CWR 3201 Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratories with civil and environmental engineering applications. *Fall, Spring.* M&S fee \$20.00
- CWR 4632C ECS-CECE 4(3,2)**  
**Water Resources Engineering I:** PR: STA 3032 and CWR 3201 both with a grade of "C" (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures, and stormwater management. *Fall, Spring.*
- 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.* M&S fee \$2,509.89
- 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 4203C or equivalent. Theories of groundwater movement, geological factors, analysis and design techniques, etc. Emphasis on practical considerations. *Occasional.*
- CWR 5205 ECS-CECE 3(3,0)**  
**Hydraulic Engineering:** PR: CWR 4101C and CWR 4203C. Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. *Occasional.*
- CWR 5515 ECS-CECE 3(3,0)**  
**Numerical Methods in Civil and Environmental Engineering:** PR: CWR 4101C, CWR 4203C. 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 4101C, CWR 4203C. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. *Occasional.*
- 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 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. *Fall.*
- DAA 2200C CAH-THEA 2(2,1)**  
**Ballet I:** PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. *Fall.*
- DAA 2201C CAH-THEA 2(2,1)**  
**Ballet II:** PR: Theatre major, Dance minor, or department consent, 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 (meringue, 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 focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. *Occasional.*
- DAA 2502C CAH-THEA 2(2,1)**  
**Tap Dance I:** PR: Theatre major, Dance minor, or departmental 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.*



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<b>DAA 2570C</b> <b>CAH-THEA</b> <b>2(2,1)</b> <b>Jazz Dance I:</b> 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. <i>Fall, Spring.</i>	<b>DEP 5057</b> <b>COS-PSYCH</b> <b>3(3,0)</b> <b>Developmental Psychology:</b> PR: Graduate status or senior standing or C.I. Psychological aspects of development including intellectual, social, and personality factors. <i>Spring.</i>	<b>DIG 3362C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Artificial Characters:</b> 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. <i>Fall, Spring.</i>
<b>DAA 2571C</b> <b>CAH-THEA</b> <b>2(2,1)</b> <b>Jazz Dance II:</b> 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. <i>Spring.</i>	<b>DIG 2000</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Introduction to Digital Media:</b> PR: ENC 1101 and MAC 1105C. Introduction to history, principles, and processes associated with digital media and designing for digital media with emphasis on production and communication. <i>Fall, Spring.</i>	<b>DIG 3433C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Visual Storytelling and Visual Development:</b> PR: DIG 2109C and DIG 2500C and C.I. CR: DIG 3951. Processes and techniques to transform story concepts into a producible visual experience. <i>Fall, Spring.</i>
<b>DAA 3108C</b> <b>CAH-THEA</b> <b>2(2,1)</b> <b>Modern Dance III:</b> 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. <i>Spring.</i>	<b>DIG 2030C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Digital Video Fundamentals:</b> PR: ENC 1101, MAC 1105C; CR: DIG 2000. Introduces concepts and principles of producing and assembling digital video and the tools and techniques of video and sound capture. <i>Fall, Spring.</i>	<b>DIG 3450</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Interactive Performance I:</b> PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. <i>Fall, Spring.</i>
<b>DAA 3208C</b> <b>CAH-THEA</b> <b>2(2,1)</b> <b>Ballet III:</b> PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2201C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. <i>Fall.</i>	<b>DIG 2109C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Digital Imaging Fundamentals:</b> CR: DIG 2000. Introduces concepts and principles of image creation, and the tools and techniques of image capture, creation, manipulation, and integration for design concepts. <i>Fall, Spring.</i>	<b>DIG 3450H</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Honors Interactive Performance I:</b> PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. <i>Occasional.</i>
<b>DAA 3524C</b> <b>CAH-THEA</b> <b>2(2,1)</b> <b>Tap Dance III:</b> PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. <i>Fall.</i>	<b>DIG 2500C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Fundamentals of Interactive Design:</b> CR: DIG 2000. Foundations of interactive media including user-interface design. Students combine audio, video, imaging, and animation using industry standard software. <i>Fall, Spring.</i>	<b>DIG 3480C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Computer as a Medium:</b> PR: DIG 2500C, COP 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 web sites using current scripting languages. <i>Fall, Spring.</i>
<b>DAA 3612</b> <b>CAH-THEA</b> <b>3(3,0)</b> <b>Dance Improvisation/Composition I:</b> PR: DAA 2100C, Theatre major, Dance minor, or department consent. Theory and practice of dance composition. <i>Spring.</i>	<b>DIG 2821</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Creative Digital Media Problem Solving:</b> 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. <i>Fall, Spring.</i>	<b>DIG 3525</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Digital Media Production I:</b> PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution: group dynamics. Software tools for project planning, scheduling and management. <i>Fall, Spring.</i>
<b>DAA 3645</b> <b>CAH-THEA</b> <b>2(0,VAR)</b> <b>Choreography Practicum:</b> 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 used in the degree program a maximum of 5 times. <i>Spring.</i>	<b>DIG 3003</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Adventures in Emerging Media:</b> PR: ENC 1101. Examines the rules and culture of emerging media. The course is presented online in a nonlinear "choose your own adventure" format. <i>Occasional.</i>	<b>DIG 3543C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>The Production Process:</b> PR: DIG 2030C and DIG 2109C and C.I. CR: DIG 3951. Production in a visual medium from narrative idea to finished artifact. <i>Fall, Spring.</i>
<b>DAA 3684</b> <b>CAH-THEA</b> <b>1(0,VAR)</b> <b>Dance Performance:</b> 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. <i>Spring.</i> M&S fee \$15.00	<b>DIG 3024</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Digital Cultures &amp; Narrative:</b> PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Understanding of digital cultures and narrative theories from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. <i>Fall, Spring.</i>	<b>DIG 3563</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Information Management and Entrepreneurship:</b> PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. <i>Fall, Spring.</i>
<b>DAE 3370</b> <b>ED-CFC5</b> <b>3(1,2)</b> <b>Dance and Rhythmics:</b> The development of skill proficiency and instructional strategies in rhythmics and dance techniques, and fundamental movement patterns for grades K-12. <i>Occasional.</i>	<b>DIG 3035</b> <b>CAH-SVAD</b> <b>1(1,0)</b> <b>Digital Media in the Workplace:</b> PR: ENC 1102. Workplace skill preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i>	<b>DIG 3716C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Internet Interaction:</b> 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. <i>Fall, Spring.</i>
<b>DAN 3134</b> <b>CAH-THEA</b> <b>3(3,0)</b> <b>Dance History I:</b> 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. <i>Fall.</i>	<b>DIG 3043</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Evolution of Video Games:</b> PR: ENC 1101. Evolution of video games since the first game in the early 1950s to contemporary games. <i>Fall.</i>	<b>DIG 3811</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>User-Centered Design:</b> PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. <i>Fall, Spring.</i>
<b>DEP 2004C</b> <b>COS-PSYCH</b> <b>3(3,2)</b> <b>Developmental Psychology:</b> PR: PSY 2012. The effects of genetic, psychological, maturational, and social factors on behavior throughout the life cycle. <i>Fall, Spring.</i>	<b>DIG 3134</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Media Software Design:</b> PR: DIG 3480C. Fundamentals of interactive software development within Internet environments. Focus on server-side scripting methodologies and database design. <i>Fall, Spring.</i>	<b>DIG 3951</b> <b>CAH-SVAD</b> <b>0(0,0)</b> <b>Visual Language Portfolio Review:</b> PR: C.I. Review of relevant digital and artistic works in a student's portfolio. Graded S/U. <i>Fall.</i>
<b>DEP 2004H</b> <b>COS-PSYCH</b> <b>3(3,0)</b> <b>Honors Developmental Psychology:</b> PR: PSY 2012 and consent of Honors. Genetic, psychological, maturational, and social factors on behavior throughout the life cycle. With Honors content. <i>Fall.</i>	<b>DIG 3153</b> <b>CAH-SVAD</b> <b>3(3,0)</b> <b>Writing for Digital Media:</b> PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals in the following areas: language theory, document design, markup languages and the editing process. <i>Fall, Spring.</i>	<b>DIG 4104C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Web Design Workshop:</b> PR: DIG 3134C, DIG 3716C, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>
<b>DEP 3202</b> <b>COS-PSYCH</b> <b>3(3,0)</b> <b>Psychology of Exceptional Children:</b> PR: PSY 2012. Psychological problems of exceptional children, including diagnosis, associated emotional problems, effects of institutionalization, special class placement, attitudes, and appropriate intervention methods. <i>Occasional.</i>	<b>DIG 3253C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Digital Media Audio:</b> PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. <i>Fall, Spring.</i>	<b>DIG 4204C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Generating and Manipulating Digital Imagery:</b> PR: DIG 2030C, DIG 2109C, and DIG 2500C, or C.I. CR: DIG 3951. Core techniques for creating and manipulating second and third digital representations. <i>Fall, Spring.</i>
<b>DEP 3464</b> <b>COS-PSYCH</b> <b>3(3,0)</b> <b>Psychology of Aging:</b> 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. <i>Occasional.</i>	<b>DIG 3355C</b> <b>CAH-SVAD</b> <b>3(2,2)</b> <b>Artificial Environments and Effects:</b> 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. <i>Fall, Spring.</i>	<b>DIG 4206C</b> <b>CAH-SVAD</b> <b>3(1,4)</b> <b>New Imagery in Motion Workshop:</b> PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. <i>Spring.</i>



## UCF Courses and Descriptions

<b>DIG 4323C</b> CAH-SVAD <b>3(1,4)</b> <b>Modeling for Visual Language:</b> PR: DIG 4204C, successful portfolio, or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they be animated effectively and express narrative for digital production. <i>Fall.</i>	<b>DIG 4503</b> CAH-SVAD <b>3(3,0)</b> <b>Rapid Application Web Development:</b> PR: DIG 3134C and DIG 3716C. Asynchronous web development using current server-side and client-side scripting techniques and database technologies. <i>Fall, Spring.</i>	<b>DIG 4715C</b> CAH-SVAD <b>3(2,2)</b> <b>Game Production:</b> PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. <i>Fall, Spring.</i>
<b>DIG 4324C</b> CAH-SVAD <b>3(2,2)</b> <b>Modeling for Realtime Systems II:</b> PR: DIG 4780C. Advanced techniques for character animation, texture, lighting, rendering. Project oriented. <i>Spring.</i>	<b>DIG 4522</b> CAH-SVAD <b>3(3,0)</b> <b>Digital Media Service:</b> 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. <i>Fall, Spring.</i>	<b>DIG 4720C</b> CAH-SVAD <b>3(2,2)</b> <b>Casual Game Production:</b> PR: DIG 2500C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. <i>Fall, Spring.</i>
<b>DIG 4325C</b> CAH-SVAD <b>3(1,4)</b> <b>Look Modeling Workshop:</b> PR: DIG 4204C, successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. <i>Spring.</i>	<b>DIG 4523L</b> CAH-SVAD <b>1(0,3)</b> <b>Digital Media Service III:</b> PR: DIG 4522L and a minimum grade of "B" (3.0) or better in DIG 2000. Participation as a leader in a consulting service for selected clients both within and external to the university, where students design Web pages, and provide tutorial, installation, and maintenance assistance with software tools. Graded S/U. <i>Even Fall, Spring.</i>	<b>DIG 4725C</b> CAH-SVAD <b>3(2,2)</b> <b>Game Design Workshop:</b> PR: DIG 4715C, FIL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i>
<b>DIG 4326C</b> CAH-SVAD <b>3(1,4)</b> <b>Geometrical Modeling Workshop:</b> PR: DIG 4204C, 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. <i>Spring.</i>	<b>DIG 4524L</b> CAH-SVAD <b>3(0,3)</b> <b>Digital Media Project I:</b> 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. <i>Odd Fall, Even Spring.</i>	<b>DIG 4770</b> ECS-CS <b>3(3,0)</b> <b>Building Virtual Worlds:</b> PR: COP 3503C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for enabling dramatic, artistic and technical creativity. Project oriented. <i>Occasional.</i>
<b>DIG 4354C</b> CAH-SVAD <b>3(1,4)</b> <b>Advanced 3D Animation:</b> 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. <i>Spring.</i>	<b>DIG 4526</b> CAH-SVAD <b>3(3,0)</b> <b>Digital Media Production II:</b> 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. <i>Fall, Spring.</i>	<b>DIG 4780C</b> CAH-SVAD <b>3(2,2)</b> <b>Modeling for Realtime Systems:</b> PR: DIG 2109C and a minimum grade of "B" (3.0) in DIG 2000. Principles of construction of 3D models for real-time applications. Topics include level of detail management and efficiency versus visual quality for video games and simulation. <i>Fall, Spring.</i>
<b>DIG 4359C</b> CAH-SVAD <b>3(1,4)</b> <b>Artificial Environments and Effects Workshop:</b> PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. <i>Spring.</i>	<b>DIG 4528</b> CAH-SVAD <b>3(0,0)</b> <b>Digital Media Project II:</b> PR: DIG 4524L and a minimum grade of "B" (3.0) or better in DIG 2000. Continuation of IDS 4682. <i>Odd Fall, Even Spring.</i>	<b>DIG 4855</b> CAH-SVAD <b>3(3,0)</b> <b>Converging Media Capstone:</b> 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, proto-typing, development, marketing and assessment paralleling the business world. <i>Even Fall, Even Spring.</i> M&S fee \$45.00
<b>DIG 4369C</b> CAH-SVAD <b>3(1,4)</b> <b>Artificial Characters Workshop:</b> 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. <i>Spring.</i>	<b>DIG 4530C</b> CAH-SVAD <b>3(2,2)</b> <b>Media for e-Commerce:</b> PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. <i>Fall, Spring.</i>	<b>DIG 5045C</b> CAH-SVAD <b>3(1,3)</b> <b>Principles of Interactive Entertainment I:</b> PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. <i>Fall.</i>
<b>DIG 4373C</b> CAH-SVAD <b>3(1,4)</b> <b>3D Textures:</b> PR: DIG 4369C, successful portfolio review, or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. <i>Spring.</i>	<b>DIG 4624C</b> CAH-SVAD <b>3(1,4)</b> <b>Digital Production in Artificial Environments:</b> PR: DIG 4359C, 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. <i>Fall.</i>	<b>DIG 5046C</b> CAH-SVAD <b>3(1,3)</b> <b>Principles of Interactive Entertainment II:</b> PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. <i>Fall.</i>
<b>DIG 4394C</b> CAH-SVAD <b>3(1,4)</b> <b>Motion Graphics: Advanced Compositing:</b> PR: DIG 4359C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3-D Content. <i>Spring.</i>	<b>DIG 4630C</b> CAH-SVAD <b>3(2,2)</b> <b>Media Business Practices:</b> PR: DIG 3525. Media business practices for working with interactive web sites and other media interfaces. Covers skills related to e-commerce and other forms of dynamic media. <i>Fall, Spring.</i>	<b>DIG 5137</b> CAH-SVAD <b>3(3,0)</b> <b>Information Architecture:</b> 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. <i>Fall.</i>
<b>DIG 4434C</b> CAH-SVAD <b>3(1,4)</b> <b>Narrative Techniques in the Moving Image:</b> PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. <i>Spring.</i>	<b>DIG 4645</b> ECS-CS <b>3(3,0)</b> <b>Digital Media:</b> PR: COP 3503C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. <i>Occasional.</i>	<b>DIG 5366</b> CAH-SVAD <b>3(3,0)</b> <b>Creating Interactive Characters:</b> PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. <i>Fall, Spring.</i>
<b>DIG 4451C</b> CAH-SVAD <b>3(1,4)</b> <b>Visual Storytelling and Visual Development Workshop:</b> PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. <i>Odd Spring.</i>	<b>DIG 4693C</b> CAH-SVAD <b>3(2,2)</b> <b>Production Software Workshop:</b> 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. <i>Spring.</i>	<b>DIG 5487</b> CAH-SVAD <b>3(3,0)</b> <b>Principles of Visual Language:</b> PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. <i>Fall.</i>
<b>DIG 4455</b> CAH-SVAD <b>3(3,0)</b> <b>Interactive Performance II:</b> PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. <i>Spring.</i>	<b>DIG 4704</b> CAH-SVAD <b>3(3,0)</b> <b>Interactive Entertainment:</b> 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. <i>Fall, Spring.</i>	<b>DIG 5529C</b> CAH-SVAD <b>3(1,3)</b> <b>Production for Media:</b> PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. <i>Fall.</i>
<b>DIG 4486C</b> CAH-SVAD <b>3(1,4)</b> <b>Visual Language of Moving Image II:</b> 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. <i>Fall.</i>	<b>DIG 4713</b> CAH-SVAD <b>3(3,0)</b> <b>Game Design:</b> PR: DIG 3024 and DIG 3525. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. <i>Fall, Spring.</i>	<b>DIG 5548C</b> CAH-SVAD <b>3(1,3)</b> <b>Rapid Prototype Production I:</b> PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. <i>Fall.</i>
		<b>DIG 5549C</b> CAH-SVAD <b>3(1,3)</b> <b>Rapid Prototype Production II:</b> PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. <i>Fall.</i>



## UCF Courses and Descriptions

**DIG 5565C CAH-SVAD 3(1,3)**  
**Digital Asset Management Systems:** PR: Graduate standing or C.I. Structure and use of Digital Asset Management Systems (DAMS). Protection of intellectual property rights by encryption, water marking, steganography. Version and work process flow control systems. *Occasional.*

**DIG 5627 CAH-SVAD 3(3,0)**  
**Autonomous Characters:** PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. *Occasional.*

**DIG 5810 CAH-SVAD 3(3,0)**  
**Ways of Seeing: Cultural and Technological Perspectives:** PR: Admission to Film and Digital Media master's program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. *Fall.*

**DIG 5835 CAH-SVAD 3(3,0)**  
**Digital Forensics:** PR: CGS 5131 or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. *Occasional.*

**DIG 5950 CAH-SVAD 3(3,0)**  
**Interactive Entertainment Capstone:** PR: Admission to Digital Media MS. Prepare a product design document and technical design document for a production project. Graded S/U. *Fall, Spring.*

**DSC 4012 HPA-CJ 3(3,0)**  
**Terrorism:** PR: CCJ 3024 and CJE 4014 or C.I. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. *Occasional.*

**DSC 4013 HPA-CJ 3(3,0)**  
**Homeland Security and Criminal Justice:** PR: CCJ 3014 and CCJ 3024 or C.I. Analysis of homeland safety and security in contemporary society and government. *Occasional.*

**EAB 3703C COS-PSYCH 4(3,2)**  
**Principles of Behavior Modification:** PR: PSY 2012, and EXP 3404C. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. *Fall.*

**EAB 3706C COS-PSYCH 4(3,2)**  
**Behavior Modification - Part II:** PR: EAB 3703C, EXP 3404C. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. *Occasional.*

**EAB 5765 COS-PSYCH 3(3,0)**  
**Applied Behavior Analysis with Children and Youth:** PR: DEP 5057 and EXP 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. *Occasional.*

**EAS 3010 ECS-MMAE 3(3,0)**  
**Fundamentals of Aerospace Flight:** PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312 and PHY 2048; CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. *Fall.*

**EAS 3101 ECS-MMAE 3(3,0)**  
**Fundamentals of Aerodynamics:** PR: EAS 3010. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. *Spring.*

**EAS 3530 ECS-MMAE 3(3,0)**  
**Space Systems Concepts:** PR: EGN 3321, PHY 2049C, MAP 2302. Physical and engineering aspects of current space flights. Space nuclear propulsion and power. Design of spacecraft for space environment. Communication with spacecraft. Space-borne instrumentation. *Spring.*

**EAS 3800C ECS-MMAE 3(2,3)**  
**Aerospace Engineering Measurements:** PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to aerospace engineering. *Fall.* M&S fee \$15.00

**EAS 3810C ECS-MMAE 3(1,3)**  
**Design of Aerospace Experiments:** PR: EAS 3800C and EAS 3010. Extension of EAS 3800C. Design of experiments in aeronautic/aerospace systems with emphasis on project team activity. *Spring.* M&S fee \$45.00

**EAS 3990 ECS-MMAE 0(0,0)**  
**Aerospace Career and Academic Faculty Advising I:** PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring.*

**EAS 4105 ECS-MMAE 3(3,0)**  
**Flight Mechanics:** PR: EAS 3101 and CR: EML 4312C. Analysis and design of aircraft performance, static and dynamic stability and automatic control systems. *Fall.*

**EAS 4134 ECS-MMAE 3(3,0)**  
**High-Speed Aerodynamics:** PR: EGN 3343, EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. *Fall.*

**EAS 4154 ECS-MMAE 3(3,0)**  
**Rotorcraft Aerodynamics:** PR: EAS 3010. Helicopter aerodynamics. Momentum and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. *Occasional.*

**EAS 4200 ECS-MMAE 3(3,0)**  
**Flight Structures:** PR: EGM 3601. Fundamental structural and dynamic design of aircraft and space vehicle components. Classical and finite element methods. *Fall.*

**EAS 4210 ECS-MMAE 3(3,0)**  
**Space Structural Dynamics:** PR: EGN 3321, EGM 3601 and EML 3034C. Analytical mechanics and linear system theory. Modern approach to control of lumped parameter systems. Review of space structure applications. Use of finite element methods. *Spring.*

**EAS 4300 ECS-MMAE 3(3,0)**  
**Aerothermodynamics of Propulsion Systems:** PR: EAS 4134 or EML 4703. Fundamental analysis and design considerations of propulsion systems. Turbojets, ramjets and rockets. *Spring.*

**EAS 4400 ECS-MMAE 3(3,0)**  
**Spacecraft Attitude Dynamics:** PR: EML 4312C. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. *Occasional.*

**EAS 4404C ECS-MMAE 3(2,3)**  
**Discrete Control in Aerospace Vehicles:** PR: EML 4312C and EAS 3800C. Discrete control aspects of aerospace vehicles, digital controller, design, state-space representation, Z-transform, system response. *Spring.* M&S fee \$15.00

**EAS 4505 ECS-MMAE 3(3,0)**  
**Orbital Mechanics:** PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. *Spring.*

**EAS 4700C ECS-MMAE 3(1,6)**  
**Aerospace Design I:** PR: EAS 4200, EAS 3010, EAS 3800C, CR: EML 4312C, EAS 4991. Application of the design process to the team solution of a state-of-the-art problem. Airplanes and space vehicles, systems and devices are considered. *Fall, Spring.*

**EAS 4710C ECS-MMAE 3(1,6)**  
**Aerospace Design II:** PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. *Fall, Spring.* M&S fee \$60.00

**EAS 4991 ECS-MMAE 0(0,0)**  
**Aerospace Career and Academic Faculty Advising II:** PR: EAS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring.*

**EAS 5123 ECS-MMAE 3(3,0)**  
**Intermediate Aerodynamics:** PR: EAS 4134; CR: EML 5060. Aerodynamic characteristics of airfoils, finite wings, waves, wing-body combinations, viscous flow and flow instabilities. Airfoil design. *Occasional.*

**EAS 5157 ECS-MMAE 3(3,0)**  
**V/Stol Aerodynamics and Performance:** PR: EAS 4105; CR: EML 5060. Momentum theory, blade element theory, hover and forward flight, stability, aeroelasticity. *Occasional.*

**EAS 5211 ECS-MMAE 3(3,0)**  
**Aeroelasticity:** PR: EAS 3101 or EML 3701 and EAS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aeroelasticity; flutter and vibration. *Occasional.*

**EAS 5302 ECS-MMAE 3(3,0)**  
**Direct Energy Conversion:** PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems design. *Occasional.*

**EAS 5315 ECS-MMAE 3(3,0)**  
**Rocket Propulsion:** PR: EAS 4134 or EML 4703. Analysis and performance of rocket motors; selection and thermochemistry of chemical propellants: liquid and solid propellant rockets. *Occasional.*

**EAS 5407 ECS-MMAE 3(3,0)**  
**Mechatronic Systems:** PR: EML 4312C or C.I. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications. *Odd Spring.*

**EAS 5535 ECS-MMAE 3(3,0)**  
**Engineering Design for Aerospace Vehicles:** PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. *Occasional.*

**EBD 3213 ED-CFCS 3(3,0)**  
**Behavioral Issues of the Emotionally Handicapped:** An introduction to functional schema of the field to include behavior management techniques, theories, legal considerations, counseling skills, etiology, prevention and utilization of community services. *Occasional.*

**EBD 4011 ED-CFCS 4(4,0)**  
**Introduction to the Emotionally Disturbed:** PR: Senior standing. Development and practice of appropriate cognitive, affective, and motor strategies for selected categories, levels, and degrees of severity of exceptional population. *Occasional.*

**EBD 4210 ED-CFCS 3(3,0)**  
**Curriculum and Program Adaptation, E.H.:** Development of highly specialized curriculum and identification, evaluation, modification, and use of curriculum materials and programs for students with emotional handicaps. *Occasional.*

**EBD 4243 ED-CFCS 3(3,0)**  
**Teaching the Emotionally Handicapped:** Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. *Occasional.*

**EBD 4244 ED-CFCS 2(2,0)**  
**Instructional Strategies and Curriculum for Students with Emotional Handicaps:** PR: EEX 2010. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. *Occasional.*

## UCF Courses and Descriptions

<b>ECM 4504C</b> <b>ECS-ECE</b> <b>4(3,3)</b> <b>Embedded Computer Systems:</b> PR: EEL 4768C, EEL 4851C, EEL 4635C. Computer Applications in Systems role, sensor and actuator interfacing. Design projects, including problem statements and specifications, design methodology, implementation, testing, and documentation. <i>Occasional.</i>	<b>ECO 3411</b> <b>BA-ECON</b> <b>4(4,0)</b> <b>Quantitative Business Tools II:</b> PR: Junior standing and business major or minor, ECO 2013, ECO 2023, and ECO 3401. The use of statistical methods as scientific tools in the analysis of economics and business problems. <i>Fall, Spring.</i>	<b>ECP 3203</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Labor Economics:</b> PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. <i>Occasional.</i>
<b>ECM 5135</b> <b>ECS-ECE</b> <b>3(3,0)</b> <b>Engineering Math Analysis I:</b> PR: MAP 2302. Topics in advanced engineering mathematics, including systems of differential equations, phase plane, linear algebra, and vector differential calculus. <i>Occasional.</i>	<b>ECO 3411H</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Honors: Quantitative Business Tools II:</b> PR: ECO 3401, permission of honors. Same as ECO 3411 with Honors level content. <i>Occasional.</i>	<b>ECP 3302</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Economics and the Environment:</b> PR: ECO 2023. Analysis of environmental problems from an economic perspective, its relationship to other disciplines, and the international dimension of environmental policy. Not open to Economics majors. <i>Even Fall.</i>
<b>ECM 5741C</b> <b>ECS-ECE</b> <b>3(2,3)</b> <b>Microcomputer-based Monitoring and Control Systems:</b> PR: EEE 3342C; EEL 4742C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. <i>Occasional.</i>	<b>ECO 3703</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>International Microeconomics:</b> PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade's impact on global resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. <i>Fall.</i>	<b>ECP 4303</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Environmental and Natural Resource Economics:</b> PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the micro-economic and macroeconomic level. <i>Odd Fall.</i>
<b>ECO 2013</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Principles of Macroeconomics:</b> An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. <i>Fall, Spring.</i>	<b>ECO 3704</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Global Economic Policy:</b> PR: ECO 2013 and ECO 2023. Interdependent nature of the global economy, its current economic problems and the different policy perspectives and their impact. <i>Spring.</i>	<b>ECP 4403</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Industrial Organization and Game Theory:</b> 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. <i>Fall, Spring.</i>
<b>ECO 2013H</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Honors Principles of Economics Macroeconomics:</b> PR: Permission of Honors. Same as ECO 2013 with honors-level content. <i>Fall, Spring.</i>	<b>ECO 4303</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>History of Economic Thought:</b> PR: ECO 2013 or ECO 2023. A study of the principal ideas of the major contributors to the development of economic thought. <i>Occasional.</i>	<b>ECP 4703</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Managerial Economics:</b> PR: ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Not open to Economics majors. <i>Spring.</i>
<b>ECO 2023</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Principles of Microeconomics:</b> The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. <i>Fall, Spring.</i>	<b>ECO 4412</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Econometrics:</b> PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. <i>Even Fall.</i>	<b>ECS 4013</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Development Economics:</b> PR: ECO 2013 and ECO 2023. The study of problems, theories, and issues of economic development in the global economy. <i>Fall, Spring.</i>
<b>ECO 2023H</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Honors Principles of Microeconomics:</b> PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. <i>Occasional.</i>	<b>ECO 4451</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Research Methods in Economics:</b> PR: ECO 3101, ECO 3203 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. <i>Fall, Spring.</i>	<b>ECT 3062</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Professional Role of the Vocational Teacher:</b> PR: ECT 3371 or C.I. <i>Occasional.</i>
<b>ECO 3070</b> <b>BA-ECON</b> <b>1(1,0)</b> <b>Tutoring/Teaching Techniques for Undergraduate Economics:</b> PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i>	<b>ECO 4504</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Public Economics:</b> PR: ECO 3101. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens. <i>Occasional.</i>	<b>ECT 3365</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>General Methods/Testing Evaluation in Career &amp; Technical Education:</b> General teaching methods, testing and evaluation. Techniques specific to Career & Technical Education and Industry Training. <i>Fall.</i>
<b>ECO 3101</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Intermediate Microeconomics:</b> PR: ECO 2013, ECO 2023 and ECO 3401. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. <i>Fall, Spring.</i>	<b>ECO 4713</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>International Macroeconomics:</b> PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. <i>Occasional.</i>	<b>ECT 3367</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Evaluation of Vocational Instruction:</b> PR: ECT 3371 or C.I. Study, practice, and achievement of competency in assessing student cognitive, affective, and psychomotor performance in vocational education. <i>Spring.</i>
<b>ECO 3203</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Intermediate Macroeconomics:</b> PR: ECO 2013 and ECO 2023 and ECO 3401. Measurement, analysis, and control of aggregate economic activity. <i>Fall, Spring.</i>	<b>ECO 4751</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Law and Economics:</b> PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. <i>Occasional.</i>	<b>ECT 3371</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Course Construction in Industrial Education:</b> PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. <i>Occasional.</i>
<b>ECO 3223</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Money and Banking:</b> PR: ECO 2013. Nature of money, commercial banking system, and monetary theory, and their relationship to the level of economic activity and activities of the Federal Reserve and U.S. Treasury. <i>Odd Spring.</i>	<b>ECO 4941</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Economics Internship:</b> PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. May be used in the degree program a maximum of 1 times. <i>Occasional.</i>	<b>ECT 4004</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Principles and Practices of Technical Education:</b> PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. <i>Fall.</i>
<b>ECO 3401</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Quantitative Business Tools I:</b> PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. <i>Fall, Spring.</i>	<b>ECO 5005</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Economic Concepts:</b> PR: Acceptance into the graduate program. Introduction to micro and macro economic analysis. <i>Occasional.</i>	<b>ECT 4184</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Curriculum Development Techniques for Industry Training:</b> The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. <i>Spring.</i>
<b>ECO 3410</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Mathematical Economics:</b> PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. <i>Spring.</i>	<b>ECP 3004</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Seminar on Current Economic Topics:</b> PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 times. <i>Occasional.</i>	<b>ECT 4384</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Advanced Teaching Techniques for Vocational Education:</b> PR: ECT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. <i>Fall.</i>
	<b>ECP 3006</b> <b>BA-ECON</b> <b>3(3,0)</b> <b>Economics of Sports:</b> PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, public financing of sport facilities, and sports in the not-for-profit sector. <i>Fall.</i>	<b>ECT 4815</b> <b>ED-E&amp;HS</b> <b>3(3,0)</b> <b>Safety in the Technical Education Classroom and Laboratory:</b> PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. <i>Occasional.</i>



## UCF Courses and Descriptions

- ECW 3312 ED-E&HS 3(3,0)**  
**Course Construction in Health Occupations**  
**Education:** PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. *Occasional.*
- ECW 3564 ED-E&HS 3(3,0)**  
**Special Populations in Career & Technical**  
**Education:** PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. *Spring.*
- ECW 5207 ED-E&HS 2-4(2-4,0)**  
**Management of Vocational Programs:** PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. *Occasional.*
- ECW 5265 ED-E&HS 2-4(2-4,0)**  
**Cooperative Programs in Vocational**  
**Education:** PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. *Occasional.*
- ECW 5561 ED-E&HS 2-3(2-3,0)**  
**Student Guidance in the Vocational Program:** PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. *Occasional.*
- EDE 3942 ED-TL&L 3(3,0)**  
**Internship I:** PR: EDG 4410, RED 3012, RED 4519, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. *Fall, Spring.*
- EDE 4223 ED-TL&L 3(3,0)**  
**Integrated Arts and Movement in the Elementary School:** PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. *Fall, Spring.* M&S fee \$10.00
- EDE 4943 ED-TL&L 7-12(0,35)**  
**Internship II (Elementary):** PR: EDE 3942. Student teaching in an elementary school under the supervision of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U. *Occasional.*
- EDE 4945 ED-TL&L 1(1,0)**  
**Internship II Seminar:** PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. *Fall, Spring.*
- EDF 1942 ED-TL&L 3(3,0)**  
**Introduction to Educational Internship:** Introduction to educational internship with selected partnership institutions. *Occasional.*
- EDF 2005 ED-TL&L 3(3,0)**  
**Introduction to the Teaching Profession:** A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. *Fall, Spring.*
- EDF 2007 ED-TL&L 3(3,0)**  
**Introduction to Substitute Teaching:** Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. *Fall, Spring.*
- EDF 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.*
- EDF 2130 ED-TL&L 3(3,0)**  
**Child and Adolescent Development for Educators:** Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. *Fall, Spring.*
- EDF 2250 ED-TL&L 3(3,0)**  
**Classroom Management for Substitute Teachers:** Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. *Fall, Spring.*
- EDF 2720 ED-TL&L 3(3,0)**  
**Children in Schools: Legal, Ethical and Safety Concerns:** PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children's lives through the analysis of legal, ethical and safety concerns. *Fall, Spring.*
- EDF 3120 ED-TL&L 3(3,0)**  
**Observing Child Growth and Development:** PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. *Fall, Odd Spring.*
- EDF 3303 ED-TL&L 3(3,0)**  
**Learning Environments and Guidance for Young Children:** PR: All courses in Block I. CR: All courses in Block II. Developmentally appropriate education materials, strategies, environments, and guidance for young children. Exploration of active learning and the development of young children's self-esteem and self-regulation. *Even Spring.*
- EDF 3601 ED-TL&L 3(3,0)**  
**Professional Ethics in Education:** Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. *Fall, Spring.*
- EDF 3740 ED-TL&L 3(3,0)**  
**Foundations of Early Childhood Education:** PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. *Occasional.*
- EDF 4214 ED-TL&L 3(3,0)**  
**Classroom Learning Principles:** PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. *Fall, Spring.*
- EDF 4466 ED-E&HS 3(3,0)**  
**Classroom Assessment & Evaluation Techniques:** PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. *Fall, Spring.*
- EDF 4467 ED-TL&L 3(3,0)**  
**Learning Theory and Assessment:** PR: EDF 2005, EDF 2085, EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations. Fifteen hour in-school experience required. *Fall, Spring.*
- EDF 4603 ED-TL&L 3(3,0)**  
**Analysis and Application of Ethical, Legal, and Safety Issues in Schools:** PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. *Fall, Spring.*
- EDF 4603H ED-TL&L 3(3,0)**  
**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 schooling in a democracy with Honors content. *Fall.*
- EDF 5245 ED-TL&L 3(3,0)**  
**Preparation and Management of Classroom Instruction:** PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. *Occasional.*
- EDF 5607 ED-TL&L 3(3,0)**  
**Language, Culture and Pedagogy: Impact and Implications:** PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. *Occasional.*
- EDG 1005C ED-TL&L 2(1,1)**  
**Foundations of Leadership:** PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring.*
- EDG 2311 ED-TL&L 3(3,0)**  
**Teaching Strategies for Substitute Teachers:** Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. *Fall, Spring.*
- EDG 4323 ED-TL&L 3(3,0)**  
**Professional Teaching Practices:** PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaptation of instruction for diverse student populations. *Fall, Spring.*
- EDG 4410 ED-TL&L 3(3,0)**  
**Teaching Strategies and Classroom Management:** PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. *Fall, Spring.*
- EDG 4941 ED-TL&L 1-8(0,1-8)**  
**Directed Field Experience:** PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. *Occasional.*
- EDG 4948 ED-TL&L 3(3,0)**  
**Service Learning:** PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. *Fall, Spring.*
- EDG 4954 ED-TL&L 3(3,0)**  
**Developing Int'l Education Perspectives: Field Experiences in European Schools:** PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program in Europe. Students gain insights into global and local education issues through in-school experiences. *Occasional.*
- EDG 5745 ED-TL&L 3(3,0)**  
**Teaching the Non-English Student:** PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. *Occasional.*
- EDG 5941 ED-TL&L 2-8(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 basis teaching pedagogy to help engineering students becomes better TA's and help students deliver better technical presentations. *Occasional.*
- EDS 5356 ED-TL&L 3(2,1)**  
**Mentoring and Clinical Supervision of Pre-professional Educators:** PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. *Fall, Spring.*

# UCF Courses and Descriptions

**EEC 2001 ED-CFCS 3(3,0)**  
**Introduction to Early Childhood Education:** An overview of early childhood education and services for young children and their families. Includes historical roots, societal changes, program differentiation and future trends. *Occasional.*

**EEC 3214 ED-TL&L 3(3,0)**  
**Early Childhood Education Learning Environment & Strategies:** PR: Admission to the program. Examines developmentally appropriate education materials, strategies, and environments for young children. Explores an integrated approach to curriculum planning and scheduling which emphasizes active learning. *Occasional.*

**EEC 3613 ED-CFCS 3(3,0)**  
**Observation and Assessment of Young Children:** PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds. Appropriate interventions, remediations, and enrichment. *Occasional.*

**EEC 3700 ED-CFCS 3(3,0)**  
**Social and Emotional Development of Young Children:** Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. *Occasional.*

**EEC 3940 ED-CFCS 3(0,3)**  
**Integration Internship I:** PR: Senior Status; RED 4311 or RED 3310. Field based placement in which the students will have supervised practice integrating course content areas. *Occasional.*

**EEC 4207 ED-CFCS 3(3,0)**  
**Assessment and Evaluation of Young Children:** PR: Admission to the Early Childhood Program and EEC 3700. Early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. *Fall.*

**EEC 4235C ED-CFCS 3(2,1)**  
**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 4300, RED 4311, SCE 4304. Seminar course which combines coursework, research, and practical experience. *Fall, Spring.*

**EEC 4266 ED-CFCS 3(3,0)**  
**Early Intervention:** Provides an overview of developmental assessment, and intervention with at-risk and handicapped infants and toddlers. *Occasional.*

**EEC 4268 ED-CFCS 3(3,0)**  
**Curriculum Activities in Early Childhood:** PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. *Fall, Spring.*

**EEC 4303 ED-CFCS 3(3,0)**  
**Planning Creative Activities in Early Childhood Education:** PR: Admission into Early Childhood Development and Education program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. *Occasional.*

**EEC 4402 ED-CFCS 3(3,0)**  
**Cultural and Family Systems:** Explores the institution of family in its cultural context as a living dynamic system. *Occasional.*

**EEC 4414 ED-CFCS 3(3,0)**  
**Parent-Child Relations:** PR: EEC 3700; EEC 4661; RED 3310; EEX 4751; LIN 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. *Fall, Spring.*

**EEC 4524 ED-CFCS 3(3,0)**  
**Organization and Management in Early Childhood:** Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. *Occasional.*

**EEC 4528 ED-CFCS 3(3,0)**  
**Infant/Toddler Care and Education:** Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. *Occasional.*

**EEC 4604 ED-CFCS 3(3,0)**  
**Classroom Management and Guidance of Young Children:** PR: Admission into Early Childhood Education Program and EEC 3700. Techniques to guide behavior of young children, emphasizing classroom management and pro-social skills. *Spring.*

**EEC 4661 ED-CFCS 3(3,0)**  
**Early Childhood Education Theory and Practice:** PR: Admission to the Early Childhood Program. Study of early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. *Fall, Spring.*

**EEC 4731 ED-CFCS 3(3,0)**  
**Health, Safety, and Nutrition for Young Children:** Health and safety issues in early childhood (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. *Spring.*

**EEC 4744 ED-CFCS 3(3,0)**  
**Child Life: Psychosocial Care of Children in Health Settings:** PR: EEC 3700. Course teaches Child Life theory and practice to students wanting to work with children, youth and their families in hospitals and pediatric clinical settings. *Spring.*

**EEC 4936 ED-CFCS 2(2,0)**  
**Seminar in Early Childhood:** Current trends, issues and advocacy in field of early childhood education. Includes guidance and clarification concerning student teaching. *Occasional.*

**EEC 4940 ED-CFCS 12(0,12)**  
**Practicum: Early Childhood Development:** PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. *Fall, Spring.*

**EEC 4943 ED-CFCS 12(0,12)**  
**Student Teaching:** Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. *Occasional.*

**EEC 5205 ED-CFCS 3(3,0)**  
**Programs and Trends in Early Childhood Education:** PR: Regular Certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. *Occasional.*

**EEC 5206 ED-CFCS 3(3,0)**  
**Organization of Instruction in Early Childhood Education:** PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. *Spring.*

**EEC 5208 ED-CFCS 3(3,0)**  
**Creative Activities in Early Childhood:** PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. *Even Fall.*

**EEC 5745 ED-CFCS 3(3,0)**  
**Child Life: Psychosocial Care of Children in Health Settings:** PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. *Odd Spring.*

**EEE 3307C ECS-ECE 4(3,3)**  
**Electronics I:** PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. *Fall, Spring.* M&S fee \$15.00

**EEE 3342C ECS-ECE 3(2,3)**  
**Digital Systems:** PR: MAC 2311, MAC 2312, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. *Fall, Spring.* M&S fee \$9.00

**EEE 3350 ECS-ECE 3(3,0)**  
**Semiconductor Devices I:** PR: EEL 3004 and PHY 3101. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. *Fall, Spring.*

**EEE 4309C ECS-ECE 4(3,3)**  
**Electronics II:** PR: EEE 3307C, EEE 3342C. Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits: A/D and D/A converters. *Fall, Spring.* M&S fee \$20.00

**EEE 4314 ECS-ECE 3(3,0)**  
**Device Electronics for Integrated Circuits:** PR: EEE 3350. P.N. Junctions, Bipolar Transistor Analysis, Metal Semiconductor contacts, MOS Systems MOSFET Analysis and Limitations. *Occasional.*

**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. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. *Occasional.* M&S fee \$70.00

**EEE 5352 ECS-ECE 3(3,0)**  
**Semiconductor Material and Device Characterization:** PR: EEE 3350 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. *Occasional.*

**EEE 5353 ECS-ECE 3(3,0)**  
**Semiconductor Device Modeling and Simulation:** PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. *Spring.*

**EEE 5356C ECS-ECE 4(3,3)**  
**Fabrication of Solid-State Devices:** PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. *Fall, Spring.* M&S fee \$70.00

**EEE 5370 ECS-ECE 3(3,0)**  
**Operational Amplifiers:** PR: EEE 4309C. Ideal and non-ideal Op-Amps. Linear applications. Active RC and switched-capacitor filters. Non-linear and other functional circuits. Frequency stability and compensation of Op-Amps. *Even Fall.*

**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 3307C. CMOS VLSI design methodologies: full custom chip design, industrial CAD tools; simulation; verification. *Spring.*

**EEL 3004 ECS-ECE 3(3,0)**  
**Electrical Networks:** PR: MAC 2311, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. *Fall, Spring.*





## UCF Courses and Descriptions

<b>EEL 3041</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Circuit Analysis:</b> 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 CpE majors. <i>Fall, Spring.</i>
<b>EEL 3123C</b>	<b>ECS-ECE</b>	<b>4(3,1)</b>	<b>Networks and Systems:</b> PR: EEL 3004, MAP 2302 with a "C" (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. <i>Fall, Spring.</i> M&S fee \$15.00
<b>EEL 3470</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Electromagnetic Fields:</b> PR: EEL 3004. Electric and magnet fields and electromagnetic waves. <i>Fall, Spring.</i>
<b>EEL 3531</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Information Theory:</b> PR: STA 2023. Entropy and mutual information. Asymptotic equipartition property. Entropy rates of a stochastic process. Data compression. Channel capacity. Gaussian channel. Rate distortion theory. Network information theory. Not open to EE or CpE majors. <i>Fall, Spring.</i>
<b>EEL 3552C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Analog and Digital Communication Fundamentals:</b> PR: EEL 3123C. Fourier Transform Theory, fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection. <i>Fall, Spring.</i> M&S fee \$15.00
<b>EEL 3657</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Linear Control Systems:</b> PR: EEL 3123C, EGN 3420. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. <i>Fall, Spring.</i>
<b>EEL 3801C</b>	<b>ECS-ECE</b>	<b>3(3,2)</b>	<b>Computer Organization:</b> PR: COP 3223, EEE 3342C. Computer arithmetic, Instruction Set Architecture, performance, data path, control unit, memory hierarchy, I/O interface. <i>Fall, Spring.</i>
<b>EEL 4050L</b>	<b>ECS-ECE</b>	<b>1(0,3)</b>	<b>EECS Integrated Laboratory:</b> PR: EEL 3552C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transmitters and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. <i>Occasional.</i>
<b>EEL 4130</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Fundamentals of Continuous Simulation:</b> PR: MAP 2302. Fundamental concepts of continuous system simulation. Numerical integration, math modeling, simulation software. May be repeated for credit. <i>Occasional.</i>
<b>EEL 4140C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Analog Filter Design:</b> PR: EEL 3123C. Passive and active analog filter design. <i>Fall.</i> M&S fee \$15.00
<b>EEL 4205</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Electric Machinery:</b> PR: EEL 3004. Fundamentals of DC and AC electric machines. <i>Occasional.</i>
<b>EEL 4216</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Fundamentals of Electric Power Systems:</b> PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. <i>Spring.</i>
<b>EEL 4436C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Microwave Engineering:</b> 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. <i>Odd Fall.</i> M&S fee \$35.00
<b>EEL 4440</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Optical Engineering:</b> PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. <i>Spring.</i>
<b>EEL 4512C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Communication Systems:</b> PR: STA 3032, EEL 3552C and EEE 3307C. Information transmission, modulation, and noise; design and comparison systems in the presence of noise. <i>Occasional.</i>
<b>EEL 4515C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Digital Communication Systems:</b> PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta Modulation ASK, FSK, PSK, MPSK, introduction to coding. <i>Fall.</i> M&S fee \$20.00
<b>EEL 4518</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Satellite Communications:</b> PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. <i>Fall.</i>
<b>EEL 4612</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Introduction to Modern and Robust Control:</b> PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analysis, and classical frequency domain design. <i>Occasional.</i>
<b>EEL 4635C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Computer Control Systems:</b> PR: EEL 3657. 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. <i>Occasional.</i>
<b>EEL 4742C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Embedded Systems:</b> 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. <i>Fall, Spring.</i> M&S fee \$15.00
<b>EEL 4750</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Digital Signal Processing Fundamentals:</b> PR: EEL 3123C. Study of discrete-time signals and systems, Z-transform, DFT introduction to digital filter design. <i>Fall, Spring.</i>
<b>EEL 4768C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Computer Architecture:</b> PR: EEL 3801C or CDA 3103. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISCvs. CISC. <i>Fall, Spring.</i> M&S fee \$30.00
<b>EEL 4781</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Computer Communication Networks:</b> PR: EEL 3801C, STA 3032. Network models. Media access protocols. Data link control. Routing and flow control. Internetworking. Current architectures and protocols: OSI, ethernet, token, ring, FDDI, HSLC, X.25, etc. <i>Fall, Spring.</i>
<b>EEL 4783</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Hardware Description Languages in Digital Systems Design:</b> PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. <i>Occasional.</i>
<b>EEL 4791</b>	<b>ECS-ECE</b>	<b>3(2,4)</b>	<b>Telemetry and Space Computer Systems:</b> PR: EEL 3552C and EEL 3801C, EEL 3657, EEE 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "inertial upper stages". <i>Occasional.</i>
<b>EEL 4817H</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Honors Current Topics in Machine Learning II:</b> PR: Consent of Honors and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. <i>Spring.</i>
<b>EEL 4818H</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Honors Current Topics in Machine Learning I:</b> 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. <i>Fall.</i>
<b>EEL 4832</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Engineering Applications of Computer Methods:</b> PR: MAP 2302, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of differential equations, simulation, optimization, and multidimensional root-finding, integration and series approximations. <i>Fall, Spring.</i>
<b>EEL 4851C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Engineering Data Structures:</b> PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. <i>Fall, Spring.</i>
<b>EEL 4872</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Engineering Applications of Intelligent Systems:</b> 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. <i>Occasional.</i>
<b>EEL 4882</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Engineering Systems Software:</b> PR: EEL 4851C and EEL 4742C. Introduction to operating systems concepts and facilities for engineering applications, including multiprogramming, resource allocation and management, systems utilities, and operating system implementation. <i>Fall, Spring.</i>
<b>EEL 4884C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Engineering Software Design:</b> PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE: Analysis, design, and development of a large software project. <i>Fall, Spring.</i>
<b>EEL 4890</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Continuous System Simulation I:</b> PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. <i>Occasional.</i>
<b>EEL 4914</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Senior Design I:</b> PR: EEE 3307C, EEL 4742C, and consent of School of EECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. <i>Fall, Spring.</i>
<b>EEL 4915L</b>	<b>ECS-ECE</b>	<b>3(0,3)</b>	<b>Senior Design II:</b> PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Emphasis on design, prototyping, cost, functionality, presentation, team effort and final report. <i>Fall, Spring.</i> M&S fee \$15.00
<b>EEL 5173</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Linear Systems Theory:</b> PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. <i>Spring.</i>
<b>EEL 5185</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>System Identification:</b> PR: EEL 4750 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. <i>Odd Spring.</i>
<b>EEL 5245C</b>	<b>ECS-ECE</b>	<b>3(2,1)</b>	<b>Power Electronics:</b> PR: EEE 4309C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cyclo-converters, applications. <i>Fall.</i>
<b>EEL 5272</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Biomedical Sensors:</b> 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. <i>Occasional.</i>
<b>EEL 5432</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>Satellite Remote Sensing:</b> PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements. <i>Occasional.</i>
<b>EEL 5437C</b>	<b>ECS-ECE</b>	<b>4(3,3)</b>	<b>Microwave Engineering:</b> PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. <i>Even Fall.</i> M&S fee \$40.00

## UCF Courses and Descriptions

- EEL 5439C ECS-ECE 3(2,1)**  
**RF and Microwave Communications:** PR: EEL 4436C 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)**  
**Digital Signal Processing Applications:** PR: EEL 4750. The design and practical consideration for implementing Digital Signal Processing Algorithms including Fast Fourier Transform techniques, and some useful applications. *Spring.*
- EEL 5517 ECS-ECE 3(3,0)**  
**Surface Acoustic Wave Devices and Systems:** PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. *Occasional.*
- EEL 5542 ECS-ECE 3(3,0)**  
**Random Processes I:** PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. *Fall, Spring.*
- EEL 5547 ECS-ECE 3(3,0)**  
**Introduction to Radar Systems:** PR: EEL 3552C. Introduction to Pulse and CW Radar Systems. Chirp Radar Systems. Tracking Radar. Noise in Radar Systems. *Spring.*
- EEL 5625 ECS-ECE 3(3,0)**  
**Applied Control Systems:** PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. *Occasional.*
- EEL 5630 ECS-ECE 3(3,0)**  
**Digital Control Systems:** PR: EEL 3657. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. *Fall.*
- EEL 5669 ECS-ECE 3(3,0)**  
**Autonomous Robotic Systems:** PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. *Odd Fall.*
- EEL 5690 ECS-ECE 3(3,0)**  
**Introduction to Medical Robotics and Tele-Operation:** PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. *Occasional.*
- EEL 5704 ECS-ECE 3(3,0)**  
**Computer Aided Logical Design:** PR: EEL 4742C. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. *Occasional.*
- EEL 5722C ECS-ECE 3(3,1)**  
**Field-Programmable Gate Array (FPGA) Design:** PR: EEL 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. *Even Fall.*
- EEL 5771C ECS-ECE 3(2,3)**  
**Engineering Applications of Computer Graphics:** PR: EGN 3420 or C.I. Computer graphics in engineering applications. Laboratory assignments. *Occasional.*
- EEL 5780 ECS-ECE 3(3,0)**  
**Wireless Networks:** PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). *Even Spring.*
- EEL 5820 ECS-ECE 3(3,0)**  
**Image Processing:** PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. *Odd Spring.*
- EEL 5825 ECS-ECE 3(3,0)**  
**Pattern Recognition:** PR: EGN 3420 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the art. *Occasional.*
- EEL 5860 ECS-ECE 3(3,0)**  
**Software Requirements Engineering:** PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process centered framework. Methods for requirements elicitation, analysis, description, and validation. Formal and informal specification. *Occasional.*
- EEL 5874 ECS-ECE 3(3,0)**  
**Expert Systems and Knowledge Engineering:** PR: EEL 4872 or CAP 4630 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. *Spring.*
- EEL 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)**  
**Continuous System Simulation II:** PR: EEL 4890. Introduction to Simulink. Numerical integration including one-step and multi-step methods. Stiff systems and numerical stability. Simulink projects. *Odd Spring.*
- EEL 5936 ECS-ECE 0(1,0)**  
**Current Topics in EECs:** PR: Open to all ECE graduate students. Lectures presented by ECE 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 to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. *Fall.* M&S fee \$60.00
- EES 5318 ECS-CECE 3(3,0)**  
**Industrial Ecology:** PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. *Occasional.*
- EES 5605 ECS-CECE 3(3,0)**  
**Outdoor Noise Control:** PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. *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(2,0)**  
**Enhancing Family Involvement in Education:** Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. *Fall, Spring.*
- EEX 3102 ED-CFCS 3(3,0)**  
**Language Development and Communication Disorders:** PR: Junior standing. Interdisciplinary approach to language development, identification and remediation of communication and language disorders. *Occasional.*
- EEX 3221 ED-CFCS 3(3,0)**  
**Assessment of Exceptional Students:** Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. *Fall, Spring.*
- EEX 3241 ED-CFCS 3(3,0)**  
**Methods for Academic Skills for Exceptional Students:** PR: EEX 2010, EEX 3861. 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:** CR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. *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 3754 ED-CFCS 3(3,0)**  
**Parents as Educators:** Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. *Occasional.*
- EEX 3861 ED-CFCS 6(0,16)**  
**Internship I:** PR: EDG 4323, RED 3012, EEX 2010, EEX 3241. Satisfactory completion of the portfolio. Internship assignment 2 days a week under a certified exceptional education teacher. Half in elementary, half in secondary. Graded S/U. *Occasional.*
- EEX 3942 ED-CFCS 3(3,0)**  
**Internship I Exceptional Education:** PR: EDG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. *Fall, Spring.*
- EEX 4054 ED-CFCS 2(2,0)**  
**Application and Theories for Students with Special Needs:** PR: EEX 2010, EDG 4323. Theories 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 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. *Occasional.*
- EEX 4070 ED-CFCS 3(3,0)**  
**Teaching Exceptional Students:** PR: EDG 4323. Development and practice of effective teaching and management strategies for elementary regular classroom teachers to use in working with mild disabilities. *Fall, Spring.*



## UCF Courses and Descriptions

<b>EEX 4242</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 1007C</b>	<b>ECS-ECS</b>	<b>1(1,2)</b>	<b>EGN 3343</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Teaching Exceptional Students in Secondary Settings:</b> PR: EDF 2085, EDG 4323. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. <i>Fall, Spring.</i>			<b>Engineering Concepts and Methods:</b> 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 the use of teams: engineering communication; engineering professionalism and ethics. <i>Spring.</i>			<b>Thermodynamics:</b> CR: EGN 3321, MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and modes of analysis common to all applications of thermodynamics in engineering. <i>Fall, Spring.</i>		
<b>EEX 4601</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 1036C</b>	<b>ECS-IEMS</b>	<b>2(1,1)</b>	<b>EGN 3343H</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Introduction to Behavior Management:</b> Study of management techniques based on applied behavioral analysis principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. <i>Fall, Spring.</i>			<b>Foundations of Leadership:</b> PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. <i>Fall, Spring.</i>			<b>Thermodynamics Honors:</b> PR: Honors status; CR: EGN 3321 or EGN 3321H, & MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. <i>Spring.</i>		
<b>EEX 4751</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 1050C</b>	<b>ECS-ECS</b>	<b>3(2,2)</b>	<b>EGN 3358</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Parent Involvement in Education:</b> This course prepares students to successfully interact with and involve parents in their child's education. <i>Occasional.</i>			<b>The Digital Universe:</b> PR: High School Algebra or Trigonometry. Science, math, engineering, and technology fundamentals of the information technology. Historical significance of the advances in digital technology. Real world applications. Hands-on laboratories using digital signal processor kits. <i>Occasional.</i>			<b>Thermo-Fluids-Heat Transfer:</b> PR: EGN 3310, MAP 2302. Introduction to first and second laws of thermodynamics, continuum fluid mechanics, and heat transfer for electrical, industrial, and computer engineering majors. <i>Fall, Spring.</i>		
<b>EEX 4753</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 1360</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EGN 3365</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Parent/professional Collaboration:</b> The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. <i>Fall.</i>			<b>Materials in Today's World:</b> A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials. <i>Occasional.</i>			<b>Structure and Properties of Materials:</b> PR: CHS 1440 and MAC 2312. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. <i>Fall, Spring.</i>		
<b>EEX 4757</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 2815C</b>	<b>ECS-MMAE</b>	<b>3(2,3)</b>	<b>EGN 3373</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>
<b>Respite Care:</b> PR: Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. <i>Fall, Spring.</i>			<b>Space Science and Technology: Past, Present, and Future:</b> Introduction to space technology, past, present and future. Applications to modern life. <i>Occasional.</i>			<b>Principles of Electrical Engineering:</b> PR: PHY 2049C; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. <i>Fall, Spring.</i>		
<b>EEX 4763</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 2920C</b>	<b>ECS-IEMS</b>	<b>2(1,1)</b>	<b>EGN 3373H</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>
<b>Technology for Classroom Teachers of Students with Special Needs:</b> PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. <i>Fall, Spring.</i>			<b>LEAD Colloquium:</b> PR: C.I., LEAD Scholars Program, Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1036C, EDG 1005C or HSC 1931C. Provides experiential leadership experience in an appropriate leadership setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. <i>Occasional.</i>			<b>Principles of Electrical Engineering Honors:</b> PR: Permission of Honors and PHY 2049C, CR: MAP 2302. Fundamentals of electrical circuits and analysis. Fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. <i>Spring.</i>		
<b>EEX 4943</b>	<b>ED-CFCS</b>	<b>12(0,35)</b>	<b>EGN 3060C</b>	<b>ECS-ECS</b>	<b>3(2,3)</b>	<b>EGN 3420</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>
<b>Internship II:</b> 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. <i>Occasional.</i>			<b>Introduction to Robotics:</b> PR: Engineering majors take COP 3223 and STA 3032; Computer Science majors take COP 3330 and COP 3503C. Theory of perception, planning, and control. Implemented software for a complete robotic system. <i>Fall.</i>			<b>Engineering Analysis:</b> PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. <i>Fall, Spring.</i>		
<b>EEX 5051</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 3211</b>	<b>ECS-ECE</b>	<b>3(3,0)</b>	<b>EGN 3613</b>	<b>ECS-IEMS</b>	<b>2(2,0)</b>
<b>Exceptional Children in the Schools:</b> PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. <i>Fall.</i>			<b>Engineering Analysis and Computation:</b> PR: MAC 2311. Engineering analysis and computation with structured constructs. Subscripted variables, subprograms, input/output. Batch processing and time sharing. Engineering applications will be emphasized. <i>Fall, Spring.</i>			<b>Engineering Economic Analysis:</b> PR: (MAC 2311). Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. <i>Fall, Spring.</i>		
<b>EEX 5702</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 3310</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>EGN 3843</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>
<b>Planning Curriculum for Pre-Kindergarten Children with Disabilities:</b> Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. <i>Spring.</i>			<b>Engineering Analysis-Statics:</b> PR: MAC 2311, PHY 2048C both with a grade of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. <i>Fall, Spring.</i>			<b>Systems Modeling:</b> PR: CGS 1060C or equivalent. Representation of man/machine systems through analytic and computer-based models. Case studies in the analysis and improvement of systems in industry, education, and government. <i>Occasional.</i>		
<b>EEX 5750</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EGN 3310H</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>EGN 3935</b>	<b>ECS-ECS</b>	<b>0(2,0)</b>
<b>Communication with Parents and Agencies:</b> Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. <i>Occasional.</i>			<b>Engineering Analysis-Statics (Honors):</b> PR: Permission of Honors and MAC 2311, PHY 2048C both with grades of "C" (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. <i>Fall, Spring.</i>			<b>Leadership in Engineering I:</b> PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. <i>Fall.</i>		
<b>EGM 3601</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EGN 3321</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EGN 3936</b>	<b>ECS-ECS</b>	<b>0(2,0)</b>
<b>Solid Mechanics:</b> PR: EGN 3310 and "C" (2.0) or better in the following MAC 2311, MAC 2312, MAC 2313 and 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. <i>Fall, Spring.</i>			<b>Engineering Analysis-Dynamics:</b> PR: EGN 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. <i>Fall, Spring.</i>			<b>Leadership in Engineering II:</b> PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. <i>Spring.</i>		
<b>EGM 3601L</b>	<b>ECS-MMAE</b>	<b>2(0,3)</b>	<b>EGN 3321H</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EGN 4412C</b>	<b>ECS-MMAE</b>	<b>3(1,5)</b>
<b>Solid Mechanics Lab:</b> PR: EGM 3601. Solid Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. <i>Fall, Spring.</i> M&S fee \$45.00			<b>Engineering Analysis - Dynamics Honors:</b> 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. <i>Occasional.</i>			<b>Interdisciplinary Design I:</b> PR: Industrial: EIN 4364C; Comp and Elect: EEE 3307C, EEL 3657, EEL 3552C, EEL 3801C; Aero: EAS 3810C, CR: EML 4312C, EAS 4404C; Comp Sci: COT 3960, COP 3503C; Mech: EML 3500, EML 3701, EML 3303C, CR: EML 4312C, EML 4804C. Application of the design process for interdisciplinary students to solve state-of-the-art engineering problems by system analysis, design, integration, manufacture and testing methods. <i>Fall.</i>		
<b>EGN 1006C</b>	<b>ECS-ECS</b>	<b>1(1,2)</b>	<b>EGN 3331</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>EGN 4413C</b>	<b>ECS-MMAE</b>	<b>3(1,5)</b>
<b>Introduction to the Engineering Profession:</b> PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. <i>Fall.</i>			<b>Mechanics of Materials:</b> PR: EGN 3310 with a grade of "C" or better; CR: MAP 2302. Concepts of stress, strain, strength, deflection of axial force members, shafts in torsion, beams in flexure, combined stress, stability of columns, and design of simple elements. <i>Fall, Spring.</i>			<b>Interdisciplinary Design II:</b> PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. <i>Spring.</i>		

## UCF Courses and Descriptions

**EGN 4624 ECS-IEMS 3(3,0)**  
**Engineering Administration:** PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. *Fall, Spring.*

**EGN 4641C ECS-ECS 3(2,2)**  
**Engineering Entrepreneurship:** PR: Senior standing, GEB 4152, or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. *Occasional.*

**EGN 4706C ECS-MMAE 3(2,4)**  
**Small Satellite Payloads and Integration:** PR: EML 3303C OR EAS 3800C OR EEL 3801C OR ESI 4523C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. *Occasional.* M&S fee \$45.00

**EGN 4707C ECS-MMAE 3(2,4)**  
**Processing Space-Launch Systems:** PR: For ECE: EEL 3552C 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.*

**EGN 4824 ECS-ECS 3(3,0)**  
**Energy and Society:** Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. *Occasional.*

**EGN 4921C ECS-ECS 2(2,1)**  
**Interdisciplinary Research and Development I:** PR: Junior standing in Engineering or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&D, dissemination of findings. Seminar presentations by guest research lecturers. *Occasional.*

**EGN 4922C ECS-ECS 2(1,1)**  
**Interdisciplinary Research and Development II:** PR: EGN 4921C. Continuation of EGN 4921C. *Occasional.*

**EGN 4931H ECS-ECS 3(3,0)**  
**Engineering Honors Seminar:** PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. *Occasional.*

**EGN 4933C ECS-ECS 1(1,1)**  
**Professional Practice I:** PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, lifelong learning, and ethical responsibilities. Community service and/or community outreach projects required. *Occasional.*

**EGN 4934C ECS-ECS 2(1,2)**  
**Professional Practice II:** PR: EGN 4933C. Continuation of EGN 4933C. *Occasional.*

**EGN 5035 ECS-ECS 3(3,0)**  
**Topics in Technological Development:** PR: C.I. Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. *Occasional.*

**EGN 5720 ECS-IEMS 3(2,3)**  
**Internal Combustion Engine Analysis and Optimization:** PR: EGN 3343 or EGN 3358 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. *Even Fall, Even Spring.* M&S fee \$45.00

**EGN 5840 ECS-MMAE 3(3,0)**  
**Small Rocket Applications for Teachers:** PR: Admission to Lockheed Martin UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. *Occasional.*

**EGN 5855C ECS-IEMS 3(2,2)**  
**Metrology:** PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. *Occasional.*

**EGN 5858C ECS-IEMS 3(2,1)**  
**Prototyping and Product Realization:** PR: Basic knowledge and/or experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications and practice of rapid prototyping and reverse engineering technologies. *Spring.* M&S fee \$50.00

**EIN 3001 ECS-IEMS 3(3,0)**  
**Introduction to Industrial Engineering and Management Systems:** PR: MAC 2311 and Sophomore standing or C.I. Issues important to the operation of an industrial or service facility. *Fall.*

**EIN 3314 ECS-IEMS 3(3,0)**  
**Work Analysis and Design:** PR: STA 3032 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. *Fall.*

**EIN 3354 ECS-IEMS 3(3,0)**  
**Principles of Cost Engineering:** PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. *Fall.*

**EIN 4191C ECS-IEMS 2(2,2)**  
**Engineering Leadership Seminar I:** PR: Junior or 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.*

**EIN 4192C ECS-IEMS 2(2,2)**  
**Engineering Leadership Seminar II:** PR: EIN 4191C. Continuation of EIN 4191C. *Spring.*

**EIN 4214 ECS-IEMS 3(3,0)**  
**Safety Engineering and Administration:** 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.*

**EIN 4243C ECS-IEMS 3(2,2)**  
**Human Engineering:** PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. *Spring.*

**EIN 4333 ECS-IEMS 3(3,0)**  
**Production and Distribution Systems:** PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. *Spring.*

**EIN 4364 ECS-IEMS 3(3,0)**  
**Facilities Planning:** PR: EIN 3314, EIN 3354, ESI 4628C; CR: EIN 4333, EIN 4391 or C.I. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. *Spring.* M&S fee \$20.00

**EIN 4391 ECS-IEMS 3(3,0)**  
**Manufacturing Engineering:** PR: CHM 2045C or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. *Fall, Spring.*

**EIN 4450 ECS-IEMS 3(3,0)**  
**Principles of Concurrent Engineering:** PR: EGN 3613 or C.I. Elements of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. *Even Spring.*

**EIN 4516C ECS-IEMS 3(2,2)**  
**Systems Analysis and Design:** PR: ESI 4523C, EIN 4364 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. *Fall.*

**EIN 4517 ECS-IEMS 3(3,0)**  
**Systems Engineering:** PR: STA 3032 or C.I. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. *Fall.*

**EIN 4545 ECS-IEMS 3(3,0)**  
**Industrial Engineering Applications in The Service Industries:** PR: EIN 3314, ESI 4312; 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.*

**EIN 4621C ECS-IEMS 3(2,2)**  
**Computer-Aided-Manufacturing:** PR: EIN 4391C. Computer-Aided-Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). *Occasional.*

**EIN 4891C ECS-IEMS 3(2,3)**  
**Industrial Engineering Senior Design Project:** PR: EIN 4516C, Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. *Spring.*

**EIN 5108 ECS-IEMS 3(3,0)**  
**The Environment of Technical Organizations:** PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. *Fall.*

**EIN 5117 ECS-IEMS 3(3,0)**  
**Management Information Systems I:** PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. *Spring.*

**EIN 5140 ECS-IEMS 3(3,0)**  
**Project Engineering:** PR: Graduate standing 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.*

**EIN 5248C ECS-IEMS 3(2,2)**  
**Ergonomics:** PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipments, and workstations. *Fall.*

**EIN 5251 ECS-IEMS 3(3,0)**  
**Usability Engineering:** PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. *Occasional.*

**EIN 5255C ECS-IEMS 3(2,2)**  
**Interactive Simulation:** PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. *Fall, Spring.*

**EIN 5317 ECS-IEMS 3(3,0)**  
**Training System Design:** PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. *Fall.*

**EIN 5346 ECS-IEMS 3(3,0)**  
**Engineering Logistics:** Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. *Occasional.*

**EIN 5356 ECS-IEMS 3(3,0)**  
**Cost Engineering:** Cost estimation and control of engineering systems throughout the product life cycle. *Spring.*



## UCF Courses and Descriptions

<b>EIN 5368C</b>	<b>ECS-IEMS</b>	<b>3(2,2)</b>	<b>EMA 3691</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5108</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Integrated Factory Automation Systems:</b> PR: EIN 4391C or C.I. Automated material handling systems, industrial robots, automated guided vehicles, automated storage and retrieval systems, economics, justification. <i>Odd Fall.</i>			<b>Nanomaterials Process Engineering:</b> PR: CHS 1440 or CHM 2045C, and PHY 2048 or PHY 2053C and EGN 3365. Nanomaterials, processing, nanomachining, nanocompositions, nanocomposites and computations of devices. <i>Occasional.</i>			<b>Surface Science:</b> PR: PHY 2049C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. <i>Occasional.</i>		
<b>EIN 5388</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>	<b>EMA 3706</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5140</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Forecasting:</b> PR: ESI 5219. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. <i>Occasional.</i>			<b>Structure and Properties of Aerospace Materials:</b> PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. <i>Fall.</i>			<b>Introduction to Ceramic Materials:</b> PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. <i>Occasional.</i>		
<b>EIN 5392C</b>	<b>ECS-IEMS</b>	<b>3(2,2)</b>	<b>EMA 4102</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5317</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Manufacturing Systems Engineering:</b> PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. <i>Even Spring.</i> M&S fee \$20.00			<b>Thermodynamics and Kinetics of Materials:</b> PR: EGN 3343, EGN 3365 or EMA 3706; and a °C° (2,0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. <i>Fall.</i>			<b>Materials Kinetics:</b> PR: C.I. Mass and thermal transport, phase transformations and Arrhenius rate processes. <i>Occasional.</i>		
<b>EIN 5607C</b>	<b>ECS-IEMS</b>	<b>3(2,2)</b>	<b>EMA 4223</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5326</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Computer Control of Manufacturing Systems:</b> PR: EIN 4391C, and EIN 4621C or EML 4535C; or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. <i>Odd Spring.</i> M&S fee \$45.00			<b>Fundamentals of Mechanical Behavior of Materials:</b> PR: EGM 3601, and EGN 3365 or EMA 3706. Elementary treatment of elasticity, plasticity, viscoelasticity, creep, fracture, and fatigue. <i>Spring.</i>			<b>Corrosion Science and Engineering:</b> PR: EGN 3365. Electrochemical principles and applications to detecting and monitoring corrosion processes. Various forms of corrosion, their causes and control. Techniques of corrosion protection. <i>Occasional.</i>		
<b>EIN 5936</b>	<b>ECS-IEMS</b>	<b>1(1,0)</b>	<b>EMA 4413</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5415</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Seminar in Industrial Engineering: Doctoral Research:</b> PR: C.I. Essential topics for doctoral research including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. <i>Fall.</i>			<b>Fundamentals of Electronic Materials:</b> PR: EGN 3365. Electronic processes in solids. Electrical, magnetic, and optical properties of solids. Electron energies in solids. Superconducting materials. <i>Spring.</i>			<b>Electronic Principles of Materials Properties:</b> PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. <i>Fall.</i>		
<b>ELD 4011</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EMA 4501</b>	<b>ECS-MMAE</b>	<b>3(2,2)</b>	<b>EMA 5504</b>	<b>ECS-MMAE</b>	<b>3(2,2)</b>
<b>Intro to Specific Learning Disabilities:</b> Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. <i>Occasional.</i>			<b>Scanning Electron Microscopy:</b> PR: EGN 3365 or C.I. A review of electron optics, beam/specimen interactions, image formation, x-ray analysis, specimen preparation, microelectronic applications, and crystallography in the SEM. <i>Occasional.</i>			<b>Modern Characterization of Materials:</b> 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. <i>Occasional.</i>		
<b>ELD 4241</b>	<b>ED-CFCS</b>	<b>4(4,0)</b>	<b>EMA 4503</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5505</b>	<b>ECS-MMAE</b>	<b>3(2,2)</b>
<b>Introduction and Program Planning for Specific Learning Disabilities:</b> PR: EEX 2010. Theories and historical foundations of specific learning disabilities and the development of highly specialized techniques and curriculum materials. <i>Occasional.</i>			<b>Materials Characterization Techniques:</b> PR: EMA 3012C, and EGN 3365 or EMA 3706. Theory and practice of commonly used techniques for characterization of crystal structure, microstructure and chemistry. <i>Occasional.</i>			<b>Scanning Electron Microscopy:</b> 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. <i>Occasional.</i>		
<b>ELD 4242</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>EMA 4506</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5517</b>	<b>ECS-MMAE</b>	<b>3(2,2)</b>
<b>Program Planning for Specific Learning Disabilities:</b> PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. <i>Occasional.</i>			<b>Emerging Materials:</b> PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials. <i>Occasional.</i>			<b>Advanced Materials Characterization by Ion Beam Analysis:</b> PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometric. May be repeated for credit. <i>Occasional.</i>		
<b>EMA 1002</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 4606</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5584</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Materials in Today's World:</b> A survey of the properties, manufacture, and uses of metals, ceramics, and polymers in today's world with emphasis on modern developments and new materials. <i>Occasional.</i>			<b>Transport Phenomena in Materials Processing:</b> PR: EGN 3365, EGN 3343 or EGN 3358. Conservation equations, fluid flow, heat transfer, free and moving boundaries, solidification, single-phase and multi-phase materials, alloys, solute rejection, microstructure, macrosegregation. <i>Occasional.</i>			<b>Biomaterials:</b> PR: EGN 3365. Properties of natural biological materials and their relation to microstructure, biocompatibility, specific applications in orthopedic, cardiovascular, visual, neural, and reconstruction implants. <i>Even Spring.</i>		
<b>EMA 3000</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 4701C</b>	<b>ECS-MMAE</b>	<b>3(2,4)</b>	<b>EMA 5585</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Engineering Polymeric, Ceramic, and Composite Materials:</b> PR: EGN 3365. Structure, properties, processing of engineering polymeric, ceramic, and composite materials. <i>Occasional.</i>			<b>Materials Performance in Space Applications:</b> PR: EGN 3365. Laboratory failure analysis of materials within space-related environments. <i>Occasional.</i>			<b>Materials Science of Thin Films:</b> PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. <i>Odd Fall.</i>		
<b>EMA 3012C</b>	<b>ECS-MMAE</b>	<b>3(2,2)</b>	<b>EMA 5060</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5586</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Experimental Techniques in Mechanics and Materials:</b> PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). <i>Fall, Spring.</i> M&S fee \$45.00			<b>Polymer Science and Engineering:</b> PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. <i>Occasional.</i>			<b>Photovoltaic Solar Energy Materials:</b> PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AMDS-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. <i>Occasional.</i>		
<b>EMA 3014</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5104</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5587C</b>	<b>ECS-MMAE</b>	<b>3(2,2)</b>
<b>Nanomaterials Characterization and Applications:</b> PR: EMA 3691. Microstructural and mechanical characterization of nanostructures, nano-coatings, corrosion, magnetics, quantum dots for solar cells, materials for hydrogen economy, laboratory on material characterization. <i>Occasional.</i>			<b>Intermediate Structure and Properties of Materials:</b> PR: EGN 3365. Fundamentals of dislocation theory, metallurgical thermodynamics and diffusion. Phase transformations, strengthening mechanisms and fracture. Introduction to engineering polymers, ceramics, and composites. <i>Fall.</i>			<b>Characterization and Reliability of PV Cells:</b> PR: EGN 3365. Photovoltaic characterization of solar cells, dark and light I-V, C-V, and quantum efficiency, physics of failure of microelectronic devices, solder bonds, encapsulation, PV module reliability. <i>Occasional.</i>		
<b>EMA 3124</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5106</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>	<b>EMA 5588</b>	<b>ECS-MMAE</b>	<b>3(3,0)</b>
<b>Design and Selection of Materials:</b> PR: EGM 3601, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. <i>Fall.</i>			<b>Metallurgical Thermodynamics:</b> PR: EGN 3365. Laws of thermodynamics, phase equilibria, reactions between condensed and gaseous phases, reaction equilibria in condensed solution and phase diagrams. <i>Occasional.</i>			<b>Biocompatibility of Materials:</b> PR: EGN 3365 or C.I. Biocompatibility and bioactivity: cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. <i>Occasional.</i>		



## UCF Courses and Descriptions

**EMA 5610 ECS-MMAE 3(3,0)**  
**Laser Materials Processing:** PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics; laser-material interactions; laser healing, melting, vaporization. Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. *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 bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using and integrating technology in K-12 to improve the teaching and learning process. *Fall, Spring.*

**EME 5051 ED-TL&L 3(3,0)**  
**Technologies of Instruction and Information Management:** PR: Acceptance into Ed Media program or C.I. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. *Fall.*

**EME 5053 ED-TL&L 3(3,0)**  
**Electronic Resources for Education:** PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. *Fall.*

**EME 5208 ED-TL&L 3(3,0)**  
**Production Techniques for Instructional Settings:** PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional and communication theories. *Spring.*

**EME 5225 ED-TL&L 3(3,0)**  
**Media for Children and Young Adults:** PR: Acceptance into Ed Media Program or C.I. Survey of materials for children's and young adults' informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. *Spring.*

**EME 5810 ED-TL&L 1(1,0)**  
**Teaching and Learning with Technology:** Overview of technologies for teaching and for learning. Practical strategies for using technology in the classroom. May be used in the degree program a maximum of 4 times. *Occasional.*

**EML 3001C ECS-MMAE 1(1,2)**  
**Machine Shop Practice:** PR: Sophomore Standing or C.I. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. *Occasional.*

**EML 3034C ECS-MMAE 3(3,1)**  
**Modeling Methods in Mechanical and Aerospace Engineering:** PR: "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. CR: EGN 3321 and EAS 3990 or EML 3990. Computer aided modeling of mechanical and aerospace systems. Solution methods. Curve fitting. Numerical calculus and solution of differential equations with applications to mechanical and aerospace engineering. *Fall, Spring.*

**EML 3101 ECS-MMAE 3(3,0)**  
**Thermodynamics of Mechanical Systems:** PR: EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. *Fall.*

**EML 3262 ECS-MMAE 3(3,0)**  
**Kinematics of Mechanisms:** PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. *Fall.*

**EML 3303C ECS-MMAE 3(2,3)**  
**Mechanical Engineering Measurements:** PR: EGN 3343, CR: EGM 3601. Theory, calibration and use of instruments. Measurement techniques, data analysis, report writing. Laboratory topics related to mechanical engineering. *Fall.* M&S fee \$15.00

**EML 3500 ECS-MMAE 3(3,0)**  
**Machine Design and Analysis:** PR: EGM 3601. Application of the principles of mechanics of materials to the design of mechanical elements. *Spring.*

**EML 3701 ECS-MMAE 3(3,0)**  
**Fluid Mechanics I:** PR: EGN 3321, EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Principles of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. *Fall, Spring.*

**EML 3990 ECS-MMAE 0(0,0)**  
**Mechanical Career and Academic Faculty Advising I:** PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring.*

**EML 4005 ECS-MMAE 3(3,0)**  
**Design in Nature and Engineering:** PR: EGN 3343 and EGM 3601. Design for function and invention, in both engineering and nature: economy, form, beauty, energy, mechanism, structure, evolution in nature. *Occasional.*

**EML 4024C ECS-MMAE 3(2,2)**  
**Engineering Design Practice:** PR: EML 3034C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. *Fall, Spring.*

**EML 4142 ECS-MMAE 3(3,0)**  
**Heat Transfer:** PR: EML 3701 and EML 3034C. Conduction, radiation, and convection heat transfer. Basic energy balances emphasized. Steady state and transient problems, analysis and design of simple heat exchangers. *Fall, Spring.*

**EML 4145 ECS-MMAE 2(2,0)**  
**Topics in Heat Transfer:** PR: EML 3701, EML 3034C; CR: EML 4142. Boiling and condensation heat transfer. Radiation heat transfer in enclosures without and with participating media. Multi-mode heat transfer. *Spring.*

**EML 4220 ECS-MMAE 3(3,0)**  
**Vibration Analysis:** PR: EGN 3321, EGM 3601 and EML 3034C. Undamped and damped vibration of single degree freedom systems. Forced vibration. Transient response. Multiple degree of freedom systems. Normal modes. *Spring.*

**EML 4221C ECS-MMAE 2(1,2)**  
**Mechanical 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, analysis and interpreting engineering data. *Fall, Spring.* M&S fee \$35.00

**EML 4260 ECS-MMAE 3(3,0)**  
**Dynamics of Machinery:** PR: EML 3262 and EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. *Occasional.*

**EML 4264 ECS-MMAE 3(3,0)**  
**Vehicle Dynamics:** PR: EML 3262 and EML 4220. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. *Occasional.*

**EML 4293 ECS-MMAE 3(3,0)**  
**Essentials of Miniature Engineering Systems:** PR: Graduate status or C.I. Engineering of miniature mechanical, thermal, energy, and electrical systems, including advantages, microfabrication methods, and future trends. *Occasional.*

**EML 4304C ECS-MMAE 2(1,3)**  
**Design of Thermo-Fluid Experiment:** PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. *Spring.* M&S fee \$45.00

**EML 4312C ECS-MMAE 3(2,3)**  
**Feedback Control:** PR: EGN 3321, MAP 2302, EGN 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. *Fall.*

**EML 4411 ECS-MMAE 3(3,0)**  
**Mechanical Power Systems:** PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels. *Occasional.*

**EML 4454 ECS-MMAE 3(3,0)**  
**Turbines for Sustainable Power:** PR: EGM 3601, EGN 3365 or EMA 3706, EML 3701 or EAS 3101, EML 4142; CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. *Occasional.*

**EML 4501C ECS-MMAE 3(1,6)**  
**Engineering Design I:** PR: EML 3500, EML 3701 and EML 3303C, CR: EML 4312C, EML 4991. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. *Fall, Spring.*

**EML 4502C ECS-MMAE 3(1,6)**  
**Engineering Design II:** PR: EML 4501C, EML 4991. Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed. *Fall, Spring.* M&S fee \$60.00

**EML 4535C ECS-MMAE 3(2,3)**  
**CAD/CAM:** PR: EGN 3343, EML 3034C, and EGM 3601; CR: EAS 4200 or EML 3500. CAD/CAM/FEM computational technology. Basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. *Fall, Spring.*

**EML 4600 ECS-MMAE 3(3,0)**  
**HVAC Systems Engineering:** PR: EGN 3343; CR: EML 3701, EML 3101. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. *Fall.*

**EML 4602 ECS-MMAE 3(3,0)**  
**Applied HVAC Engineering:** PR: EML 4600, CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building. *Spring.*

## UCF Courses and Descriptions

**EML 4703 ECS-MMAE 3(3,0)**  
**Fluid Mechanics II:** PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. *Fall*.

**EML 4804C ECS-MMAE 3(2,3)**  
**Digital Control in Mechatronics:** PR: EML 4312C and EML 3303C. Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. *Spring*. M&S fee \$15.00

**EML 4991 ECS-MMAE 0(0,0)**  
**Mechanical Career and Academic Faculty Advising II:** PR: EML 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. *Fall, Spring*.

**EML 5026C ECS-MMAE 3(2,2)**  
**Advanced Engineering Design Practice:** PR: EGM 3601; CR: (EML 3500 or EAS 4200) and (EML 4220 or EAS 4210). Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project oriented environment. Construct part models, drawings, and assemblies. Use of in-house software. *Fall, Spring*.

**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 ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics. *Fall*.

**EML 5066 ECS-MMAE 3(3,0)**  
**Computational Methods in Mechanical, Materials and Aerospace Engineering:** PR: EML 3034C. Error Norms, interpolation and extrapolation, quadratures and adaptive quadratures, solutions of linear and nonlinear systems of equations, functional approximation, solution of ODE's and MVR. *Occasional*.

**EML 5105 ECS-MMAE 3(3,0)**  
**Gas Kinetics and Statistical Thermodynamics:** PR: EAS 4134 or EML 4703. Molecular and statistical viewpoint of gases and thermodynamics; Boltzmann collision integral, partition functions, non-equilibrium flows. Applications in thermo-fluid systems. *Occasional*.

**EML 5131 ECS-MMAE 3(3,0)**  
**Combustion Phenomena:** PR: EML 4703, EML 3101. Physical and chemical aspects of combustion phenomena. Rate processes, chemical kinetics, structure, propagation and stability of premixed and diffusion flames. *Occasional*.

**EML 5152 ECS-MMAE 3(3,0)**  
**Intermediate Heat Transfer:** PR: EML 4142, EML 5060. An intermediate-level course dealing with heat and mass diffusion, boundary layer problems, and radiation from real bodies. Emphasis on combined modes, numerical methods. *Occasional*.

**EML 5211 ECS-MMAE 3(3,0)**  
**Continuum Mechanics:** PR: EML 3500 or EML 4703 or EAS 4200 or C.I. Introduction to tensors; deformation and strain; stress; balance laws, applications in Newtonian fluid dynamics and isotropic linear elasticity. *Fall*.

**EML 5224 ECS-MMAE 3(3,0)**  
**Acoustics:** PR: EML 4220. CR: EML 5060. Elements of vibration theory and wave motion; radiation, reflection, absorption, and transmission of acoustic waves; architectural acoustics; control and abatement of environmental noise pollution; transducers. *Occasional*.

**EML 5228C ECS-MMAE 3(3,0)**  
**Modal Analysis:** PR: EML 3303C, EML 4220, and EML 5060. Theoretical basis. Measurement techniques, excitation, transducers, data acquisition. Detailed data analysis, modal parameter extraction, curve-fitting procedures. Modeling. *Occasional*.

**EML 5237 ECS-MMAE 3(3,0)**  
**Intermediate Mechanics of Materials:** PR: EML 3500, EML 5060. Elements of elasticity. Failure theories. Bending and torsion. Thin plates. Energy principles. Thick-walled cylinders. Applications to design. *Occasional*.

**EML 5245 ECS-MMAE 3(3,0)**  
**Tribology:** PR: EGN 3365, EGN 3331 and EML 3701. Principles of fluid film lubrication (liquid and gas, journal and thrust bearings), contact mechanics (rolling element bearings), design of bearings and load bearing surfaces, friction and wear of materials, tribotesting. *Occasional*.

**EML 5271 ECS-MMAE 3(3,0)**  
**Intermediate Dynamics:** PR: EML 3321. Dynamics of particles, rigid bodies, and distributed mass systems. Hamilton's principle. Lagrange's equations. Numerical methods. Mechanisms. *Occasional*.

**EML 5290 ECS-MMAE 3(3,0)**  
**Introduction to MEMS and Micromachining:** PR: Graduate standing or C.I. Introduction of Micro-Electro-Mechanical-Systems (MEMS) and micromachining (micro-fabrication) methods. Etching and etching mask. Basics of silicon macromachining processing. Fundamentals of bulk micromachining. Thin film formation and surface micromachining. Microplating and LIGA process. Nonlithographic micromachining process including laser. May be repeated for credit. *Odd Fall*.

**EML 5291 ECS-MMAE 3(3,0)**  
**MEMS Materials:** PR: EML 5060, EML 5211, 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 5211, or C.I. Introduction to meso-, micro-, and nano-scales, and related terminology, constitutive relationships at these scales and how these relationships affect the behavior and performance of systems. Effect of miniaturization on a few common engineering systems. *Odd Fall*.

**EML 5311 ECS-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 5403C ECS-MMAE 3(3,1)**  
**Science and Technology of Fuel Cells:** PR: EGN 3365, EMA 4102 or C.I. Fundamental knowledge along with hands-on experience with design, manufacturing and operation of fuel cells. *Occasional*. M&S fee \$45.00

**EML 5456 ECS-MMAE 3(3,0)**  
**Turbines for Sustainable Power:** PR: EGM 3601, (EGN 3365 or EMA 3706), (EML 3701 or EAS 3101); CR: (EML 4220 or EAS 4210), EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of convention and green technology. *Fall*.

**EML 5532C ECS-MMAE 3(2,3)**  
**Computer-Aided Design for Manufacture:** PR: EGN 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. *Even Fall, Spring*. M&S fee \$15.00

**EML 5546 ECS-MMAE 3(3,0)**  
**Engineering Design with Composite Materials:** PR: EML 5237. Mechanics of structural components of composite materials under static, thermal, vibratory loads. Instability. Lamina and laminate theory, energy methods, failure theories, and structural joining methods. *Occasional*.

**EML 5572 ECS-MMAE 3(3,0)**  
**Probabilistic Methods in Mechanical Design:** PR: EML 3500, STA 3032. Uncertainty modeling in design. Use of probabilistic mathematics to assess strength, stiffness, toughness, and stability. Applications. *Occasional*.

**EML 5587C ECS-MMAE 3(2,3)**  
**Mechanics of Biostructures I:** PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. *Occasional*.

**EML 5588C ECS-MMAE 3(2,3)**  
**Mechanics of Biostructures II:** PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostructures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. *Occasional*.

**EML 5605 ECS-MMAE 3(3,0)**  
**Applied HVAC Engineering:** PR: EML 5606; CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. *Spring*.

**EML 5606 ECS-MMAE 3(3,0)**  
**HVAC Systems Engineering:** PR: EGN 3343; CR: (EML 3701 or EAS 3101), and EML 3101. Heating, ventilation, air conditioning and refrigeration principles, system design and analysis. *Fall*.

**EML 5713 ECS-MMAE 3(3,0)**  
**Intermediate Fluid Mechanics:** PR: EML 4703. CR: EML 5060. Fluid kinematics; conservation equations; Navier-Stokes equations; boundary layer flow, inviscid flow, circulation and vorticity; low Reynolds number flow; turbulence. *Occasional*.

**EML 5760 ECS-MMAE 3(3,0)**  
**Biofluid Mechanics:** PR: MAP 2302, EML 3701, EML 4703. Analysis of biomedical and bioengineering systems using principles of transport phenomena. Governing equations of fluid flow, circulatory systems blood flow, macro and microcirculation, and blood rheology. *Occasional*.

**EML 5936 ECS-MMAE 1(1,0)**  
**Mechanical, Materials, and Aerospace Engineering Graduate Seminar:** MMAE graduate student seminar. Graded S/U. *Occasional*.

**EMR 4011 ED-CFCS 3(3,0)**  
**Intro to Mental Retardation:** Nature and needs of mentally handicapped students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. *Occasional*.

**EMR 4362 ED-CFCS 4(4,0)**  
**Teaching Students with Mental Handicaps:** PR: EEX 2010. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. *Occasional*.

**EMR 4372 ED-CFCS 3(3,0)**  
**Curriculum Method and Materials for Retarded Persons:** PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. *Occasional*.

**ENC 1101 CAH-WRITE 3(3,0)**  
**Composition I:** Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. *Fall, Spring*.

**ENC 1101H CAH-WRITE 3(3,0)**  
**Honors Freshman Composition I:** PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. *Fall, Spring*.

**ENC 1102 CAH-WRITE 3(3,0)**  
**Composition II:** PR: ENC 1101 with a grade of "C-" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. *Fall, Spring*.

## UCF Courses and Descriptions

- ENC 1102H CAH-WRITE 3(3,0)**  
**Honors Freshman Composition II:** PR: ENC 1101H with a grade of "C-" or better or 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 2210 CAH-ENG 3(3,0)**  
**Writing for the Business Professional:** PR: ENC 1102, Junior standing or C.I. Emphasis on clear expository writing of memoranda, reports, and articles in the student's declared field of business. *Occasional.*
- ENC 2411C CAH-ENG 3(2,1)**  
**Digital Literacy for the Liberal Arts:** Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. *Occasional.*
- ENC 3211 CAH-ENG 3(3,0)**  
**Theory and Practice of Technical Writing:** PR: Grade of C (2.0) or better required in ENC 1102, junior standing, or C.I. Exploring definitions and theoretical foundations in technical writing field, and the roles of writers in industry. *Fall, Spring.*
- ENC 3211H CAH-ENG 3(3,0)**  
**Honors Theory and Practice of Technical Writing:** PR: Grade of C (2.0) or better in ENC 1102H 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 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, 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.*
- ENC 3310 CAH-ENG 3(3,0)**  
**Magazine Writing I:** PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. *Fall, Spring.*
- ENC 3311 CAH-ENG 3(3,0)**  
**Advanced Expository Writing:** PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. *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 3331 CAH-WRITE 3(3,0)**  
**Rhetoric and Civic Engagement:** PR: Grade of "C" (2.0) or better required in ENC 1102. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. *Fall, Spring.*
- ENC 3331H 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. With Honors Content. *Even Spring.*
- ENC 3351 CAH-WRITE 3(3,0)**  
**Writing for Publication:** PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genre, and the rhetorical skills needed to design and produce articles for specific audiences and publications. *Occasional.*
- ENC 3372 CAH-WRITE 3(3,0)**  
**Topics in Rhetoric and Writing Histories and Theories:** PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of a specific rhetoric and writing historical period, theoretical movement, or methodology. *Occasional.*
- ENC 3373 CAH-WRITE 3(3,0)**  
**Alternative Rhetorics:** PR: Grade of "C" (2.0) or better required in ENC 1102. Surveys approaches to rhetoric that fall outside the traditional Western tradition, emphasis on indigenous as well racially and socially marginalized approaches. *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)**  
**Medical Writing:** PR: Grade of "C" (2.0) or better required in ENC 1102. Preference will be given to students whose major requires this course. Training in writing practices and genres in the health professions. *Occasional.*
- 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 practice with a specific type of civic, professional, or disciplinary writing. *Occasional.*
- ENC 3473 CAH-WRITE 3(3,0)**  
**Writing in Disciplinary Cultures:** PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. *Occasional.*
- ENC 3502 CAH-WRITE 3(3,0)**  
**Writing Studies:** PR: Grade of "C" (2.0) or better required in ENC 1102. Examines important knowledge domains and lines of inquiry in the field variously known as Writing Studies or Rhetoric and Composition. *Odd Spring.*
- ENC 3503 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/or the teaching of writing. *Occasional.*
- ENC 3521 CAH-WRITE 3(3,0)**  
**Cultural Literacies:** PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. *Occasional.*
- ENC 3905 CAH-ENG 3(3,0)**  
**Directed experience in Writing:** PR: Grade of C (2.0) or better required in ENC 1102 and C.I. Individualized topics of study and/or research in writing with personalized faculty direction. May be repeated for credit. *Occasional.*
- ENC 3942 CAH-ENG 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 literary genre and a means of self-expansion. *Occasional.*
- ENC 4212 CAH-WRITE 3(3,0)**  
**Professional Editing:** PR: Grade of "C" (2.0) or better required in ENC 1102. Students will perform different types and levels of editing on a range of print and online texts from business and non-profit contexts. *Even Fall.*
- ENC 4215 CAH-ENG 3(3,0)**  
**Technical Publication and Project Management:** PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, stressing composition and printing; word processing, automated text processing, methods of reproduction. Introduction of graphics: style, format, layout, and board-work. *Spring.* M&S fee \$10.00
- ENC 4218 CAH-ENG 3(3,0)**  
**The Visual in Technical Documentation:** PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. *Fall.* M&S fee \$10.00
- ENC 4262 CAH-ENG 3(3,0)**  
**International Technical Communication:** PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. *Occasional.*
- ENC 4265 CAH-ENG 3(3,0)**  
**Writing for the Computer Industry:** PR: Grade of C (2.0) or better in ENC 1102 and junior standing, or C.I. Creating different kinds of software manuals or online help systems for the computer industry. *Occasional.*
- ENC 4275 CAH-ENG 3(3,0)**  
**Writing/Consulting: theory & practice:** PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. *Occasional.*
- ENC 4280 CAH-ENG 3(3,0)**  
**Technical Writing Style:** PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. *Spring.*
- ENC 4290 CAH-ENG 3(3,0)**  
**Usability Testing for Technical Communication:** PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. *Occasional.*
- ENC 4293 CAH-ENG 3(3,0)**  
**Documentation and the Collaborative Process:** PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. *Fall, Spring.*
- ENC 4294 CAH-ENG 3(3,0)**  
**Documentation and Client-Based Collaboration:** PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. *Fall, Spring.* M&S fee \$10.00
- ENC 4298 CAH-ENG 3(3,0)**  
**Technical Communication for the Virtual Workplace:** PR: ENC 1102. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. *Fall, Spring.*
- ENC 4312 CAH-ENG 3(3,0)**  
**Theory & Practice Persuasive Writing:** PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. *Occasional.*



## UCF Courses and Descriptions

<b>ENC 4313</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Research Writing:</b> PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. <i>Occasional.</i>
<b>ENC 4354</b>	<b>CAH-WRITE</b>	<b>3(3,0)</b>	<b>Community Based Research and Writing:</b> PR: Grade of "C" (2.0) or better required in ENC 1102. The study, application, and assessment of community-based research and writing using various methods, including intercultural inquiry. <i>Occasional.</i>
<b>ENC 4360</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Nature Writing:</b> PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. <i>Occasional.</i>
<b>ENC 4374</b>	<b>CAH-WRITE</b>	<b>3(3,0)</b>	<b>Gendered Rhetorics:</b> PR: Grade of "C" (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. <i>Occasional.</i>
<b>ENC 4414</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Writing and Hypertext:</b> PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensibility regarding hypertext. <i>Occasional.</i>
<b>ENC 4415</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Digital Rhetorics and The Modern Dialectic:</b> PR: Grade of C (2.0) or better required in ENC 1102. This online course explores the development of digital/online rhetorics through a close reading and analysis of formative rhetorical texts, modern American fiction and films. <i>Fall, Spring.</i>
<b>ENC 4416</b>	<b>CAH-WRITE</b>	<b>3(3,0)</b>	<b>Writing in Digital Environments:</b> PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of new media/Internet writing and publishing, covering a range of online and multimedia genres. <i>Occasional.</i>
<b>ENC 4504</b>	<b>CAH-WRITE</b>	<b>3(3,0)</b>	<b>Contemporary Composition Theory:</b> PR: Grade of "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. <i>Occasional.</i>
<b>ENC 4523</b>	<b>CAH-WRITE</b>	<b>3(3,0)</b>	<b>Writing and Identity:</b> PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. <i>Occasional.</i>
<b>ENC 4544</b>	<b>CAH-WRITE</b>	<b>3(3,0)</b>	<b>Writing Pedagogy:</b> PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. <i>Occasional.</i>
<b>ENC 5225</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Theory and Practice of Document Usability:</b> PR: Graduate status or senior standing or C.I. Presents theory and practice of how document usability is assessed and improved. <i>Occasional.</i>
<b>ENC 5237</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Writing for the Business Professional:</b> PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. <i>Fall, Spring.</i>
<b>ENC 5276</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Writing/Consulting: Theory and Practice:</b> PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). <i>Occasional.</i>
<b>ENC 5291</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Developing Professional Writing Projects:</b> PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, production, and problem solving. <i>Occasional.</i>
<b>ENC 5337</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Rhetorical Theory:</b> PR: Graduate standing or C.I. Overview of theory and history of classical and modern rhetorical theory and rhetorical instruction. <i>Fall.</i>
<b>ENC 5705</b>	<b>CAH-ENG</b>	<b>3(2,1)</b>	<b>Theory and Practice in Composition:</b> PR: Graduate status or senior standing or C.I. Intensive study of theories of composition, with practical experience in the writing laboratory and in composition classes. <i>Spring.</i>
<b>ENC 5745</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Teaching Practicum:</b> PR: ENC 5705, graduate status or senior standing, or C.I. To supplement and deepen theoretical and practical experiences during their first teaching semester, GTA's will participate in staff development and individual conferences with their mentors. <i>Occasional.</i>
<b>ENC 5930</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Current Topics in Professional Writing:</b> PR: Graduate status or C.I. Students will learn how to produce texts for specialized fields of discourse, including the medical and legal profession, as well as for general publication. <i>Occasional.</i>
<b>ENG 3010</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Practical Criticism:</b> PR: Grade of C (2.0) or better required in ENC 1102. Student evaluation of selected fiction, poetry, and drama through practical exercises in literary criticism. <i>Occasional.</i>
<b>ENG 3014</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Theories and Techniques of Literature Study:</b> PR: Junior standing, or C.I., and C (2.0) or better required in ENC 1102. Techniques of analysis, theories of interpretation, and application of critical approaches to selected works. <i>Fall, Spring.</i>
<b>ENG 3073</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Cultural Studies Literature:</b> PR: Grade of C (2.0) or better required in ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies.". <i>Occasional.</i>
<b>ENG 4114</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Literature and Film:</b> PR: Grade of C (2.0) or better required in ENG 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. <i>Occasional.</i>
<b>ENG 4614</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Discourse of Global Cultural Studies:</b> PR: ENG 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. <i>Occasional.</i>
<b>ENG 5009</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Methods of Bibliography and Research:</b> PR: Graduate status or senior standing or C.I. Bibliographical, library and systematic approaches to research at the graduate level in language and literature. <i>Fall.</i>
<b>ENL 2012</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>English Literature I:</b> PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1798. <i>Fall, Spring.</i>
<b>ENL 2022</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>English Literature II:</b> PR: Grade of C (2.0) or better required in ENC 1102. From 1798 to 1914. <i>Fall, Spring.</i>
<b>ENL 3231</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Restoration Literature:</b> PR: Grade of "C" or better in ENC 1102. This course surveys the poetry, drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. <i>Occasional.</i>
<b>ENL 3296</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Gothic Literature:</b> PR: Grade of "C" or better required in ENC 1102. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. <i>Occasional.</i>
<b>ENL 3654</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Black British Literature:</b> PR: Grade of "C" or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. <i>Occasional.</i>
<b>ENL 3951</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Orlando Shakespeare Festival:</b> PR: ENC 1102. Involvement in theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. <i>Occasional.</i>
<b>ENL 3951H</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Orlando Shakespeare Festival Honors:</b> PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. <i>Occasional.</i>
<b>ENL 4101</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>English Novel:</b> PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novelists. <i>Occasional.</i>
<b>ENL 4220</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>English Renaissance Poetry and Prose:</b> PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. <i>Occasional.</i>
<b>ENL 4230</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>18th Century Studies:</b> PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English: 1660-1880. May be repeated for credit. <i>Occasional.</i>
<b>ENL 4240</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>English Romantic Writers:</b> PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlitt, Lamb, Byron, Shelley and Keats. <i>Occasional.</i>
<b>ENL 4253</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>The Victorian Age: Poetry:</b> PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. <i>Occasional.</i>
<b>ENL 4262</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Nineteenth Century British Prose:</b> PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. <i>Occasional.</i>
<b>ENL 4273</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Modern British Literature:</b> PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. <i>Occasional.</i>
<b>ENL 4303</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>British Authors:</b> PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i>
<b>ENL 4311</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Chaucer:</b> PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. <i>Occasional.</i>
<b>ENL 4333</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Shakespeare Studies:</b> PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. <i>Occasional.</i>
<b>ENL 4341</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Milton and His Age:</b> PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. <i>Occasional.</i>
<b>ENL 5006</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>British Literature: Medieval to Modern:</b> PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature's social and historical contexts. <i>Occasional.</i>
<b>ENL 5237</b>	<b>CAH-ENG</b>	<b>3(3,0)</b>	<b>Eighteenth Century Studies:</b> PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English:1660-1880. <i>Occasional.</i>

## UCF Courses and Descriptions

<b>ENL 5250</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>The Victorian Age: Poetry:</b> PR: Graduate status or senior standing or C.I. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. <i>Occasional.</i>	<b>ENV 4562C</b> <b>ECS-CECE</b> <b>3(2,2)</b> <b>Environmental Engineering Water Treatment Design:</b> PR: EES 4202C and ENV 4531 both with grades of "C" (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale potable water treatment plant. <i>Spring.</i> M&S fee \$43.00	<b>EPH 5395</b> <b>ED-CFCS</b> <b>3(3,0)</b> <b>Physical and Sociological Implications of Handicapping Conditions:</b> 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. <i>Occasional.</i>
<b>ENL 5256</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Victorian Literature:</b> PR: Graduate status or senior standing or C.I. A study of the major prose works and selected poetry of British Victorian writers. <i>Occasional.</i>	<b>ENV 4563</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Environmental Control Systems:</b> PR: EGN 3343, EGN 3373 and CWR 3201 CR: ENV 4561. Analysis and design of process control systems in environmental engineering applications including process dynamics, instrumentation, and control system configuration. <i>Occasional.</i>	<b>ESE 3940</b> <b>ED-TL&amp;L</b> <b>3-16(0,3-16)</b> <b>Internship I - Secondary:</b> PR: EDG 4323 and C.I. Student teaching in a secondary school under the supervision of a certified classroom teacher. Graded S/U. <i>Occasional.</i>
<b>ENL 5335</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Studies in Shakespeare:</b> PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. <i>Occasional.</i>	<b>ENV 5071</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Environmental Analysis of Transportation Systems:</b> PR: CWR 3201; ENV 3001. Prediction and abatement of pollution from transportation sources. Analysis techniques and environment laws. <i>Occasional.</i>	<b>ESE 4942</b> <b>ED-TL&amp;L</b> <b>1(1,0)</b> <b>Internship II Seminar:</b> 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. <i>Fall, Spring.</i>
<b>ENL 5347</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>The Age of Milton:</b> PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. <i>Occasional.</i>	<b>ENV 5116C</b> <b>ECS-CECE</b> <b>3(2,3)</b> <b>Air Pollution Monitoring:</b> PR: C.I. Air Pollution sampling techniques, equipment, and monitor siting. Emphasis on theory and direct applications in air pollution monitoring. <i>Occasional.</i>	<b>ESE 4943</b> <b>ED-TL&amp;L</b> <b>7-12(0,35)</b> <b>Internship II - Secondary:</b> PR: ESE 3940 or EDE 3942. Student teaching in a secondary school under the direction of a certified classroom teacher. Scheduled concurrent seminars. Graded S/U or Letter grade. <i>Occasional.</i>
<b>ENV 3001</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Introduction to Environmental Engineering:</b> PR: MAC 2312 and CHM 2045C or CHS 1440 both with a grade of "C" (2.0) or better. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. <i>Fall, Spring.</i>	<b>ENV 5334</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Characterization of Hazardous Waste Sites:</b> PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. <i>Occasional.</i>	<b>ESE 5214</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Secondary School Curriculum Improvement I:</b> PR: Regular Certificate or C.I. Secondary School self studies for curriculum projects, accreditation reports, or staff development. <i>Occasional.</i>
<b>ENV 4112C</b> <b>ECS-CECE</b> <b>3(2,2)</b> <b>Air Pollution Measurements Lab:</b> Measurement of gaseous flow, isokinetic sampling, and pollutant quantification. Emphasis is placed on EPA methods. <i>Occasional.</i>	<b>ENV 5335</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Hazardous Waste Management:</b> PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. <i>Occasional.</i>	<b>ESI 4221</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Empirical Methods for Industrial Engineering:</b> PR: STA 3032. Application of empirical methods for industrial engineering problem solving. <i>Spring.</i>
<b>ENV 4120</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Air Pollution Control:</b> PR: CHM 2046, EGN 3343, CWR 3201 and ENV 3001 all with a grade of "C" (2.0) or better. In-depth introduction to air pollution engineering including air resources management, engineering design, and operation of air pollution control systems. <i>Fall.</i>	<b>ENV 5356</b> <b>ECS-CECE</b> <b>4(4,0)</b> <b>Solid and Hazardous Waste Management:</b> 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. <i>Fall.</i>	<b>ESI 4234</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Quality Engineering:</b> PR: STA 3032. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering. <i>Fall.</i>
<b>ENV 4122C</b> <b>ECS-CECE</b> <b>3(2,2)</b> <b>Air Pollution Control Design:</b> PR: ENV 4120 with grade of "C" (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. <i>Spring.</i> M&S fee \$15.00	<b>ENV 5410</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Drinking Water Treatment:</b> PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO <sub>3</sub> , DBP <sub>3</sub> , SOCs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. <i>Occasional.</i>	<b>ESI 4312</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Operations Research:</b> PR: STA 3032. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queueing. Course covers theory through application and implementation of results. <i>Fall.</i>
<b>ENV 4300C</b> <b>ECS-CECE</b> <b>3(2,2)</b> <b>Solid Waste Facility Design:</b> PR: ENV 4341 with grade of "C" (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. <i>Occasional.</i>	<b>ENV 5505</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Sludge Management Operations in Environmental Engineering:</b> PR: ENV 4561. Theory and design of sludge management operations and processes in environmental engineering, including stabilization dewatering and ultimate disposal. <i>Occasional.</i>	<b>ESI 4321</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Quantitative Techniques in Industrial Engineering:</b> PR: ESI 4312. Extension of ESI 4312, with primary emphasis on Operations Research and statistical applications to industrial engineering problems. <i>Even Fall.</i>
<b>ENV 4341</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Solid &amp; Hazardous Waste Management:</b> 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. <i>Fall.</i>	<b>ENV 5517</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Engineering Chemical and Biological Processes:</b> CR: ENV 4561(or equivalent) or C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemistry as applied to activated sludge system design. <i>Fall.</i>	<b>ESI 4523C</b> <b>ECS-IEMS</b> <b>3(2,3)</b> <b>Systems Simulation:</b> PR: STA 3032 or C.I. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. <i>Spring.</i>
<b>ENV 4432</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Potable Water Treatment:</b> PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. <i>Occasional.</i>	<b>ENV 5636</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Environmental and Water Resources Systems Analysis:</b> 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. <i>Occasional.</i>	<b>ESI 4628C</b> <b>ECS-IEMS</b> <b>3(2,3)</b> <b>Industrial Engineering Applications of Computers:</b> PR: EIN 3001 or C.I. Survey of microcomputer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises. <i>Fall.</i>
<b>ENV 4433C</b> <b>ECS-CECE</b> <b>3(2,2)</b> <b>Environmental Engineering Wastewater Design:</b> 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. <i>Occasional.</i>	<b>ENV 5006C</b> <b>COS-BIOL</b> <b>4(2,6)</b> <b>General Entomology:</b> PR: BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. <i>Occasional.</i> M&S fee \$15.00	<b>ESI 5219</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Engineering Statistics:</b> PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric stats and ANOVA. <i>Fall, Spring.</i>
<b>ENV 4531</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Environmental Engineering Operations &amp; Processes I:</b> PR: ENV 3001, CWR 3201 both with a minimum grade of "C" (2.0) or better. Water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. <i>Fall, Spring.</i>	<b>ENV 5006C</b> <b>COS-BIOL</b> <b>4(2,6)</b> <b>Entomology:</b> PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. <i>Occasional.</i> M&S fee \$40.00	<b>ESI 5227</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Total Quality Improvement:</b> 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. <i>Odd Fall.</i>
<b>ENV 4561</b> <b>ECS-CECE</b> <b>3(3,0)</b> <b>Environmental Engineering Operations &amp; Processes II:</b> PR: CHM 2046 and ENV 4531 both with a minimum grade of "C" (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. <i>Fall, Spring.</i>		<b>ESI 5236</b> <b>ECS-IEMS</b> <b>3(3,0)</b> <b>Reliability Engineering:</b> PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (DOD), software reliability, reliability in design, and electronic systems reliability. <i>Fall.</i>



## UCF Courses and Descriptions

<b>ESI 5306</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>	<b>EUH 3122</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 3536</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Operations Research:</b> 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. <i>Fall</i> .			<b>Medieval Society and Civilization:</b> PR: EUH 2000 and 2001 or C.I. <i>Fall, Spring</i> .			<b>Early Modern Ireland:</b> PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1607 to 1800. <i>Occasional</i> .		
<b>ESI 5359</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>	<b>EUH 3124</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 3538</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Risk Assessment and Management:</b> PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. <i>Occasional</i> .			<b>The Crusades:</b> PR: EUH 2000 and EUH 2001, or C.I. The phenomenon of crusading in medieval Europe and the Middle East, including theories of "just war" and jihad. <i>Even Spring</i> .			<b>Modern Ireland:</b> PR: EUH 2001. Cultural, political and social developments in Ireland after 1800. <i>Odd Fall</i> .		
<b>ESI 5419C</b>	<b>ECS-IEMS</b>	<b>3(2,2)</b>	<b>EUH 3142</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 3651</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Engineering Applications of Linear and Nonlinear Optimization:</b> PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. <i>Odd Fall</i> . M&S fee \$45.00			<b>Renaissance and Reformation:</b> PR: EUH 2000 and 2001 or C.I. Influence of Renaissance humanism on arts, letters, and politics; Luther and Protestantism; the Catholic Counter-Reformation and the Thirty Years' War. <i>Occasional</i> .			<b>War and Society:</b> Evolution of weapons, tactics, strategy; role, social status, recruitment of soldiers; influence of military on governments; and international efforts to preserve peace. <i>Occasional</i> .		
<b>ESI 5531</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>	<b>EUH 3180</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4283</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Discrete Systems Simulation:</b> PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. <i>Spring</i> .			<b>Sorcerers, Saints and Heretics: Religion in the Medieval World:</b> PR: EUH 2000 or C.I. Examines the mixture of superstition, paganism, heresies, Jewish and Muslim communities and the rising Catholic Church that formed religious life and shaped society and culture in Medieval Europe. <i>Occasional</i> .			<b>Cold War Homefronts:</b> PR: EUH 2000 and EUH 2001, or C.I. The Cold War from the homefront perspective addressing both sides of the Iron Curtain. <i>Occasional</i> .		
<b>ETG 5918</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3235</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4284</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Applied Research Methods:</b> 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. <i>Fall</i> .			<b>Romanticism and Realism:</b> PR: EUH 2000 and 2001 or C.I. Napoleon and nationalism; new ideas; conservatism; liberalism, romanticism, republicanism and socialism; urbanization, technology and mass culture, religious decline; Realpolitik, racism, imperialism, and militarism. <i>Occasional</i> .			<b>Fascism and Nazism in the Interwar Europe:</b> PR: EUH 2000 and 2001. Fascist and Nazi movements in interwar Europe, mostly Italy and Germany. Origin, development, seizure of power, system of government, ideology, domestic and foreign policies, resistance to these movements. <i>Occasional</i> .		
<b>ETI 3116</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3242</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4400</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Applied Engineering Quality Assurance:</b> PR: STA 2014C or STA 2023. Fundamentals of industrial quality control. Technical specifications, measurements standards, inspection, and gaging. Process control techniques. <i>Fall</i> .			<b>Modern Europe and the First World War:</b> A survey of the impact of the democratic institutions, education, transportation, housing, health, mass communications, entertainment, women, and warfare. <i>Occasional</i> .			<b>The History of Ancient Greece:</b> PR: EUH 2000, EUH 2001 or WOH 2012, WOH 2022. Systems of government in the various city-states of the ancient Greek world from the Bronze Age through the Hellenistic era (C. 1200BCE-30BCE). <i>Occasional</i> .		
<b>ETI 3671</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3281</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4426</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Technical Economic Analysis:</b> PR: MAC 1105C or equivalent. Analysis of cost elements in technical operations. Basis for comparison of alternatives. <i>Spring</i> .			<b>Second World War and Rebirth of Europe:</b> PR: EUH 2000 and 2001 or C.I. Origins of World War II: Hitler's "New Order," and resistance movements; Cold War; de-Stalinization of Russia; Sovietization of East Central Europe; Western reconstruction, and prosperity. <i>Occasional</i> .			<b>Sex and Gender in Antiquity:</b> PR: EUH 2000 or WOH 2012. Examines the concepts of sex and gender in Greek and Roman societies and their impact on modern society. <i>Occasional</i> .		
<b>ETI 4186</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3315</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4465</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Applied Reliability:</b> PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. <i>Odd Spring</i> .			<b>History of Modern Spain:</b> PR: Modern European History (18th-20th century). The evolution of Modern Spain through its key institutions, cultural as well as social movements, and impact of political and intellectual trends, 1700-Present. <i>Occasional</i> .			<b>Hitler's Third Reich:</b> 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. <i>Occasional</i> .		
<b>ETI 4448</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3411</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4500</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Applied Project Management:</b> 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. <i>Spring</i> .			<b>Ancient Rome:</b> PR: EUH 2000 and EUH 2001 or C.I. Romans and their contributions to Western Civilization. Covers traditions of Roman Republic, Carthaginian Wars, Imperial Period. <i>Occasional</i> .			<b>English History to 1485:</b> PR: EUH 2000 and 2001 or C.I. <i>Occasional</i> .		
<b>ETI 4635</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3431</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4501</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Technical Administration:</b> 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. <i>Fall, Spring</i> .			<b>History of Modern Italy:</b> PR: EUH 2001. The history of modern Italy from the origins of national unification through the post-World War II era. <i>Occasional</i> .			<b>English History: 1485-1815:</b> PR: EUH 2000 and 2001 or C.I. <i>Occasional</i> .		
<b>ETI 4640</b>	<b>ECS-ECS</b>	<b>3(3,0)</b>	<b>EUH 3431H</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4502</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Operations Management for Technologists:</b> PR: ETI 4635. Scheduling techniques (PERT), (CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. <i>Fall</i> .			<b>Honors History of Modern Italy:</b> PR: EUH 2001 and consent of Honors. The history of modern Italy from the origins of national unification through the post-World War II era, with honors content. <i>Occasional</i> .			<b>British History: 1815-Present:</b> PR: EUH 2000 and 2001 or C.I. <i>Occasional</i> .		
<b>EUH 2000</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 3441</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4571</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Western Civilization I:</b> A survey of western civilization from ancient to 1648. <i>Fall, Spring</i> .			<b>Early Modern France:</b> PR: EUH 2000 and EUH 2001. France beginning with Wars of Religion. Topics include Absolutism and Louis XIV, nation building, the Enlightenment, imperial expansion, and the French Revolution. <i>Occasional</i> .			<b>History of Russia to 1801:</b> 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. <i>Occasional</i> .		
<b>EUH 2000H</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 3451</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4574</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Honors Western Civilization I:</b> PR: Permission of Honors. A survey of western civilization from ancient to 1648. Honors-level content. <i>Fall, Spring</i> .			<b>History of Modern France:</b> PR: EUH 2001, EUH 3242 or C.I. France beginning with the Napoleonic era. Topics include nineteenth century social, political and consumer revolutions, the World Wars, the Cold War, imperialism and decolonization. <i>Occasional</i> .			<b>History of Russia: 1801-1917:</b> 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. <i>Occasional</i> .		
<b>EUH 2001</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 3531</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>	<b>EUH 4576</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Western Civilization II:</b> A survey of western civilization from 1648 to present. May be taken before EUH 2000. <i>Fall, Spring</i> .			<b>Medieval Ireland:</b> PR: EUH 2000 and EUH 2001 or C.I. Ireland's historical and cultural development from 1129 to 1607. <i>Occasional</i> .			<b>History of Russia in the 20th Century:</b> PR: EUH 2000 and 2001 or C.I. War and Revolution, Lenin, Stalinist Period, WWII, The Cold War. Collapse of Soviet Union, the New Russia. <i>Occasional</i> .		
<b>EUH 2001H</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>				<b>EUH 4582</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
<b>Honors Western Civilization II:</b> PR: Permission of Honors. A survey of western civilization from 1648 to present. May be taken before EUH 2000. Honors-level content. <i>Fall, Spring</i> .						<b>20th Century Russian Diplomatic History:</b> PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. <i>Occasional</i> .		
						<b>EUH 4610</b>	<b>CAH-HIST</b>	<b>3(3,0)</b>
						<b>Women in European Society: From Medieval to Modern:</b> PR: Junior standing or C.I. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. <i>Occasional</i> .		



# UCF Courses and Descriptions

**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 Crimean War, unifications of Italy & Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. *Occasional.*

**EUH 4663 CAH-HIST 3(3,0)**  
**History of Communism in Europe:** PR: EUH 2000 and EUH 2001. History of communist movements and regimes in Europe from mid-19th century to the fall of the Berlin Wall. The course focuses on the history of communism outside of Russia and opposition to the communist regimes. *Occasional.*

**EUH 4674 CAH-HIST 3(3,0)**  
**Sport and Society in the Ancient World:** PR: EUH 2000, EUH 2001 or WOH 2012, WOH 2022. A comparison of the original form of the Olympic Games (and ancient notions of sport) to their modern counterparts. *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 5371 CAH-HIST 3(3,0)**  
**Colloquium in Spanish History:** PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Spanish history. *Occasional.*

**EUH 5415 CAH-HIST 3(3,0)**  
**Rome and Early Christianity:** PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with 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.*

**EUH 5595 CAH-HIST 3(3,0)**  
**Colloquium in Czarist Russia:** PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. *Occasional.*

**EUH 5608 CAH-HIST 3(3,0)**  
**Colloquium European Intellectual History:** PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. *Occasional.*

**EVR 5930 COS-BIOL 1(1,0)**  
**Seminar in Conservation Issues:** PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. *Occasional.*

**EXP 3204C COS-PSYCH 4(3,2)**  
**Perception:** PR: PSY 2012, PSY 3213C. Consideration of physical and psychological variables in perceptual phenomena. Lecture/Lab. *Fall.*

**EXP 3250 COS-PSYCH 3(3,0)**  
**Principles of Human Factors Psychology:** PR: PSY 2012. The study of human performance in human-machine-environment systems. Topics will include human factors psychology in the design of displays and controls, human information processing, and the effects of some environmental variables on human performance. *Spring.*

**EXP 3304C COS-PSYCH 3(3,2)**  
**Motivation:** PR: PSY 2012. Psychological and physiological aspects of human motivation. *Fall, Spring.*

**EXP 3404C COS-PSYCH 3(3,2)**  
**Basic Learning Processes:** PR: PSY 2012. Theory and research on learning phenomena. *Occasional.*

**EXP 3604C COS-PSYCH 4(3,2)**  
**Cognitive Psychology:** PR: PSY 2012. Theory and research on attention, memory, complex human learning, and problem solving. *Fall, Spring.*

**EXP 4507C COS-PSYCH 3(1,4)**  
**Advanced Human Memory and Cognition:** PR: PSY 3213C, EXP 3604C. In-depth coverage of experimental research on human memory and cognition. *Occasional.* M&S fee \$15.00

**EXP 5208 COS-PSYCH 3(3,0)**  
**Sensation and Perception:** PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. *Odd Spring.*

**EXP 5254 COS-PSYCH 3(3,0)**  
**Human Factors and Aging:** PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. *Even Fall.*

**EXP 5256 COS-PSYCH 3(3,0)**  
**Human Factors I:** PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. *Fall.*

**EXP 5445 COS-PSYCH 3(3,0)**  
**Psychology of Learning and Motivation:** PR: DEP 5057, and graduate status or senior standing or C.I. Examination of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. *Occasional.*

**FIL 1000 CAH-FILM 3(3,0)**  
**Cinema Survey:** Introductory course that focuses on different approaches to studying cinema. *Fall, Spring.*

**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 1424 CAH-FILM 3(3,0)**  
**Film Production Tools:** Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. *Occasional.*

**FIL 2030 CAH-FILM 3(2,2)**  
**History of Motion Pictures:** The history of motion pictures as art and industry; from 1895 to the present. *Fall, Spring.* M&S fee \$0.00

**FIL 2107 CAH-FILM 3(3,0)**  
**Script Analysis:** PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used 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 film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. *Fall, Spring.*

**FIL 2461 CAH-FILM 3(3,0)**  
**Cinematography I:** PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. *Fall.* M&S fee \$5.00

**FIL 2480 CAH-FILM 3(3,0)**  
**Directing for Film I:** PR: FIL 1007, FIL 1008, and FIL 3427C. 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 non-linear editing systems. *Spring.* M&S fee \$5.00

**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.* M&S fee \$5.00

**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 1946 to the present. *Spring.*

**FIL 3041 CAH-FILM 3(3,0)**  
**History of Animated Films I:** PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. *Even Fall.*

**FIL 3051 CAH-FILM 3(3,0)**  
**Avant-Garde Cinema:** PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWII North American films and filmmakers. *Spring.* M&S fee \$10.00

## UCF Courses and Descriptions

<b>FIL 3070C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Cinema in the 1920s:</b> PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. <i>Occasional.</i>	<b>FIL 3379H</b> <b>CAH-FILM</b> <b>3(3,6)</b> <b>Honors Advanced Documentary Workshop:</b> PR: ENC 1102H 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. <i>Occasional.</i>	<b>FIL 3820</b> <b>CAH-LANG</b> <b>3(3,0)</b> <b>Italian Film:</b> This course attempts to stimulate and/or increase the interest of students in Italian cinema as an art form with the director playing the key role. Films by most outstanding Italian movie directors will be analyzed from a social, economic, and historical point of view. <i>Occasional.</i>
<b>FIL 3071C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Cinema in the 1930s:</b> PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. <i>Occasional.</i>	<b>FIL 3427C</b> <b>CAH-FILM</b> <b>3(2,4)</b> <b>Introduction to Film Production:</b> 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. <i>Fall</i> . M&S fee \$45.00	<b>FIL 3822</b> <b>CAH-LANG</b> <b>3(3,0)</b> <b>French Film:</b> The study of French cinema as an art form and the key role of the director. Films are analyzed from structural, social, economical, and historical perspectives with attention to their relationship with French literature. Taught in English. <i>Occasional.</i>
<b>FIL 3072C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Cinema in the 1940s and 1950s:</b> PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artistic context of the period. <i>Occasional.</i>	<b>FIL 3455C</b> <b>CAH-FILM</b> <b>6(2,4)</b> <b>Film Landscapes: Story, Image and Production Design:</b> PR: FIL 2423 or FIL 3427C, and FIL 2030. The use of landscape in film and its importance to the art of production design. <i>Occasional.</i>	<b>FIL 3823</b> <b>CAH-LANG</b> <b>3(3,0)</b> <b>German Film:</b> PR: C.I. Exploration of the form and context of German film during different time periods in relation to other aspects of culture and to sociopolitical structures at the time. <i>Occasional.</i>
<b>FIL 3073C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Cinema in the 1960s and 1970s:</b> PR: FIL 3035C. Films of the 1960s and 1970s as they relate to the political, social, cultural, and artistic context of the period. <i>Occasional.</i>	<b>FIL 3462C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Cinematic Expression:</b> PR: FIL 3803C. Cinematography using video format: study of fundamentals of motion-picture communication, film structure and storytelling. <i>Spring.</i>	<b>FIL 3824</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Italian Neo-Realist Cinema:</b> PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, Pasolini, Fellini, and Rossellini. <i>Occasional.</i>
<b>FIL 3074C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Cinema 1980s to the Present:</b> PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artistic context of the period. <i>Occasional.</i>	<b>FIL 3483</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Directing the Actor for Film II:</b> PR: FIL 2481. Characterization and scene study as it applies to directing the actor for film. <i>Occasional.</i>	<b>FIL 3826</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>American Cinema:</b> PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor. Lectures, films and forums designed to provide awareness of styles, images, and myths in cinema that influence or reflect our culture. <i>Spring.</i>
<b>FIL 3075C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film and Modernism I:</b> PR: FIL 3035C and ARH 2050. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. <i>Spring.</i>	<b>FIL 3492C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Performance in Film:</b> PR: FIL 3035C. Study of the different traditions and forms of acting in film. <i>Occasional.</i>	<b>FIL 3831</b> <b>CAH-FILM</b> <b>3(4,0)</b> <b>Black Cinema:</b> PR: Junior standing and ENC 1102. Independent black film movements: theory, aesthetics and criticism of African-American, African-Canadian and African-Caribbean cinema. <i>Fall.</i>
<b>FIL 3076C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film and Modernism II:</b> PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. <i>Fall.</i>	<b>FIL 3534</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Sound Design for Film I:</b> PR: FIL 3427C and Film BFA or C.I. Technical and aesthetics aspects of production and post-production sound recording, editing, and mixing for film. <i>Fall.</i>	<b>FIL 3841</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>French New Wave Cinema:</b> PR: FIL 3036 or FIL 3037, or C.I. Post-World War II period of the French cinema, emphasizing the work of Renoir, Bresson, Godard, Rohmer, Resnais, and Rivette. <i>Occasional.</i>
<b>FIL 3102</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Writing for Film and TV:</b> 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. <i>Fall, Spring.</i>	<b>FIL 3581</b> <b>CAH-FILM</b> <b>3(0,3)</b> <b>Film Production Technology Workshop:</b> PR: Restricted to Film majors. Demonstrations and hands-on equipment workshops to understand and operate the tools of the filmmaking process. May be repeated for credit. <i>Occasional.</i>	<b>FIL 3842</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>International Cinema:</b> PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Post-World War II period of the international cinema, with emphasis on the cinemas of Europe and Asia. <i>Occasional.</i>
<b>FIL 3106C</b> <b>CAH-FILM</b> <b>3(2,3)</b> <b>Introduction to Scriptwriting:</b> PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. <i>Occasional.</i>	<b>FIL 3720C</b> <b>CAH-SVAD</b> <b>3(2,4)</b> <b>Introduction to Animation:</b> PR: Animation majors only, and a satisfactory portfolio review or C.I. Introductory computer graphic techniques utilizing microcomputer systems. Techniques include basic paint systems, color cycling and 2D animation. <i>Fall, Spring</i> . M&S fee \$45.00	<b>FIL 3845</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>World Cinema Traditions:</b> PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. The relationship among film, history, and culture in selected Asian, African, Latin American, and Middle Eastern countries. <i>Fall, Spring.</i>
<b>FIL 3115</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Short Script I:</b> 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. <i>Fall, Spring.</i>	<b>FIL 3734C</b> <b>CAH-SVAD</b> <b>3(2,4)</b> <b>Intermediate Animation:</b> PR: Animation majors only, FIL 3720C, and a satisfactory portfolio review or C.I. Focus on 3D computer modeling and animation systems. Hands-on exercise on the type of high-end animation systems used in the film industry. May be repeated for credit. <i>Even Fall, Spring</i> . M&S fee \$45.00	<b>FIL 3847</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Latin American Cinema:</b> PR: or CR: FIL 3036 or FIL 3037 and Film BFA, World Cinema, or Cinema Studies major. Latin American films and film movements, historical and contemporary issues, social, and aesthetic concerns. <i>Spring.</i>
<b>FIL 3132</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Short Script II:</b> 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. <i>Spring.</i>	<b>FIL 3803C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film Theory and Criticism I:</b> PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Major film theories to the Second World War Period. <i>Fall</i> . M&S fee \$10.00	<b>FIL 3850</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Cinema Directors:</b> PR: FIL 3803C and Film BFA, World Cinema, or Cinema Studies major, or C.I. Intensive study of the work of selected film-makers using multiple modes of criticism and author analysis to examine films. <i>Occasional.</i>
<b>FIL 3304C</b> <b>CAH-FILM</b> <b>3(1,3)</b> <b>Documentary Vision:</b> PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. <i>Spring.</i>	<b>FIL 3804C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film Theory and Criticism II:</b> PR: FIL 2107 and Film BFA or Cinema Studies major. Major film theories from Second World War period to present. <i>Spring</i> . M&S fee \$10.00	<b>FIL 3852</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Cinema Criticism Writing:</b> PR: FIL 3036 or FIL 3037 and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema criticism. <i>Occasional.</i>
<b>FIL 3307</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Docudrama:</b> PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. <i>Occasional.</i>	<b>FIL 3811</b> <b>CAH-FILM</b> <b>3(3,0)</b> <b>Advanced Story Structure Research:</b> PR: FIL 3115 and Film BFA or World Cinema major. Early and contemporary theories of story structure. Identification of divergent ideas without dilution, development of new language, and recognition of patterns in complex structures. <i>Occasional.</i>	<b>FIL 3860C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>The Shot, Framing, Point of View:</b> PR: FIL 3035C. Approaches to the shot, framing and point of view. <i>Occasional.</i>
<b>FIL 3363C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film Documentary:</b> PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. <i>Fall, Spring</i> . M&S fee \$5.00	<b>FIL 3812C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film Theories and Practices:</b> PR: PHI 2010. Concentration on the film theories of film-makers in relation to their own work and to the cinema generally. <i>Spring.</i>	<b>FIL 3861C</b> <b>CAH-FILM</b> <b>3(3,1)</b> <b>Film and Photography:</b> PR: FIL 3076C. Historical and Cultural relationship between photography and film. <i>Occasional.</i>
<b>FIL 3379C</b> <b>CAH-FILM</b> <b>3(3,6)</b> <b>Advanced Documentary Production:</b> PR: FIL 3363C and FIL 3845, or C.I. Processes and principles of advanced documentary production to capture on-going reality based situations. <i>Occasional</i> . M&S fee \$5.00		

## UCF Courses and Descriptions

- FIL 3862C CAH-FILM 3(3,1)**  
**Narrative Structures in Film:** PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. *Fall*.
- FIL 3865C CAH-FILM 3(3,1)**  
**Mise en scène and Theatricality:** PR: THE 2000. Relationship between theatre and cinema with specific emphasis on mise en scène. *Spring*.
- FIL 3870C CAH-FILM 3(3,1)**  
**Music, Natural Sounds and Dialogue in Film:** PR: FIL 3035C. Study of relationship between music, natural sounds, dialogue, and moving images. *Occasional*.
- FIL 3871 CAH-FILM 3(3,0)**  
**The American Film Artist:** PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. *Fall*. M&S fee \$5.00
- FIL 3876C CAH-FILM 3(3,1)**  
**Experimental Cinema I:** PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. *Fall, Spring*.
- FIL 3877C CAH-FILM 3(3,1)**  
**Experimental Cinema II:** PR: FIL 3876C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. *Spring*.
- FIL 3878C CAH-FILM 3(3,1)**  
**Color and Lighting in Cinema:** PR: FIL 3035C. Ideas and practices related to lighting and color primarily in film but also painting, sculpture, photography and theatre. *Occasional*.
- FIL 3880C CAH-FILM 3(3,1)**  
**Images of Women in Film:** PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. *Fall, Spring*.
- FIL 3922 CAH-FILM 1(1,1)**  
**Film Colloquium:** PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. *Fall, Spring*.
- FIL 4040 CAH-SVAD 3(3,0)**  
**Animation Film History for Non Film Majors:** PR: ENC 1102. Evolution of animation since World War II. *Occasional*.
- FIL 4042 CAH-FILM 3(3,0)**  
**History of Animated Films II:** PR: FIL 3041, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. *Spring*.
- FIL 4057C CAH-FILM 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 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 4114C CAH-FILM 3(3,2)**  
**Interactive Writing II:** PR: Film major and FIL 4113C. Advanced writing and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. *Occasional*.
- FIL 4126C CAH-FILM 3(2,2)**  
**Genre Writing:** PR: Film major, FIL 3803C. 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: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. *Fall*.
- FIL 4163C CAH-FILM 3(2,3)**  
**Feature/TV Writing II:** PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. *Spring*.
- FIL 4301C CAH-FILM 3(1,3)**  
**Documentary Workshop I:** PR: FIL 3363C or C.I. Socially significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. *Fall*.
- FIL 4302C CAH-FILM 3(1,3)**  
**Documentary Workshop II:** PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. *Spring*.
- FIL 4303C CAH-FILM 3(3,1)**  
**Film Fiction and the Document:** PR: LIT 2110, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary in film and in the other arts at the core of which is the notion of the document. *Fall*.
- FIL 4428 CAH-FILM 3(3,0)**  
**Episodic Production:** PR: Film or Animation Majors. Episodic film production techniques. *Occasional*.
- FIL 4433C CAH-FILM 3(2,4)**  
**Intermediate Film Production:** PR: Film major, FIL 3427C. Advanced exploration of the aesthetic and technical facets of filmmaking. *Occasional*. M&S fee \$45.00
- FIL 4434C CAH-FILM 3(2,4)**  
**Capstone I:** PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. *Fall*. M&S fee \$10.00
- FIL 4436 CAH-FILM 3(3,0)**  
**Film Theory/Film Production:** PR: Junior standing and FIL 1008 or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. *Odd Spring*.
- FIL 4451 CAH-FILM 3(3,0)**  
**Design for Film:** PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. *Fall*.
- FIL 4453C CAH-FILM 4(3,2)**  
**Special Problems in Film Design:** PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. *Occasional*. M&S fee \$5.00
- FIL 4472C CAH-FILM 3(2,4)**  
**Cinematography II:** PR: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. *Spring*. M&S fee \$5.00
- FIL 4486C CAH-FILM 3(3,1)**  
**Directing for Film II:** PR: Film BFA major and FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. *Fall*. M&S fee \$5.00
- FIL 4487 CAH-FILM 3(3,0)**  
**Directing for Film III:** PR: FIL 4486C. Advanced processes and techniques of film directing. *Spring*. M&S fee \$5.00
- FIL 4535C CAH-FILM 3(3,1)**  
**Sound Design for Film II:** PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. *Spring*.
- FIL 4536 CAH-FILM 3(3,0)**  
**Sound Design III:** PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. *Occasional*.
- FIL 4554C CAH-FILM 3(3,1)**  
**Non-Linear Editing:** PR: Film major and FIL 3427C. Provide basic working knowledge of AVID editing system, to edit assigned projects, give basic understanding of editorial styles and techniques in film storytelling. *Occasional*. M&S fee \$45.00
- FIL 4566C CAH-FILM 3(3,2)**  
**Editing II:** PR: FIL 2274C. Theory, techniques and practices in picture editing. *Fall*. M&S fee \$5.00
- FIL 4573C CAH-FILM 3(1,3)**  
**Capstone II:** PR: FIL 4434C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. *Spring*. M&S fee \$5.00
- FIL 4602 CAH-FILM 3(3,0)**  
**Film Business:** PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry which deals with issues relating to the organization and production of motion pictures. *Spring*.
- FIL 4647 CAH-FILM 3(3,0)**  
**Film Production Management:** PR: FIL 3427C or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. *Spring*.
- FIL 4661 CAH-FILM 3(3,0)**  
**The Film Producer:** PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. *Spring*.
- FIL 4735C CAH-SVAD 3(2,4)**  
**Advanced Animation:** PR: "C" or better in FIL 3734C and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. *Fall, Odd Spring*. M&S fee \$45.00
- FIL 4740C CAH-FILM 3(3,1)**  
**Film and Digitalization:** PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. *Occasional*.
- FIL 4750C CAH-SVAD 3(2,4)**  
**Animation Workshop:** PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. *Fall, Spring*. M&S fee \$45.00
- FIL 4808 CAH-FILM 3(3,0)**  
**Images and Text in Context:** PR: FIL 2030 or C.I. Moving images, the still image, and text in their cultural contexts. *Occasional*.
- FIL 4830 CAH-FILM 3(3,0)**  
**Motion Picture Genre:** PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. *Occasional*. M&S fee \$5.00
- FIL 4844 CAH-FILM 3(3,0)**  
**Africana Cinema:** PR: FIL 3845. Aesthetics, theory and practice of filmmaking in the African Diaspora. *Occasional*.
- FIL 4863C CAH-FILM 3(3,1)**  
**Montage:** PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. *Fall*.
- FIL 4934C CAH-FILM 3(3,1)**  
**Current Problems in Film and Culture:** PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. *Occasional*.
- FIL 4935C CAH-FILM 3(3,1)**  
**Current Problems in Film Theory:** PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. *Occasional*.

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<b>FIL 4939C</b> CAH-FILM 3(3,1) <b>Current Problems in Film History:</b> PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. <i>Occasional.</i>	<b>FIN 3414</b> BA-FIN 3(3,0) <b>Intermediate Corporate Finance:</b> PR: FIN 3403C; open to majors or minors which require this course. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. <i>Fall, Spring.</i>	<b>FIN 4730</b> BA-FIN 3(3,0) <b>Senior Financial Consulting I:</b> PR: Finance major, FIN 3403C, FIN 3303, 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. <i>Occasional.</i>
<b>FIL 5165</b> CAH-FILM 3(3,0) <b>Visual Storytelling:</b> PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storyboarding to classic structural paradigms for feature film scripts. <i>Fall.</i>	<b>FIN 3461</b> BA-FIN 3(3,0) <b>Financial Statement Analysis:</b> PR: FIN 3403C. Understanding and interpreting financial statement data for business decisions. <i>Occasional.</i>	<b>FIN 4731</b> BA-FIN 3(3,0) <b>Senior Financial Consulting II:</b> PR: Finance major, FIN 4730. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. <i>Occasional.</i>
<b>FIL 5414</b> CAH-FILM 3(3,0) <b>Film Vision, Scope &amp; Financing:</b> PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. <i>Spring.</i>	<b>FIN 3504</b> BA-FIN 3(3,0) <b>Investment Analysis:</b> PR: FIN 3403C; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. <i>Fall, Spring.</i>	<b>FIN 4941</b> BA-FIN 3(0,3) <b>Finance Internship:</b> 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. <i>Fall, Spring.</i>
<b>FIL 5419</b> CAH-FILM 3(3,0) <b>Developing the Film Screenplay:</b> PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. <i>Fall.</i>	<b>FIN 4313</b> BA-FIN 3(3,0) <b>Management of Financial Institutions:</b> PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. <i>Occasional.</i>	<b>FLE 3160</b> ED-TL&L 3(3,0) <b>Education and Culture/Language Diversity:</b> PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. <i>Occasional.</i>
<b>FIL 5612</b> CAH-FILM 3(3,0) <b>Film and Internet Business:</b> PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films. Explores various, including feature films, short films, television documents and the Internet. <i>Fall.</i>	<b>FIN 4324</b> BA-FIN 3(3,0) <b>Commercial Bank Management:</b> PR: Fin 3303; open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. <i>Fall.</i>	<b>FLE 4290</b> ED-TL&L 2(2,0) <b>Technology in the Foreign Language classroom:</b> PR: EME 2040, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. <i>Occasional.</i>
<b>FIL 5800</b> CAH-FILM 3(3,0) <b>Research Methods in Film and Digital Media:</b> PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. <i>Spring.</i>	<b>FIN 4424</b> BA-FIN 3(3,0) <b>Advanced Topics in Financial Management:</b> PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. <i>Occasional.</i>	<b>FLE 4314</b> ED-TL&L 3(3,0) <b>Foreign Language Teaching in Elementary Schools:</b> Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. <i>Occasional.</i>
<b>FIL 5853</b> CAH-FILM 3(3,0) <b>Independent Cinematic Forms:</b> PR: Admission to MFA Film & Digital Media/Entre Dig Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. <i>Fall.</i>	<b>FIN 4453</b> BA-FIN 3(3,0) <b>Financial Models:</b> PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. <i>Fall, Spring.</i>	<b>FLE 4333</b> ED-TL&L 3(3,0) <b>Foreign Language Teaching in the Secondary School:</b> PR: EDG 4323, 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. <i>Occasional.</i>
<b>FIL 5864</b> CAH-FILM 3(3,0) <b>Ways of Seeing: The Expressive Potential of Film:</b> PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. <i>Fall.</i>	<b>FIN 4514</b> BA-FIN 3(3,0) <b>Portfolio Analysis and Management:</b> PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. <i>Fall, Spring.</i>	<b>FLE 5331</b> ED-TL&L 3(3,0) <b>Foreign Language Methods at the Secondary Level:</b> PR: C.I., EDG 4323, 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. <i>Occasional.</i>
<b>FIL 5924</b> CAH-FILM 1(1,0) <b>Graduate Seminar:</b> PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. <i>Fall.</i>	<b>FIN 4533</b> BA-FIN 3(3,0) <b>Financial Derivatives:</b> PR: FIN 3403C, FIN 3303 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. <i>Fall, Spring.</i>	<b>FLE 5335</b> ED-TL&L 3(3,0) <b>Foreign Language Methods at the Elementary Level:</b> PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 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. <i>Occasional.</i>
<b>FIN 2100</b> BA-FIN 3(3,0) <b>Personal Finance and Investments:</b> PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. <i>Fall, Spring.</i>	<b>FIN 4560C</b> BA-FIN 4(3,1) <b>Applied Portfolio Management 1:</b> PR: Finance major, FIN 3403C, FIN 3504, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. <i>Occasional.</i>	<b>FLE 5870</b> CAH-LANG 3(3,0) <b>Methods of Teaching Foreign Languages:</b> PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. <i>Occasional.</i>
<b>FIN 3303</b> BA-FIN 3(3,0) <b>Financial Markets:</b> PR: FIN 3403C; 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. <i>Fall, Spring.</i>	<b>FIN 4561C</b> BA-FIN 4(3,1) <b>Applied Portfolio Management 2:</b> PR: Finance major, FIN 4560C, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. <i>Occasional.</i>	<b>FLE 5875</b> CAH-LANG 3(3,0) <b>Computer Application in Teaching Foreign Languages:</b> PR: Graduate status or senior standing or C.I. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. <i>Occasional.</i>
<b>FIN 3403C</b> BA-FIN 4(3,1) <b>Business Finance:</b> PR: Junior standing, ACG 2021 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. <i>Fall, Spring.</i>	<b>FIN 4604</b> BA-FIN 3(3,0) <b>International Financial Management:</b> PR: FIN 3403C; 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. <i>Fall, Spring.</i>	
<b>FIN 3403H</b> BA-FIN 4(4,0) <b>Business Finance - Honors:</b> PR: Junior standing, ACG 2021 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 3403C with honors level content. <i>Occasional.</i>		

## UCF Courses and Descriptions

- FRE 1120C CAH-LANG 4(3,1)**  
**Elementary French Language and Civilization I:** Introduces the student to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. *Fall, Spring.*
- FRE 1121C CAH-LANG 4(3,1)**  
**Elementary French Language and Civilization II:** PR: FRE 1120C or equivalent. Continuation of FRE 1120C. *Fall, Spring.*
- FRE 2200 CAH-LANG 3(3,1)**  
**Intermediate French Language and Civilization I:** PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Fall, Spring.*
- FRE 2201 CAH-LANG 3(3,1)**  
**Intermediate French Language and Civilization II:** PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. *Fall, Spring.*
- FRE 2240 CAH-LANG 3(3,0)**  
**Intensive French Conversation:** PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. *Occasional.*
- FRE 2270 CAH-LANG 8(16,10)**  
**Intermediate French Study Abroad:** PR: Elementary French. Intermediate French language and civilization taught in the native environment. *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 diction 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 phonic groupings. *Spring.*
- FRE 3954 CAH-LANG 6(6,0)**  
**Study Abroad in the Caribbean:** PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. *Occasional.*
- FRE 4421 CAH-LANG 3(3,0)**  
**Advanced French Conversation:** PR: FRE 3760. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. *Fall.*
- FRE 4422 CAH-LANG 3(3,0)**  
**Advanced French Composition:** PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. *Spring.*
- FRE 4471 CAH-LANG 6(6,0)**  
**Advanced French Cultural Studies Abroad:** PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. *Occasional.*
- FRE 4500 CAH-LANG 3(3,0)**  
**French Civilization and Culture:** PR: FRE 3420. A survey analyzing development of key elements of French life: its historical, artistic, intellectual, scientific, and spiritual contributions to the world via readings, lectures, films, and other media. Conducted in French. *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 exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. *Occasional.*
- FRT 3140 CAH-LANG 3(3,0)**  
**French and Francophone Literary Masterworks in Translation:** PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. *Occasional.*
- FRT 3562 CAH-LANG 3(3,0)**  
**French Contemporary Pop Culture:** PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. *Occasional.*
- FRT 4421 CAH-LANG 3(3,0)**  
**French Medieval Literature and Culture:** PR: FRW 3810. 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. A survey of the French literature of Canada 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 colonial times to the present, in French. *Occasional.*
- FRW 3760 CAH-LANG 3(3,0)**  
**Creole Identity in the French-Speaking World:** PR: FRE 2201 or equivalent. Creole literatures and cultures of the Francophone world. *Spring.*
- 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 Literature 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 Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sarraute. *Occasional.*
- FRW 4310 CAH-LANG 3(3,0)**  
**Seventeenth Century French Theatre:** PR: FRW 3100. Corneille, Racine, and Moliere. 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, Giraudoux, Ionesco, and Sartre; different literary approaches will also be used. *Occasional.*
- FRW 4380 CAH-LANG 3(3,0)**  
**Early Modern French Fairy Tales:** PR: FRW 3100 and FRW 3101. Classic French fairy tale tradition within the context of 21st century American fairy tale tradition. *Odd Spring.*
- FRW 4440 CAH-LANG 3(3,0)**  
**French Literature of the Eighteenth Century:** PR: FRW 3100. The philosophical movement: Montesquieu, Vauvenargues, Voltaire, Diderot, Buffon. *Odd Fall.*
- FRW 4532 CAH-LANG 3(3,0)**  
**French Romanticism:** PR: FRW 3100. Great poets and dramatists of the Romantic Movement: Hugo, Lamartine, Vigny, Musset, and others. *Occasional.*
- FRW 4552 CAH-LANG 3(3,0)**  
**Nineteenth Century French Literature:** PR: FRW 3101. Realism and naturalism. *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 2221C RCHM-HOS 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 2284C 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-HOS 3(3,0)**  
**Culture and Cuisine:** PR: FSS 2221C and HFT 3263. The major 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, garde-manger, garnishing, and convenience foods and services. Laboratory class. *Occasional.* M&S fee \$70.00
- FSS 4135 RCHM-HOS 3(3,0)**  
**Corporate Contract and Managed Services Organizations:** PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. *Occasional.*



## UCF Courses and Descriptions

<b>FSS 4286C</b>	<b>RCHM-HOS</b>	<b>3(3,1)</b>	<b>Catering and Banquet Organization:</b> PR: FSS 2221C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. <i>Occasional.</i> M&S fee \$70.00
<b>GEA 4405</b>	<b>CAH-CAH</b>	<b>3(3,0)</b>	<b>Geography of Latin America:</b> PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. <i>Occasional.</i>
<b>GEB 1091C</b>	<b>BA-BUS</b>	<b>2(1,1)</b>	<b>Foundations of Leadership:</b> PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. <i>Fall, Spring.</i>
<b>GEB 2350</b>	<b>BA-MAR</b>	<b>3(3,0)</b>	<b>Foundations of Business:</b> Introduction to the U.S. business system and the role it plays in a global economy. <i>Fall.</i>
<b>GEB 3031</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>Cornerstone: Professional Skills for Business:</b> PR: Junior standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. <i>Fall, Spring.</i>
<b>GEB 3031L</b>	<b>BA-MAN</b>	<b>1(0,2)</b>	<b>Cornerstone Lab: Professional Skills for Business:</b> 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. <i>Fall, Spring.</i>
<b>GEB 3113</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>How to Start a Business:</b> 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. <i>Occasional.</i>
<b>GEB 3375</b>	<b>BA-FIN</b>	<b>4(4,0)</b>	<b>Introduction to International Business:</b> PR: Junior standing and ACG 2071, ECO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. <i>Fall, Spring.</i>
<b>GEB 3375H</b>	<b>BA-FIN</b>	<b>4(4,0)</b>	<b>Introduction to International Business - Honors:</b> PR: Junior standing, permission of Honors, ACG 2071, ECO 2013, and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. <i>Occasional.</i>
<b>GEB 4110</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>Business Plan Preparation:</b> 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. <i>Fall, Spring.</i>
<b>GEB 4111</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>New Venture Finance:</b> 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. <i>Odd Fall, Even Spring.</i>
<b>GEB 4152</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>Technological Entrepreneurship:</b> PR: Junior Standing. Creating business ventures based on novel intellectual property and technological innovation. It addresses licensing, venture formation, and strategic alliances as potential strategies. <i>Occasional.</i>
<b>GEB 4361</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Business in the International Environment:</b> PR: Finance major, FIN 3403C, MAR 3023, MAN 3025. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. <i>Occasional.</i>
<b>GEB 4363</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Export and Import Management:</b> PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. <i>Occasional.</i>
<b>GEB 4374</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>International Negotiations and Transactions:</b> 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. <i>Occasional.</i>
<b>GEB 4435</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>Moral Foundations of Business:</b> PR: MAN 3025 or C.I. Ethical foundations of business and the relationship between markets and morality through a comparative analysis of capitalist and socialist ideals. <i>Occasional.</i>
<b>GEB 4824</b>	<b>BA-BUS</b>	<b>3(3,0)</b>	<b>Business Law in Sport &amp; Entertainment:</b> PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. <i>Fall.</i>
<b>GEB 5516</b>	<b>BA-MAN</b>	<b>3(3,0)</b>	<b>Technological Entrepreneurship:</b> PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategy aspects of technology transfer and development. <i>Occasional.</i>
<b>GEB 5941</b>	<b>BA-BUS</b>	<b>1.5(1.5,0)</b>	<b>Professional Business Practicum:</b> PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. <i>Occasional.</i>
<b>GEO 1200</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>Physical Geography:</b> Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. <i>Fall, Spring.</i>
<b>GEO 2370</b>	<b>ECS-CECE</b>	<b>3(3,0)</b>	<b>Resources Geography:</b> Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. <i>Fall, Spring.</i>
<b>GEO 3471</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>World Political Geography:</b> Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. <i>Fall, Spring.</i>
<b>GER 1120C</b>	<b>CAH-LANG</b>	<b>4(3,1)</b>	<b>Elementary German Language and Civilization I:</b> Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. <i>Fall, Spring.</i>
<b>GER 1120H</b>	<b>CAH-LANG</b>	<b>4(4,1)</b>	<b>Honors Elementary German Language and Civilization I:</b> PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. <i>Occasional.</i>
<b>GER 1121C</b>	<b>CAH-LANG</b>	<b>4(3,1)</b>	<b>Elementary German Language and Civilization II:</b> PR: GER 1120C or equivalent. Continuation of GER 1120C. <i>Fall, Spring.</i>
<b>GER 1121H</b>	<b>CAH-LANG</b>	<b>4(4,1)</b>	<b>Honors Elementary German Language and Civilization II:</b> PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. <i>Occasional.</i>
<b>GER 2200</b>	<b>CAH-LANG</b>	<b>3(3,1)</b>	<b>Intermediate German Language and Civilization I:</b> PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. <i>Fall, Spring.</i>
<b>GER 2201</b>	<b>CAH-LANG</b>	<b>3(3,1)</b>	<b>Intermediate German Language and Civilization II:</b> PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. <i>Spring.</i>
<b>GER 2210</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Intensive German Conversation:</b> PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. <i>Occasional.</i>
<b>GER 2240</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>German Conversation:</b> PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. <i>Occasional.</i>
<b>GER 2270</b>	<b>CAH-LANG</b>	<b>6(6,0)</b>	<b>Intermediate German Study Abroad:</b> PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. <i>Occasional.</i>
<b>GER 2271</b>	<b>CAH-LANG</b>	<b>2(2,0)</b>	<b>Modern German Civilization Abroad I:</b> PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lectures, readings, films, and other media. In German. <i>Occasional.</i>
<b>GER 3102</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Germany - Past to Present:</b> PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. <i>Occasional.</i>
<b>GER 3272</b>	<b>CAH-LANG</b>	<b>2(2,0)</b>	<b>Modern German Civilization Abroad II:</b> PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. <i>Occasional.</i>
<b>GER 3420</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Intensive German Composition:</b> PR: GER 2201 or equivalent. Development of skills in composition. <i>Occasional.</i>
<b>GER 3440</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Business German I:</b> PR: GER 2200. Introduction to German business language and practices. <i>Occasional.</i>
<b>GER 3441</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Business German II:</b> PR: GER 3440. Continuation of Business German I. <i>Occasional.</i>
<b>GER 3470</b>	<b>CAH-LANG</b>	<b>6(6,0)</b>	<b>Advanced German Study Abroad:</b> PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. <i>Occasional.</i>
<b>GER 3760</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Advanced German Oral Communication:</b> PR: GER 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. <i>Even Fall.</i>
<b>GER 3780</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>German Phonetics and Diction:</b> PR: GER 2240. The fundamental principles of German pronunciation. <i>Occasional.</i>
<b>GER 4422</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Advanced German Grammar:</b> PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designated for advanced students of the German language. <i>Occasional.</i>
<b>GER 4510</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Life and Culture in Nazi Germany:</b> PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. <i>Occasional.</i>
<b>GER 4520</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Modern Germany:</b> PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today's Germany. <i>Occasional.</i>



## UCF Courses and Descriptions

**GEW 3100 CAH-LANG 3(3,0)**  
**Survey of German Literature I:** PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. *Occasional.*

**GEW 3101 CAH-LANG 3(3,0)**  
**Survey of German Literature II:** PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. *Occasional.*

**GEW 3370 CAH-LANG 3(3,0)**  
**Short Story:** PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. *Occasional.*

**GEW 3480 CAH-LANG 3(3,0)**  
**German Post-War Literature:** PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. *Occasional.*

**GEW 4482 CAH-LANG 3(3,0)**  
**German Children's Literature:** PR: GER 2200. A look into the history of German children's literature with a concentration on works after World War II. *Occasional.*

**GEW 4531 CAH-LANG 3(3,0)**  
**The Age of Goethe and Schiller:** PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. *Occasional.*

**GEY 3001 HPA-SOWK 3(3,0)**  
**Gerontology: An Interdisciplinary Overview:** PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. *Fall.*

**GEY 3326H COS-PSYCH 3(3,0)**  
**Honors Images of Aging:** PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. *Occasional.*

**GEY 5007 CON-NURS 3(3,0)**  
**Women and Healthy Aging:** PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. *Spring.*

**GEY 5600 ED-CFCS 3(3,0)**  
**Physiology of Aging:** PR: BSC 2010C or PCB 3703C or PET 4351C or equivalent. The purpose of this course is to develop the student's understanding of the effects of human aging on various body systems. *Occasional.*

**GEY 5648 HPA-SOWK 3(3,0)**  
**Gerontology: An Interdisciplinary Approach:** PR: Graduate status or senior standing or C.I. The study of aging will be presented from an interdisciplinary and multidisciplinary approach spanning the social sciences and health. *Occasional.*

**GIS 3043C UGST-INTERDISC 3(2,2)**  
**GIS for Environmental Studies:** PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. *Odd Fall.*

**GIS 4035C ECS-CECE 3(2,2)**  
**Remote Sensing of the Environment:** PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. *Occasional.*

**GIS 4301C UGST-INTERDISC 4(2,2)**  
**Advanced GIS Applications in Environmental Studies:** PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. *Occasional.*

**GLY 1030 COS-CHEM 3(3,0)**  
**Geology and its Applications:** Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. *Fall, Spring.*

**GRA 2101C CAH-SVAD 3(2,4)**  
**Introduction to Computer Art:** PR: ART 2823 or C.I. Priority given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. *Fall, Spring.* M&S fee \$15.00

**GRA 2101H CAH-SVAD 3(2,4)**  
**Honors Introduction to Computer Art:** PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. *Occasional.* M&S fee \$15.00

**GRA 2111C CAH-SVAD 3(2,4)**  
**Graphic Design I:** PR: ART 2201C. Basic principles, concepts, and techniques in graphic design and art for visual publication. *Occasional.* M&S fee \$15.00

**GRA 2140C CAH-SVAD 3(2,4)**  
**Computer Graphic Design:** PR: Acceptance in Graphic Design Concentration, GRA 3102C, ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Problems involving the use of computer graphic systems for visual publication. *Occasional.* M&S fee \$15.00

**GRA 2151C CAH-SVAD 3(2,4)**  
**Illustration:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Pictorial and representational illustration using various media and techniques. *Occasional.*

**GRA 2190C CAH-SVAD 3(2,4)**  
**Design in Advertising:** PR: ART 2201C. Principles and techniques. Not open to art majors specializing in graphic design. Intended for visual arts education majors and general university elective. *Occasional.* M&S fee \$5.00

**GRA 3102C CAH-SVAD 3(2,4)**  
**Intermediate Graphic Design I:** PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Methods related to studio projects in graphic design. *Fall.* M&S fee \$15.00

**GRA 3112C CAH-SVAD 3(2,4)**  
**Intermediate Graphic Design II:** PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C and a satisfactory portfolio review or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. *Spring.* M&S fee \$43.50

**GRA 3202C CAH-SVAD 3(2,4)**  
**Type & Design:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. *Fall, Odd Spring.* M&S fee \$15.00

**GRA 3747 CAH-SVAD 3(3,0)**  
**Intermediate Illustration I:** PR: Satisfactory Sophomore Portfolio Review. Techniques, production processes, media and materials used to create illustration for works utilizing sequential visual narrative. *Even Fall.* M&S fee \$45.00

**GRA 3803C CAH-SVAD 3(2,4)**  
**Intermediate Computer Graphic Design:** PR: Acceptance in Graphic Design specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2140C, and a satisfactory portfolio review or C.I. The use of computer graphic systems for electronic publication. *Fall.*

**GRA 3950 CAH-SVAD 0(0,0)**  
**Graphic Design Portfolio Application:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2101C, ARH 2050, ARH 2051. Portfolio application for students entering the SVAD Graphic Design program. Graded S/U. *Spring.*

**GRA 4119C CAH-SVAD 3(2,4)**  
**Packaging Design and Display Systems:** PR: Acceptance in Graphic Design Concentration and GRA 3102C. The visual concepts of packaging design and display systems. Exploration of materials, structures, function and semantic aspects of the packaging industry. *Occasional.*

**GRA 4154C CAH-SVAD 3(2,4)**  
**Advanced Illustration:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, GRA 2151C, and a satisfactory portfolio review or C.I. Illustration problems involving the use of advanced level techniques in illustration media. May be repeated for credit. *Occasional.* M&S fee \$45.00

**GRA 4196C CAH-SVAD 3(2,4)**  
**Advanced Graphic Design:** PR: Acceptance in Graphic Design Specialization, ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C, GRA 3112C, GRA 3803C, GRA 2151C or ART 3332C, and a satisfactory portfolio review, or C.I. Practical studio problems, with emphasis on organization of visual design elements. *Fall.* M&S fee \$43.50

**GRA 4197C CAH-SVAD 3(2,4)**  
**Special Problems in Graphic Design:** PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C, GRA 3112C, GRA 3803C, GRA 4196C, GRA 2151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review, or C.I. Advanced problems in visual design and reproduction. May be repeated for credit. *Spring.* M&S fee \$15.00

**GRA 4802C CAH-SVAD 3(2,4)**  
**Advanced Computer Graphic Design:** PR: Acceptance in Graphic Design Specialization and ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C, GRA 3102C, GRA 3112C, GRA 3803C, GRA 4196C, GRA 2151C or ART 3332C, GRA 4154C or ART 4320C, and a satisfactory portfolio review or C.I. Problems involving the use of advanced computer graphic systems for electronic publication. *Odd Fall.* M&S fee \$15.00

**GRE 1120H CAH-LANG 4(4,0)**  
**Elementary Greek Language and Civilization I:** PR: Permission of Honors. Introduces students to Classical Greek Literature and civilization through the study of grammar and syntax and extensive readings of Greek texts. *Occasional.*

**GRE 1121H CAH-LANG 4(4,1)**  
**Elementary Greek Language and Civilization II:** PR: GRE 1120H and permission of Honors. Continuation of Elementary Greek I. *Occasional.*

**GRE 2220H CAH-LANG 4(4,0)**  
**Introduction to Greek Literature:** PR: GRE 1121H and permission of Honors. Readings in selected original Greek texts, e.g., Plato's apology. May be repeated for credit. *Occasional.*

**HAI 1120 CAH-LANG 4(4,0)**  
**Elementary Haitian Language and Culture I:** Introduction to Haitian culture through the major language skills: listening, speaking, reading and writing. *Occasional.*

**HAI 1121 CAH-LANG 4(4,0)**  
**Elementary Haitian Language and Culture II:** PR: HAI 1120. A continuation of HAI 1120. *Occasional.*

**HBR 1120 CAH-JUD 4(4,0)**  
**Elementary Modern Hebrew Language and Culture I:** Designed to initiate the student to the major language skills: listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. *Fall.*

**HBR 1121 CAH-JUD 4(4,0)**  
**Elementary Modern Hebrew Language and Culture II:** PR: HBR 1120 or equivalent. Continuation of HBR 1120. *Spring.*

**HBR 2200 CAH-JUD 3(3,0)**  
**Intermediate Modern Hebrew I:** PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. *Occasional.*

**HBR 2201 CAH-JUD 3(3,0)**  
**Intermediate Modern Hebrew II:** PR: HBR 2200. Further development of modern Hebrew language skills in listening, speaking, reading, and writing. *Occasional.*

**HBR 3250 CAH-JUD 3(3,0)**  
**Biblical Hebrew:** PR: HBR 1121 or C.I. Grammatical and syntactical structure of Biblical Hebrew. *Occasional.*



## UCF Courses and Descriptions

<b>HBR 3410</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Conversational Israeli Hebrew:</b> PR: HBR 1120, HBR 1121 or equivalent, C.I. Study and practice of contemporary conversational Israeli Hebrew. <i>Occasional.</i>
<b>HFT 1000</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Introduction to the Hospitality and Tourism Industry:</b> An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. <i>Fall, Spring.</i>
<b>HFT 2220</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Hospitality Human Resources Management:</b> Application of strategic principles of human resources to the hospitality tourism setting. <i>Fall, Spring.</i>
<b>HFT 2254</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Lodging Operations:</b> PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. <i>Fall, Spring.</i>
<b>HFT 2401</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Hospitality Industry Financial Accounting:</b> Basic understanding of financial accounting and specifically hospitality industry accounting concepts and procedures used in hotels, restaurants and clubs. <i>Fall, Spring.</i>
<b>HFT 2500</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Hospitality and Tourism Marketing:</b> PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. <i>Fall, Spring.</i>
<b>HFT 2750</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>The Event Industry:</b> Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. <i>Fall, Spring.</i>
<b>HFT 3263</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Restaurant Management:</b> 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. <i>Fall, Spring.</i>
<b>HFT 3273</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Principles of Resort Timesharing:</b> PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. <i>Fall, Spring.</i>
<b>HFT 3285</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>International Restaurant Corporation Management:</b> PR: HFT 3263. The specific principles of managing a restaurant corporation in the international foodservice marketplace. <i>Occasional.</i>
<b>HFT 3323</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Hospitality Physical Plant Management:</b> PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. <i>Spring.</i>
<b>HFT 3353</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Golf Planning &amp; Operations I:</b> Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. <i>Occasional.</i>
<b>HFT 3354</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Agronomy for Golf Course Management:</b> PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. <i>Occasional.</i>
<b>HFT 3357</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Golf &amp; Club Event Operations:</b> PR: HFT 1000; HFT 2500. Develop, plan, and organize golf tournaments of all types. <i>Occasional.</i>
<b>HFT 3373</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Event Design, Production &amp; Technology:</b> PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. <i>Fall, Spring.</i>
<b>HFT 3374</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Multi Media Applications in Exhibitions:</b> PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. <i>Occasional.</i>
<b>HFT 3384</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Golf and Club Enterprises Management:</b> 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. <i>Occasional.</i>
<b>HFT 3431</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Hospitality industry Managerial Accounting:</b> PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. <i>Fall, Spring.</i>
<b>HFT 3443</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Event Technology:</b> PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. <i>Occasional.</i>
<b>HFT 3444</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Hospitality Information Systems:</b> PR: CGS 2100C, HFT 2254, and HFT 3263; or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. <i>Fall, Spring.</i>
<b>HFT 3512</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Event Promotion:</b> PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. <i>Occasional.</i>
<b>HFT 3515</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Reservations Sales &amp; Marketing:</b> PR: HFT 1000; HFT 2500 or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. <i>Odd Fall.</i>
<b>HFT 3517</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Convention and Conference Sales:</b> PR: HFT 2750, HFT 2500 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. <i>Fall.</i>
<b>HFT 3519</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Event Services:</b> PR: HFT 2750 or C.I. In-depth understanding of the acquisition and management of services integral to successful events, including conventions, conferences and catered functions. <i>Fall, Spring.</i> M&S fee \$32.00
<b>HFT 3523</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Event Sales:</b> PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. <i>Fall, Spring.</i>
<b>HFT 3540</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Guest Services Management I:</b> PR: Junior standing or C.I. The study of making decisions from the guest's point of view in the hospitality industry. <i>Fall, Spring.</i>
<b>HFT 3574</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Food Service Marketing Advertising and Promotion Management:</b> PR: HFT 2500 and HFT 3263. Covers pricing, promotion, menu and product development. <i>Occasional.</i>
<b>HFT 3603</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Legal Environment in the Hospitality and Tourism Industry:</b> PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. <i>Fall, Spring.</i>
<b>HFT 3610</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Law and Restaurant Management:</b> PR: HFT 3603 and HFT 3263. Emphasis on regulatory, case and administrative law. Compliance, prevention, and remedial actions are stressed. <i>Occasional.</i>
<b>HFT 3654</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Franchising in the Restaurant Industry:</b> PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. <i>Fall.</i>
<b>HFT 3670</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Hospitality and Event Risk Management:</b> PR: HFT 1000 and HFT 2750; or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. <i>Occasional.</i>
<b>HFT 3700</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Tourism Management:</b> PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. <i>Fall, Spring.</i>
<b>HFT 3741</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Meeting Management:</b> PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. <i>Fall, Spring.</i>
<b>HFT 3770</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Cruise Line Operations and Management:</b> PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. <i>Occasional.</i>
<b>HFT 3785</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Management of Gaming Enterprises:</b> PR: Junior level 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. <i>Occasional.</i>
<b>HFT 3792</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Event Design and Production:</b> 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. <i>Occasional.</i>
<b>HFT 3798</b>	<b>RCHM-TEA</b>	<b>3(3,0)</b>	<b>Fairs and Festivals:</b> PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. <i>Occasional.</i>
<b>HFT 3807</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>Multi-Unit Food Service Operations:</b> PR: HFT 1000 and junior standing or C.I. The strategy and managerial aspects of chain restaurant management, including organization development, brand building, and industry segments. <i>Spring.</i>
<b>HFT 3834</b>	<b>RCHM-HSP SERV</b>	<b>3(3,0)</b>	<b>Topics in Restaurant and Foodservice Management:</b> PR: HFT 3263 and FSS 2221C. Guest lecture series covering contemporary issues in the various segments of the foodservice industry. <i>Odd Spring.</i>
<b>HFT 3868</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>	<b>History and Culture of Wine:</b> PR: World History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. <i>Fall, Spring.</i> M&S fee \$45.00
<b>HFT 3933</b>	<b>RCHM-RCHM</b>	<b>1(1,0)</b>	<b>Distinguished Lectures in Hospitality Management:</b> PR: HFT 1000. Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. <i>Fall, Spring.</i>
<b>HFT 3949</b>	<b>RCHM-RCHM</b>	<b>0-5(0,1-5)</b>	<b>Cooperative Education:</b> Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. <i>Fall, Spring.</i>
<b>HFT 4206C</b>	<b>RCHM-HOS</b>	<b>3(3,1)</b>	<b>Hospitality Operations:</b> 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. <i>Occasional.</i>

## UCF Courses and Descriptions

**HFT 4253 RCHM-HOS 3(3,0)**  
**Hotel Operations:** PR: HFT 2401, HFT 2500, HFT 3444, HFT 3603 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 4269 RCHM-HOS 3(3,0)**  
**Case Studies in Multi-Unit Restaurant Management:** PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. *Occasional.*

**HFT 4274 RCHM-HOS 3(3,0)**  
**Resort Management:** PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. *Occasional.*

**HFT 4275 RCHM-HOS 3(3,0)**  
**Development of Vacation Ownership Resorts:** PR: HFT 3273 and HFT 4473 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. *Occasional.*

**HFT 4277 RCHM-TEA 3(3,0)**  
**Yacht, Country, And City Club Management:** PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. *Fall.*

**HFT 4281 RCHM-HOS 3(3,0)**  
**Restaurant Leadership Strategies and Tactics:** PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. *Fall, Spring.*

**HFT 4284 RCHM-HOS 3(3,0)**  
**Training and Employee Performance in the Foodservice Industry:** PR: HFT 2220; HFT 3540; HFT 4266; HFT 4268; HFT 4343; FSS 3124; FSS 4135. Teaching and training methodologies relative to the service positions in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. *Occasional.*

**HFT 4286 RCHM-HSP SERV 3(3,0)**  
**Hospitality Communications:** PR: HFT 1000; HFT 2220; FSS 2221C; 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 inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. *Fall, Spring.*

**HFT 4295 RCHM-HSP SERV 3(3,0)**  
**Leadership and Strategic Management in Hospitality Industry:** PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. *Fall, Spring.*

**HFT 4298 RCHM-HSP SERV 3(3,0)**  
**Hospitality Business Consulting:** PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation. *Occasional.*

**HFT 4343 RCHM-HSP SERV 3(3,0)**  
**Hospitality Facilities Planning and Design:** PR: HFT 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 4358 RCHM-TEA 3(3,0)**  
**Golf & Club Facility Design:** PR: HFT 4277. Golf course and golf facility design from a functional perspective and from a perspective of form. *Occasional.*

**HFT 4375 RCHM-TEA 3(3,0)**  
**Advanced Trade Show Management:** PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. *Occasional.*

**HFT 4413 RCHM-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 4425 RCHM-HSP SERV 3(3,0)**  
**Financial Analysis for Restaurant Managers:** PR: HFT 2401, HFT 3431, and HFT 3263. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. *Occasional.*

**HFT 4432 RCHM-HSP SERV 3(3,0)**  
**Hospitality Industry Auditing:** PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. *Occasional.*

**HFT 4442 RCHM-HOS 3(3,0)**  
**Vacation Ownership Reservations and Database Systems:** PR: HFT 1000, HFT 3273, HFT 4522, HFT 4274 or C.I. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. *Occasional.*

**HFT 4457 RCHM-HSP SERV 3(3,0)**  
**Food, Beverage, and Labor Cost Controls:** PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. *Fall, Even Spring.*

**HFT 4464 RCHM-HSP SERV 3(3,0)**  
**Hospitality Industry Finance:** PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. *Odd Fall, Odd Spring.*

**HFT 4468 RCHM-HSP SERV 3(3,0)**  
**Hospitality Industry Revenue Management:** PR: HFT 2254 and HFT 3431. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. *Fall, Spring.*

**HFT 4473 RCHM-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 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. *Fall.*

**HFT 4561 RCHM-TEA 3(3,0)**  
**Destination Marketing:** PR: HFT 2500 and HFT 3700. Development of destination-oriented marketing goals and strategies with an emphasis on integrated destination marketing. Covers trends and challenges influencing destination marketing. *Occasional.*

**HFT 4614 RCHM-TEA 3(3,0)**  
**Risk Management in Theme Parks and Attractions:** PR: HFT 4755 and HFT 3603; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. *Occasional.*

**HFT 4645 RCHM-HOS 3(3,0)**  
**Restaurant Real Estate, Site Selection, and Modeling:** PR: Hospitality and Restaurant Management Cores or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. *Occasional.*

**HFT 4722 RCHM-TEA 3(3,0)**  
**Travel Agency Management:** PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. *Occasional.*

**HFT 4732 RCHM-TEA 3(3,0)**  
**Tourism Impact Analysis:** PR: HFT 3700. Quantitative impact analysis 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 the World. *Fall, Spring.*

**HFT 4736 RCHM-TEA 3(3,0)**  
**Destination Management:** PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. *Occasional.*

**HFT 4753 RCHM-TEA 3(3,0)**  
**Convention and Conference Services:** PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. *Spring.*

**HFT 4754 RCHM-TEA 3(3,0)**  
**Exhibit and Trade Show Operations:** PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. *Fall, Spring.*

**HFT 4755 RCHM-TEA 3(3,0)**  
**Theme Park and Attraction Management:** PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, 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.*

**HFT 4762 RCHM-TEA 3(3,0)**  
**Current Practices in the Airline Industry:** PR: Junior standing. A survey of the U.S. and International airline industry. Emphasis on the organization and management functions of the airlines. *Occasional.*

## UCF Courses and Descriptions

**HFT 4786 RCHM-TEA 3(3,0)**  
**Managing the Guest Experience in the Theme Park and Attraction Industry:** PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. *Spring.*

**HFT 4787 RCHM-TEA 3(3,0)**  
**Operational Issues in the Theme Park and Attraction Industry:** PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. *Fall.*

**HFT 4791 RCHM-TEA 3(3,0)**  
**Event Management II:** PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3757. Capstone course in event management. Students produce an event that has been planned in HFT 3757. *Occasional.* M&S fee \$65.00

**HFT 4795 RCHM-TEA 3(3,0)**  
**Entertainment Arts and Events:** PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, costuming, staffing, and evaluation. *Fall, Spring.*

**HFT 4796 RCHM-TEA 3(3,0)**  
**International Events:** PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. *Occasional.*

**HFT 4802 RCHM-TEA 3(3,0)**  
**Catering Management:** PR: HFT 3443, HFT 3670, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. *Fall, Spring.* M&S fee \$45.00

**HFT 4844 RCHM-HOS 3(3,0)**  
**Sanitation in the Food Service Industry:** PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. *Occasional.*

**HFT 4861C RCHM-HOS 3(3,1)**  
**Beverage Management:** PR: Minimum age of 21 by the first day of class and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. *Spring.* M&S fee \$45.00

**HFT 4864 RCHM-HOS 3(3,0)**  
**Seminar in Quality Brewing and Fine Beer:** PR: HFT 1000, HFT 3263. Minimum age of 21. The production and service of malt beverages. *Spring.* M&S fee \$45.00

**HFT 4865 RCHM-HOS 3(3,0)**  
**Advanced Wine Management:** PR: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. *Occasional.* M&S fee \$45.00

**HFT 4866C RCHM-HOS 3(3,1)**  
**Exploring Wines of the World:** PR: HFT 1000; HFT 3263; and Age of 21; or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. *Odd Fall, Even Spring.* M&S fee \$70.00

**HFT 4894 RCHM-HOS 3(3,0)**  
**International Gastronomy:** PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. *Spring.*

**HFT 4949 RCHM-RCHM 0-5(0,1-5)**  
**Cooperative Education:** Provides paid, pre-professional work experience related to the students' major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. *Fall, Spring.*

**HIM 3006 HPA-HMI 3(3,0)**  
**Foundations of Health Information Management (HIM):** PR: ENC 1102. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. *Fall, Spring.*

**HIM 3116C HPA-HMI 4(3,2)**  
**Health Record Organization and Management:** PR: HIM 3006 and acceptance into the upper-division limited access HIM program; or C.I. Nomenclatures/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. *Spring.*

**HIM 3806C HPA-HMI 3(1,4)**  
**Professional Practice Experience I:** PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. *Fall, Spring.*

**HIM 4226C HPA-HMI 5(3,4)**  
**Coding Procedures I:** PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM; DRGs; encoders. *Fall, Spring.*

**HIM 4256C HPA-HMI 3(2,2)**  
**Coding Procedures II:** PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS; APCs; encoders. *Fall.*

**HIM 4344C HPA-HMI 4(3,2)**  
**Health Information Department Management:** PR: HIM 3116C; HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification; equipment selection; ergonomics and space planning. *Fall.*

**HIM 4508C HPA-HMI 3(2,2)**  
**Quality Management:** PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. *Fall, Spring.*

**HIM 4656C HPA-HMI 3(2,2)**  
**Health Information Management Systems:** PR: or CR: HIM 3006. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. *Fall, Spring.*

**HIM 4676 HPA-HMI 3(3,0)**  
**Professional Development and Issues in Health Information Management:** PR: HIM 4344C, HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. *Spring.*

**HIM 4816C HPA-HP 3(1,4)**  
**Professional Practice Experience II:** PR: HIM 3806C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Transcription; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. *Fall, Spring.*

**HIM 4838 HPA-HMI 5(0,15)**  
**Management Affiliation:** PR: or CR: HIM 4676 and HIM 4816C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. *Fall, Spring.*

**HIM 5118C HPA-HMI 4(3,1)**  
**Health Care Informatics and Information Technology:** PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informatics will be explored. *Fall.*

**HIS 3462 CAH-HIST 3(3,0)**  
**History of Science:** PR: EUH 2000 and EUH 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. *Occasional.*

**HIS 3949 CAH-HIST 0(0,8)**  
**Cooperative Education in History:** PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. *Occasional.*

**HIS 4070 CAH-HIST 3(3,0)**  
**Oral History:** PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. *Occasional.*

**HIS 4150 CAH-HIST 3(3,0)**  
**History and Historians:** PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. *Fall, Spring.*

**HIS 4323 CAH-HIST 3(3,0)**  
**History of the Future:** PR: EUH 2000 and EUH 2001. Past visions of the future and how they were influenced by issues relevant to the period. Emphasis on 19th and 20th centuries. *Occasional.*

**HIS 4490 CAH-HIST 3(3,0)**  
**History of Medicine:** PR: AMH 2010 or AMH 2020. The history of medicine and its relationship to culture and society from the Ancient World to the present. *Occasional.*

**HIS 4935 CAH-HIST 3(3,0)**  
**Senior Seminar:** PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. *Fall, Spring.*

**HIS 4944 CAH-HIST 3(3,0)**  
**Internship in Public History:** PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. *Fall, Spring.*

**HIS 4970 CAH-HIST 3(3,0)**  
**Senior Thesis:** Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. *Occasional.*

**HIS 4970H CAH-HIST VAR**  
**UNDERGRADUATE HONORS THESIS:** Graded S/U or Letter grade. *Occasional.*

**HIS 5067 CAH-HIST 3(3,0)**  
**Introduction to Public History:** PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. *Occasional.*

**HIS 5158 CAH-HIST 3(3,0)**  
**Classic and Contemporary Historical Thought:** PR: Graduate status or senior standing or C.I. Course will explore work of important historians influenced by social theory to gain an understanding of their main concepts. *Occasional.*

**HLP 2701 ED-TL&L 3(3,0)**  
**Peer Education Training:** PR: Sophomore standing and C.I. Strategies for teaching life skills and health education information for secondary students and college age peers. *Fall, Spring.*

**HLP 4722 ED-TL&L 1(1,0)**  
**Teaching Elementary School Health and Physical Education:** PR: EDF 2005; CR: ARE 4313, MUE 3210, RED 4519, MAE 4326, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. *Fall, Spring.*

**HSA 3012 HPA-HP 3(3,0)**  
**Issues & Trends in Public Health:** PR: Sophomore standing and (CGS 1060C or CGS 2100C). The American public health system, looking at the historical, present day, and future organization and management of all its components. *Occasional.*

**HSA 3111 HPA-HP 3(3,0)**  
**U.S. Health Care Systems:** PR: (CGS 1060C or CGS 2100C) and Sophomore Standing. A survey of the economics, social, and political aspects of the health care system in the United States. *Fall, Spring.*

**HSA 3111H HPA-HP 3(3,0)**  
**U.S. Health Care Systems Honors:** PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. With Honors content. *Occasional.*

## UCF Courses and Descriptions

<b>HSA 3170</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Health Care Finance:</b> PR: HSA majors - PR: or CR: HSA 3111 and PR: ACG 2021 and ACG 2071; non-HSA majors: ACG 2021 and ACG 2071. Budgeting and resource allocation related to health care agencies. <i>Fall, Spring.</i>
<b>HSA 3222</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Long Term Care and Administration:</b> PR: HSA major and Sophomore standing, or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. <i>Even Fall, Spring.</i>
<b>HSA 3430</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Health Care Economics:</b> PR: HSA 3111; ECO 2023; or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. <i>Fall, Spring.</i>
<b>HSA 4109</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Principles of Managed Care:</b> PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. <i>Even Fall, Spring.</i>
<b>HSA 4150H</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Honors Health Care Policy:</b> 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. <i>Occasional.</i>
<b>HSA 4180</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Organization &amp; Management for Health Agencies I:</b> PR: HSA 3111 or admitted to HIM program. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. <i>Fall, Spring.</i>
<b>HSA 4184</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Organization &amp; Management for Health Agencies II:</b> PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. <i>Fall.</i>
<b>HSA 4191</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Health Care Automation:</b> PR: HSA 3111; CGS 2100C, or CGS 1060C; or C.I. Analysis and design of computerized systems for health data and health administration. <i>Fall, Spring.</i>
<b>HSA 4220</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Long Term Patient Management:</b> PR: HSA 3111. Concepts and process of patient care planning and management in a long term care facility. <i>Occasional.</i>
<b>HSA 4502</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Risk Management Systems:</b> 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. <i>Fall, Spring.</i>
<b>HSA 4701</b>	<b>HPA-COM SC&amp;DIS</b>	<b>6(6,0)</b>	<b>Introduction to Research in the Health Professions:</b> PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will be stressed. <i>Occasional.</i>
<b>HSA 4702</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Health Sciences Research Methods:</b> PR: (STA 2014C or STA 2023) and Junior Standing, or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. <i>Fall, Spring.</i>
<b>HSA 4850</b>	<b>HPA-HMI</b>	<b>VAR</b>	<b>Health Services Administration Internship:</b> PR: 2.5 UCF GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization. <i>Fall, Spring.</i>
<b>HSA 4939</b>	<b>HPA-HMI</b>	<b>3(3,0)</b>	<b>Health Services Administration Capstone:</b> 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. <i>Fall, Spring.</i>
<b>HSA 5177</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Foundations of Health Care Finance:</b> 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. <i>Occasional.</i>
<b>HSA 5198</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Health Care Decision Sciences and Knowledge Management:</b> PR: STA 5206 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. <i>Occasional.</i>
<b>HSA 5257</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>ICD9 Coding for Health Services Administrators:</b> PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. <i>Occasional.</i>
<b>HSA 5258</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>CPT Coding for Health Services Administrators:</b> PR: HSC 6636 or C.I. or BS in health-related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. <i>Occasional.</i>
<b>HSC 1931C</b>	<b>HPA-HPA</b>	<b>2(1,1)</b>	<b>Foundations of Leadership:</b> PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. <i>Occasional.</i>
<b>HSC 2000</b>	<b>HPA-HP</b>	<b>2(2,0)</b>	<b>Introduction to the Allied Health Professions:</b> 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. <i>Fall.</i>
<b>HSC 2100</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>US Healthcare: Introduction and Challenges:</b> Healthcare in the US as a dynamic enterprise: the professionals, array of services and the social and economic forces affecting their performance. <i>Occasional.</i>
<b>HSC 2921</b>	<b>HPA-HPA</b>	<b>2(2,0)</b>	<b>LEAD Colloquium:</b> PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGN 1036C, IDS 1040C, GEB 1091C or EDG 1005C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. <i>Occasional.</i>
<b>HSC 3110</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Medical Self Assessment:</b> PR: ENC 1101 and MGF 1106. Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. <i>Fall, Spring.</i>
<b>HSC 3147</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Introduction to Pharmacology:</b> Review of terminology and regulations. Study of drug types and usage. <i>Fall, Spring.</i>
<b>HSC 3211</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Preventive Health Care:</b> PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. <i>Fall, Spring.</i>
<b>HSC 3406C</b>	<b>HPA-HP</b>	<b>3(2,3)</b>	<b>CPR &amp; First Aid:</b> To train individuals to accepted and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. <i>Occasional.</i>
<b>HSC 3432</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Occupational Safety for the Health Care Professional:</b> PR: ZOO 3733C and PCB 3703C. Issues surrounding the health care environment and the risks associated with working there. <i>Fall, Spring.</i>
<b>HSC 3537</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Medical Terminology:</b> A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. <i>Fall, Spring.</i>
<b>HSC 3559</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>Disabilities in American Society:</b> 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. <i>Fall.</i>
<b>HSC 3593</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>HIV Disease: A Human Concern:</b> Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. <i>Fall, Spring.</i>
<b>HSC 3640</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Health Law:</b> PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. <i>Fall, Spring.</i>
<b>HSC 4008</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Professional Development in Health Professions:</b> PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. <i>Fall, Spring.</i>
<b>HSC 4158</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Medical Pharmacology I:</b> PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of cardiopulmonary drug classes. <i>Fall.</i>
<b>HSC 4159</b>	<b>HPA-HP</b>	<b>2(2,0)</b>	<b>Medical Pharmacology II:</b> PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. <i>Spring.</i>
<b>HSC 4201</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Community Health:</b> PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. <i>Fall, Spring.</i>
<b>HSC 4243</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Analysis of Instruction in Health Professions:</b> Development of teaching aids, audiovisuals, learning packets. Course development, questioning strategies, evaluation of didactic and clinical performance. <i>Spring.</i>
<b>HSC 4500</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Epidemiology:</b> PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. <i>Fall, Spring.</i>
<b>HSC 4501</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Epidemiology of Chronic Diseases:</b> PR: HSC 4555, HSC 4558, and either STA 2014C or STA 2023. Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. <i>Fall, Spring.</i>
<b>HSC 4555</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Pathophysiology I:</b> 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. <i>Fall, Spring.</i>
<b>HSC 4558</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Pathophysiology II:</b> 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. <i>Fall, Spring.</i>

## UCF Courses and Descriptions

<b>HSC 4564</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>HUM 3320</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4303</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Health Care Needs of the Elderly:</b> PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. <i>Fall, Spring.</i>			<b>Contemporary Multicultural Studies:</b> PR: HUM 2230, Junior standing, or C.I. Studies the confluence of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. <i>Even Fall.</i>			<b>The Spiritual Ideal:</b> PR: HUM 2210 and HUM 2230 or C.I. Exploration of philosophical and religious perspectives concerning secular forms of spirituality from ancient to contemporary periods; critical interrogation of the relationship between religion and spirituality. <i>Occasional.</i>		
<b>HSC 4572</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>HUM 3394</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4330</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Clinical Nutrition:</b> PR: HUN 2002. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. <i>Fall, Spring.</i>			<b>Representations of Place and Space:</b> PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. <i>Occasional.</i>			<b>Performance Theory:</b> PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2011, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performatives, bodily and virtual performances, self-identity, and the politics of performance. <i>Occasional.</i>		
<b>HSC 4652</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>HUM 3401</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4393</b>	<b>CAH-PHIL</b>	<b>1(1,0)</b>
<b>Health Law and Ethics:</b> 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. <i>Fall, Spring.</i>			<b>Asian Humanities:</b> PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. <i>Occasional.</i>			<b>Portfolio:</b> PR: Last semester as Humanities major. Presentation of a representative sampling of student's best undergraduate work, with appropriate revisions, including a cover narrative indicating development of humanistic knowledge and skills. Graded S/U. <i>Fall, Spring.</i>		
<b>HSC 4730</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>HUM 3417</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4554</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Applied Health Research Methodology:</b> PR: (STA 2023 or STA 2014C) and HSA 4702 and Senior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights. <i>Fall, Spring.</i>			<b>Hindu Thought and Culture:</b> PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art and music. <i>Occasional.</i>			<b>Religious Quest and Human Dilemma:</b> PR: ENC 1102 or C.I. Critical examination of quests for meaning and value as articulated by religious philosophers dealing with existential questions; emphasizes problems of truth, knowledge, faith and belief. <i>Occasional.</i>		
<b>HSC 5317</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>HUM 3419</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4556</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Health Methods: Teaching Strategies and Interventions:</b> PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. <i>Occasional.</i>			<b>Islamic Thought and Culture:</b> PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. <i>Occasional.</i>			<b>Religion and the Arts:</b> PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with emphasis on the contemporary. <i>Occasional.</i>		
<b>HSC 5595</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>HUM 3419H</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4823</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>AIDS: A Human Concern:</b> Focus on epidemiology, transmission, prevention, legal and health care issues, economic impact, psychosocial aspects, sexuality, substance abuse, ethics, hotlines, referral services and the decision making process. <i>Occasional.</i>			<b>Honors Islamic Thought and Culture:</b> PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. <i>Occasional.</i>			<b>Queer Theory in the Humanities:</b> PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. <i>Occasional.</i>		
<b>HUM 2020</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3423</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 4933</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Encountering the Humanities:</b> The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. <i>Spring.</i>			<b>African Humanities:</b> PR: HUM 2230, HUM 3320, or C.I. Contemporary art, culture, and philosophy in selected African countries. <i>Occasional.</i>			<b>Senior Research Seminar:</b> PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. <i>Occasional.</i>		
<b>HUM 2210</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3431</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 5802</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Humanistic Tradition I:</b> An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. <i>Fall, Spring.</i>			<b>Ancient Humanities:</b> PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. <i>Occasional.</i>			<b>Applied Contemporary Humanities:</b> PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. <i>Occasional.</i>		
<b>HUM 2210H</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3435</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 5803</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>
<b>Honors Humanistic Tradition I:</b> PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. <i>Fall.</i>			<b>Medieval Humanities:</b> PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. <i>Occasional.</i>			<b>Theories and Methods of the Humanities:</b> PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. <i>Fall.</i>		
<b>HUM 2230</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3460</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUN 2002</b>	<b>HPA-HP</b>	<b>3(3,0)</b>
<b>Humanistic Tradition II:</b> An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. <i>Fall, Spring.</i>			<b>Latin American Humanities:</b> PR: HUM 2210 or HUM 2230. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. <i>Occasional.</i>			<b>Modern Concepts in Nutrition:</b> An examination of the eating patterns of today's American people. Topics include: nutrients in our diets, consumer demand in the food industry; fast food outlets, food trends and hunger. <i>Fall, Spring.</i>		
<b>HUM 2230H</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3552</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUN 3011</b>	<b>CON-NURS</b>	<b>3(3,0)</b>
<b>Honors Humanistic Tradition II:</b> PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. <i>Spring.</i>			<b>Christian Thought:</b> PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. <i>Occasional.</i>			<b>Human Nutrition:</b> PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. <i>Fall, Spring.</i>		
<b>HUM 3252</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3553</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUN 3013</b>	<b>RCHM-HOS</b>	<b>3(3,0)</b>
<b>Contemporary Humanities:</b> PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. <i>Occasional.</i>			<b>Moses, Jesus and Muhammad:</b> PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. <i>Occasional.</i>			<b>Nutrition Concepts and Issues in the Food Service Industry:</b> PR: FSS 2221C or C.I. Introduces basic nutrition concepts. Discusses nutrition concepts and concerns in relation to food preparation and service in the hospitality industry. <i>Occasional.</i>		
<b>HUM 3255</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUM 3800</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>HUN 5247</b>	<b>HPA-HP</b>	<b>3(3,0)</b>
<b>Modern Humanities:</b> PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. <i>Occasional.</i>			<b>Research Methods in Humanities:</b> PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. <i>Occasional.</i>			<b>Principles of Human Nutrition:</b> Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. <i>Occasional.</i>		

## UCF Courses and Descriptions

**IDH 1920H BHC-HON 2(2,1)**  
**Honors Symposium I:** PR: Permission of Honors. Readings, lectures, discussions, and laboratories covering aspects of scholarship and service learning. Graded S/U. *Fall.*

**IDH 1921H BHC-HON 2(2,0)**  
**Honors Symposium II:** PR: IDH 1920H. Readings, lectures and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. *Spring.*

**IDH 1923H BHC-HON 2(2,1)**  
**Honors Foundation of Leadership:** PR: Permission of Honors. An honors symposium that presents academic leaders and their research or artistic achievements. Students are organized in groups to discuss leadership principles and applications. Graded S/U. *Occasional.*

**IDH 3600H CAH-PHIL 3(3,0)**  
**Honors Case Studies in Ethics:** PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. *Fall.*

**IDH 4030H BHC-HON 1(3,0)**  
**Honors Windows To The World:** PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduate school. Graded S/U. May be repeated for credit. *Occasional.*

**IDS 1040C COS-COMM 2(1,1)**  
**Foundations of Leadership:** PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. *Fall, Spring.*

**IDS 2042C COS-COS 2(1,1)**  
**LEAD Colloquium:** PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 1931C, EGN 1036C, EDG 1005, or EDF 1930C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. *Occasional.*

**IDS 3150 UGST-INTERDISC 3(3,0)**  
**Foundations of Environmental Studies:** PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. *Spring.*

**IDS 3180 HPA-PUB 3(3,0)**  
**Civic Engagement:** PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. *Even Fall, Even Spring.*

**IDS 3333 UGST-INTERDISC 3(3,0)**  
**World Comparative Studies:** PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. *Occasional.*

**IDS 3334 CAH-HIST 3(3,0)**  
**Topics in Latino Studies:** PR: ENC 1102. Multidisciplinary course exploring various topics pertaining to Latinos in the U.S. *Occasional.*

**IDS 3933 UGST-INTERDISC 3(3,0)**  
**Cornerstone Experience:** PR: ENC 1102, Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. *Fall, Spring.*

**IDS 4156 UGST-INTERDISC 3(3,0)**  
**Solving Environmental Problems:** PR: IDS 3150, ECP 4303, GIS 3043C, GIS 4301C and PUP 3203, or C.I. Capstone course in Environmental Studies focusing on how environmental dilemmas are addressed. *Occasional.*

**IDS 4204C ECS-ECS 3(2,2)**  
**Advanced Topics on Energy and Sustainability:** PR: Acceptance into the Energy and Sustainability Minor, Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability. Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. *Occasional.*

**IDS 4315 COS-POLS 3(3,0)**  
**Global Perspectives:** PR: Completion of general education requirements and Junior standing or C.I. The historical and contemporary contexts of globalization. *Spring.*

**IDS 4335 CAH-CAH 3(3,0)**  
**Latino Artistic Expressions:** PR: IDS 3334 or C.I. Latino culture as represented by the Arts in the United States. *Odd Spring.*

**IDS 4934 UGST-INTERDISC 3(3,0)**  
**Capstone Experience:** PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. *Fall, Spring.* M&S fee \$17.00

**IDS 4935 COS-SOC 3(3,0)**  
**Multidisciplinary Research Methods:** PR: McNair Scholar and Junior Standing. Research methods of various disciplines designed for McNair Program Scholars. *Occasional.*

**IDS 5127 COM-M&M 3(3,0)**  
**Foundation of Bio-Imaging Science:** PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. *Occasional.*

**IDS 5145 ECS-IEMS 3(3,2)**  
**Interdisciplinary Course in Simulation:** PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. *Occasional.*

**IDS 5717C COS-PSYCH 3(2,2)**  
**Introduction to Modeling and Simulation:** PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. *Fall.*

**IDS 5719 COS-PSYCH 3(3,0)**  
**Quantitative Aspects of Modeling and Simulation:** PR: MAC 2241 or equivalent. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. *Spring.*

**IDS 5915 CAH-PHIL 3(3,0)**  
**Research Methods in Cognitive Sciences:** PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. *Spring.*

**IDS 5936 CAH-PHIL 3(3,0)**  
**Topics in Cognitive Sciences:** PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, and behavioral capacities. *Fall.*

**INP 3004C COS-PSYCH 3(3,2)**  
**Industrial/Organizational Psychology:** PR: PSY 2012 or C.I. Psychological theories and principles applicable to problems in industrial organizations. *Fall.*

**INP 3004H COS-PSYCH 3(3,0)**  
**Honors Industrial/Organizational Psychology:** PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. *Occasional.*

**INP 3141C COS-PSYCH 1-3(0,3-9)**  
**Advanced Applied Psychology:** PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. *Fall, Spring.*

**INP 3951 COS-PSYCH 3(0,10)**  
**Industrial/Organizational Field Work:** PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. *Occasional.*

**INP 4252 COS-PSYCH 3(3,0)**  
**Advanced Industrial Psychology:** PR: INP 3004C and PSY 3213C. Application of psychological principles to industrial problems. Topics include selection, training, performance appraisal, job design, and work environment. *Occasional.*

**INP 4313 COS-PSYCH 3(3,0)**  
**Organizational Psychology:** PR: INP 3004C. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, inter-group behavior, and organization development. *Occasional.*

**INP 4380 COS-PSYCH 3(3,0)**  
**Psychology of Teamwork:** PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. *Occasional.*

**INP 5825 COS-PSYCH 3(3,0)**  
**Human-computer Interface (HCI) design: A team approach:** PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. *Occasional.*

**INR 2002 COS-POLS 3(3,0)**  
**International Relations-Theory and Practice:** Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. *Fall, Spring.*

**INR 3016 COS-POLS 3(3,0)**  
**Global Political Issues:** PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. *Occasional.*

**INR 3250 COS-POLS 3(3,0)**  
**Politics of Pan-Africanism:** PR: INR 2002. Political expressions of Pan-Africanism throughout the major regions of the African Diaspora. *Occasional.*

**INR 3253 COS-POLS 3(3,0)**  
**International Politics of Africa:** PR: Junior standing or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. *Occasional.*

**INR 4011 COS-POLS 3(3,0)**  
**Politics of Globalization:** PR: INR 2002 or POS 2041 or C.I. Major political causes and consequences of globalization. *Occasional.*

**INR 4030 COS-POLS 3(3,0)**  
**Diplomacy:** PR: POS 2041, Junior standing or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. *Spring.*

**INR 4030H COS-POLS 3(3,0)**  
**Honors Diplomacy:** PR: POS 2041 and consent of Honors. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. *Occasional.*

**INR 4035 COS-POLS 3(3,0)**  
**International Political Economy:** The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. *Odd Spring.*





## UCF Courses and Descriptions

<b>INR 4054</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4243</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INT 4205C</b>	<b>HPA-COM SC&amp;DIS</b>	<b>4(3,1)</b>
<b>Global Politics of Energy:</b> PR: POS 2041 or INR 2002 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. <i>Occasional.</i>			<b>International Politics of Latin America:</b> Study of contemporary U.S.-Latin American relations, interAmerican politics and organization, and the role of Latin America in the world. <i>Occasional.</i>			<b>Interactive Interpreting I:</b> PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter's role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. <i>Occasional.</i>		
<b>INR 4060</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4304</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INT 4206C</b>	<b>HPA-COM SC&amp;DIS</b>	<b>4(3,1)</b>
<b>Causes of War:</b> PR: POS 2041 or INR 2002 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. <i>Fall.</i>			<b>Issues in International Public Policy:</b> PR: POS 2041, Junior standing or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. <i>Occasional.</i>			<b>Interactive Interpreting II:</b> PR: INT 4205C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL. <i>Occasional.</i>		
<b>INR 4063</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4335</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ISC 2215</b>	<b>COS-MATH</b>	<b>1(3,0)</b>
<b>The Cold War:</b> PR: INR 2002 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. <i>Occasional.</i>			<b>Coercion in International Politics:</b> 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. <i>Even Fall.</i>			<b>Interdisciplinary Applications of Calculus I:</b> CR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. <i>Fall.</i>		
<b>INR 4064</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4350</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ISC 2216</b>	<b>COS-MATH</b>	<b>1(3,0)</b>
<b>Changing Nature of War:</b> PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. <i>Occasional.</i>			<b>Global Environmental Politics:</b> PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. <i>Fall.</i>			<b>Interdisciplinary Applications of Calculus II:</b> 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. <i>Spring.</i>		
<b>INR 4074</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4351</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ISC 2217</b>	<b>COS-MATH</b>	<b>1(3,0)</b>
<b>Immigration Policy:</b> PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. <i>Occasional.</i>			<b>International Environmental Law:</b> 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. <i>Occasional.</i>			<b>Interdisciplinary Applications of Calculus III:</b> 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. <i>Fall.</i>		
<b>INR 4075</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4364</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ISS 4155</b>	<b>COS-COMM</b>	<b>3(3,0)</b>
<b>Human Rights Policy:</b> PR: POS 2041, Junior standing or C.I. Meaning of human rights, political and international implications of human rights policies, relationship to global peace, racism, gender inequality, economic development and democratization. <i>Spring.</i>			<b>The Intelligence Community:</b> 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. <i>Spring.</i>			<b>Science Fiction and the Social Sciences:</b> A multimedia examination of note-worthy science fiction from the Social Science perspective. <i>Occasional.</i>		
<b>INR 4076</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4401</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 1120C</b>	<b>CAH-LANG</b>	<b>4(3,1)</b>
<b>Global Drug Policy:</b> PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. <i>Odd Spring.</i>			<b>International Law I:</b> PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, expropriation, nationality, and aliens. <i>Occasional.</i>			<b>Elementary Italian Language and Civilization I:</b> 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. <i>Fall, Spring.</i>		
<b>INR 4084</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4402</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 1121C</b>	<b>CAH-LANG</b>	<b>4(3,1)</b>
<b>Politics of International Terrorism:</b> PR: POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. <i>Occasional.</i>			<b>International Law II:</b> PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. <i>Occasional.</i>			<b>Elementary Italian Language and Civilization II:</b> PR: ITA 1120C or equivalent. Continuation of ITA 1120C. <i>Fall, Spring.</i>		
<b>INR 4085</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4404</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 2200</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Women, Gender, and Globalization:</b> PR: Junior standing. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. <i>Occasional.</i>			<b>Space Law:</b> Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. <i>Occasional.</i>			<b>Intermediate Italian Language and Civilization I:</b> PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of syntax, idiomatic expression, extensive readings, and further study of Italian culture. <i>Fall.</i>		
<b>INR 4102</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4502</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 2201</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>American Foreign Policy:</b> Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. <i>Odd Fall.</i>			<b>International Organizations:</b> The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. <i>Even Fall, Odd Spring.</i>			<b>Intermediate Italian Language and Civilization II:</b> 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. <i>Spring.</i>		
<b>INR 4104</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4603</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 2210</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Topics and Cases in American Foreign Policy:</b> PR: POS 2041, Jr. standing or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. <i>Odd Spring.</i>			<b>International Relations Theory:</b> PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. <i>Occasional.</i>			<b>Intensive Italian Conversation:</b> PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. <i>Occasional.</i>		
<b>INR 4114</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4714</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 2240</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>American Security Policy:</b> PR: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. <i>Occasional.</i>			<b>Politics of International Trade Policy:</b> PR: INR 2002. Key actors and processes of international trade policy-making at the sub-national, nation-state, regional, and global levels of analysis. <i>Occasional.</i>			<b>Italian Conversation:</b> PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. <i>Occasional.</i>		
<b>INR 4115</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INR 4774</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>ITA 3420</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Strategic Weapons and Arms Control:</b> Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. <i>Occasional.</i>			<b>Military Space Policy:</b> 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. <i>Occasional.</i>			<b>Italian Composition:</b> PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. <i>Spring.</i>		
<b>INR 4224</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>INT 4134</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(3,0)</b>	<b>ITA 3440</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Contemporary International Politics of Asia:</b> Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. <i>Occasional.</i>			<b>Ethics of Interpreting Sign Language:</b> PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. <i>Occasional.</i>			<b>Italian for Business:</b> PR: ITA 2200. Italian language for business purposes. <i>Occasional.</i>		
<b>INR 4225</b>	<b>COS-POLS</b>	<b>3(3,0)</b>				<b>ITA 3472</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>The Vietnam War:</b> Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. <i>Occasional.</i>						<b>Renaissance Art Abroad:</b> PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. <i>Occasional.</i>		

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<b>ITA 3760</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Advanced Italian Oral Communication:</b> 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. <i>Fall.</i>
<b>ITA 4280</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Italian Syntax Abroad:</b> PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. <i>Occasional.</i>
<b>ITT 3443</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Dante's Inferno:</b> PR: ITW 3100. An in-depth study of Dante's Inferno. In English. <i>Occasional.</i>
<b>ITT 3480</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Study Abroad: Italian Literature in Translation:</b> PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. <i>Occasional.</i>
<b>ITT 4956</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Study Abroad: Modern and Contemporary Italian Culture:</b> PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. <i>Occasional.</i>
<b>ITT 4957H</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Honors Italian Literature in Translation:</b> PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian Literature, with honors content. <i>Occasional.</i>
<b>ITW 3100</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Survey of Italian Literature I:</b> PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. <i>Occasional.</i>
<b>ITW 3101</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Survey of Italian Literature II:</b> PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. <i>Occasional.</i>
<b>JOU 2100C</b>	<b>COS-COMM</b>	<b>3(3,1)</b>	<b>News Reporting:</b> PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. Newsgathering and writing for the mass media. <i>Fall, Spring.</i> M&S fee \$15.00
<b>JOU 3004</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>History of American Journalism:</b> Development of mass media, leading innovators, and the media's role in the nation's history. <i>Fall, Spring.</i>
<b>JOU 3101</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Advanced Reporting:</b> 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. <i>Fall, Spring.</i> M&S fee \$15.00
<b>JOU 3130</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>In-Depth Reporting:</b> PR: STA 1060C or MAC 1105C, and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. <i>Occasional.</i>
<b>JOU 3184C</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>Metro Reporting:</b> PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. <i>Occasional.</i>
<b>JOU 3201</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Editing I:</b> PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. <i>Fall, Spring.</i> M&S fee \$15.00
<b>JOU 3202</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Editing II:</b> 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. Principles of design. Practice in editing and layout. <i>Occasional.</i> M&S fee \$15.00
<b>JOU 3304</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Journalism Readings:</b> PR: SPC 1608 or SPC 1603 or COM 1000. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. <i>Occasional.</i>
<b>JOU 3313C</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>Sports Reporting:</b> PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Covering sports for the print media; issues, principles, and practices. <i>Occasional.</i>
<b>JOU 3510</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Magazine Publishing:</b> 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. <i>Occasional.</i>
<b>JOU 4181</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Public Affairs Reporting:</b> PR: Journalism major, and a minimum grade of "C" (2.0) in JOU 2100C and a minimum grade of "C" (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. <i>Fall, Spring.</i> M&S fee \$15.00
<b>JOU 4211C</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>Informational Graphics:</b> PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. <i>Occasional.</i>
<b>JOU 4213C</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>Page Design:</b> PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. <i>Occasional.</i>
<b>JOU 4224</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Magazine Editing and Production:</b> PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. <i>Occasional.</i>
<b>JOU 4300</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Feature Writing:</b> PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. <i>Fall, Spring.</i>
<b>JOU 4306C</b>	<b>COS-COMM</b>	<b>3(2,2)</b>	<b>Critical Writing:</b> PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. <i>Occasional.</i>
<b>JOU 4308</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Freelance Writing:</b> PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. <i>Occasional.</i>
<b>JOU 4340C</b>	<b>COS-COMM</b>	<b>3(1,3)</b>	<b>On-line Journalism I:</b> PR: PUR 3100, or 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. <i>Occasional.</i> M&S fee \$15.00
<b>JOU 4341C</b>	<b>COS-COMM</b>	<b>3(1,3)</b>	<b>On-line Journalism II:</b> PR: JOU 4340C. Study, design, and development of on-line journalism materials. <i>Occasional.</i> M&S fee \$15.00
<b>JOU 4342C</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>Converged Journalism:</b> PR: JOU 2100C, MMC 3200, and Senior standing. Combining print and electronic technologies to transmit information to the public. Capstone course. <i>Fall.</i>
<b>JOU 4700</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Journalism Ethics:</b> PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. <i>Fall, Spring.</i>
<b>JPN 1120C</b>	<b>CAH-LANG</b>	<b>4(3,1)</b>	<b>Elementary Japanese Language and Civilization I:</b> Introduces the student to Japanese culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. <i>Fall.</i>
<b>JPN 1121C</b>	<b>CAH-LANG</b>	<b>4(3,1)</b>	<b>Elementary Japanese Language and Civilization II:</b> PR: JPN 1120C or equivalent. Continuation of JPN 1120C. <i>Spring.</i>
<b>JPN 2200</b>	<b>CAH-LANG</b>	<b>3(3,1)</b>	<b>Intermediate Japanese Language and Civilization I:</b> PR: JPN 1121C or equivalent. This 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. <i>Fall.</i>
<b>JPN 2201</b>	<b>CAH-LANG</b>	<b>3(3,1)</b>	<b>Intermediate Japanese Language and Civilization II:</b> PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. <i>Spring.</i>
<b>JPN 2952</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Japanese Cultural Studies Abroad:</b> PR: JPN 1120C and JPN 1121C. Japanese culture through key elements of Japanese life and comprehensive exposure of various aspects of their material cultural heritage. Conducted in Japanese. <i>Occasional.</i>
<b>JPN 3760</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Advanced Japanese Conversation:</b> PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. <i>Occasional.</i>
<b>JST 3005</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Tenets of Judaism:</b> PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. <i>Occasional.</i>
<b>JST 3100</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>The Hebrew Creative Mind:</b> Survey of Hebrew Literature in Translation. A survey of the creative expressions of Hebrew civilization as found in the Hebrew Bible, Apocrypha and Pseudepigrapha, the Mishnah, and the Talmud, Medieval Hebrew Poetry and Prose. <i>Occasional.</i>
<b>JST 3120</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Hebrew Scriptures:</b> PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts. <i>Occasional.</i>
<b>JST 3121</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Classic Texts of Judaism:</b> PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. <i>Occasional.</i>
<b>JST 3125</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>The Book of Job:</b> PR: Jr standing, ENC 1102. A textual-thematic study of Book of Job in English translation, exploring the Book of Job as literature, theodicy and ethics. <i>Occasional.</i>
<b>JST 3126</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Romantic Love in the Bible:</b> PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationship; the nature of man-woman interactions in ancient Israel. <i>Occasional.</i>
<b>JST 3144</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Dead Sea Scrolls:</b> PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. <i>Occasional.</i>
<b>JST 3190</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>The Biblical Prophets:</b> PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. <i>Occasional.</i>
<b>JST 3210</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Kabbalah: Jewish Mysticism:</b> PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. <i>Occasional.</i>
<b>JST 3312</b>	<b>CAH-JUD</b>	<b>3(3,0)</b>	<b>Identity and Genre:</b> PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. <i>Occasional.</i>

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<b>JST 3312H</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Honors Jewish Identity and Genre:</b> 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. <i>Occasional.</i>	<b>JST 3820</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Modern Hebrew Culture:</b> The Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. <i>Occasional.</i>	<b>LAE 5367</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>English Composition and Literature for Teachers of Advanced Placement:</b> PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. <i>Occasional.</i>
<b>JST 3401</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>The Jewish People I:</b> Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. <i>Fall.</i>	<b>LAE 3414</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Literature for Children:</b> PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. <i>Fall, Spring.</i>	<b>LAE 5415</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Children's Literature in Elementary Education:</b> Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. <i>Spring.</i>
<b>JST 3402</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>The Jewish People II:</b> The life and history of the Jews in the medieval and modern worlds. <i>Spring.</i>	<b>LAE 4314</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Language Arts in the Elementary School:</b> PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. <i>Fall, Spring.</i>	<b>LAE 5465</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Literature for Adolescents:</b> PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. <i>Spring.</i>
<b>JST 3415</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>American Jewish History:</b> PR: ENC 1102. Jewish presence in America and its influence on and contribution to American life and culture. <i>Occasional.</i>	<b>LAE 4342</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Programs in Teaching Language and Composition:</b> PR: EDG 4410; CR: LAE 4360 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. <i>Fall.</i>	<b>LAE 5495</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Assessing Writing:</b> PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. <i>Spring.</i>
<b>JST 3424</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Biblical Archaeology:</b> PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. <i>Occasional.</i>	<b>LAE 4360</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>English Instructional Analysis:</b> PR: EDG 4410, EDF 4467, TSL 4080, and LAE 4464. CR: LAE 4342 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special application for teaching English at the middle grades and high school. <i>Fall, Spring.</i>	<b>LAH 3130</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>Latin American History I:</b> PR: EUH 2000 and 2001 or C.I. The Colonial period. <i>Occasional.</i>
<b>JST 3450</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Modern Jewish Experience:</b> 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. <i>Occasional.</i>	<b>LAE 4361</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Literacy Strategies for Middle and High School:</b> PR: EDG 4323 or ECT 3365 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. <i>Fall, Odd Spring.</i>	<b>LAH 3200</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>Latin American History II:</b> PR: EUH 2000 and 2001 or C.I. The National period. <i>Occasional.</i>
<b>JST 3481</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>20th Century Jewish History and Thought:</b> 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. <i>Occasional.</i>	<b>LAE 4464</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Survey of Adolescent Literature:</b> PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. <i>Spring.</i>	<b>LAH 3400</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>History of Mexico and Central America:</b> PR: EUH 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. <i>Occasional.</i>
<b>JST 3550</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Introduction of Modernism into Judaism:</b> 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). <i>Occasional.</i>	<b>LAE 5195</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>CFWP Teacher Consultant:</b> PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. <i>Occasional.</i>	<b>LAH 3470</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>History of the Caribbean:</b> PR: EUH 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. <i>Occasional.</i>
<b>JST 3551</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>The Holy and the Profane: The Introduction of Secularism into Modern Judaism:</b> PR: ENC 1102 or JST 3401 or JST 3402. Examines cultural, religious, and social processes from traditional Judaism to the beginning of secularism in 18th-19th century European Jewry by studying Hebrew & Jewish Enlightenment. <i>Occasional.</i>	<b>LAE 5295</b> <b>ED-TL&amp;L</b> <b>1-3(1-3,0)</b> <b>Writing Workshop:</b> PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. <i>Occasional.</i>	<b>LAH 4136</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>Colonial Florida:</b> PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. <i>Odd Fall.</i>
<b>JST 3620</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Contemporary Jewish Ethics and Morality:</b> PR: ENC 1102. Moral concerns using the resources of the classical Judaic tradition. <i>Occasional.</i>	<b>LAE 5319</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Methods of Elementary School Language Arts:</b> PR: EDG 4323. Principles, procedures, organization and current practices in reading, writing, listening, and talking. <i>Fall.</i>	<b>LAH 4461</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>History of Puerto Rico:</b> PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Puerto Rico from pre-Columbian era to present. <i>Occasional.</i>
<b>JST 3701</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>History of the Holocaust:</b> A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. <i>Occasional.</i>	<b>LAE 5337</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Literacy Strategies for Middle and Secondary Teaching:</b> PR: EDG 6236 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. <i>Occasional.</i>	<b>LAH 4480</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>History of Cuba:</b> PR: Any two of the following: AMH 2010, AMH 2020, WOH 2012, or WOH 2022. History of Cuba from pre-Columbian era to present. <i>Occasional.</i>
<b>JST 3751</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>Literature of the Holocaust:</b> A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. <i>Occasional.</i>	<b>LAE 5338</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Teaching Writing in Middle and High School:</b> PR: EDG 6236 or C.I. Techniques and methods in teaching dialects, semantics, and the various grammars within the context of writing. <i>Fall, Spring.</i>	<b>LAH 4512</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>Modern Argentina:</b> PR: WOH 2022. Examines the economic, social, and cultural history of Argentina. <i>Occasional.</i>
<b>JST 3803</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>The Israeli Experience in Short Stories:</b> 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. <i>Occasional.</i>	<b>LAE 5346</b> <b>ED-TL&amp;L</b> <b>3(3,0)</b> <b>Methods of Teaching English Language Arts:</b> PR: EDG 6236 or C.I. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. <i>Fall, Spring.</i>	<b>LAH 4742</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>The Mexican Revolution:</b> PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. <i>Occasional.</i>
<b>JST 3810</b> <b>CAH-JUD</b> <b>3(3,0)</b> <b>The Jewish National Movement and Roots of Zionism:</b> Roots of Zionism and Jewish nationalism and their relationship to modern anti-Semitism, through analysis of European Jewish history and society. <i>Occasional.</i>		<b>LAH 4780</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>Poverty and Development in Latin America:</b> PR: WOH 2022. Examines the historical reasons for poverty and inequality in 20th century Latin America. <i>Occasional.</i>
		<b>LAH 5713</b> <b>CAH-HIST</b> <b>3(3,0)</b> <b>Colloquium in U.S.-Latin American Relations:</b> PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. <i>Occasional.</i>
		<b>LAS 2001</b> <b>CAH-LAS</b> <b>3(3,0)</b> <b>Topics in Latin American Studies:</b> Contemporary issues in Latin America including, but not limited to, Amazon rainforests preservation, the Panama Canal, economic embargo of Cuba, NAFTA, drug trafficking, and immigration. <i>Fall, Spring.</i>

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- LAS 3101 CAH-LAS 3(3,0)**  
**Latin American Popular Culture:** PR: SPN 1120C and CR: SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. *Occasional.*
- LAS 4023 CAH-AAS 3(3,0)**  
**African Caribbean Experience:** PR: Junior standing or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. *Occasional.*
- LAT 1120C CAH-LANG 4(3,1)**  
**Elementary Latin Language and Civilization I:** Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Fall.*
- LAT 1120H CAH-LANG 4(4,1)**  
**Honors Elementary Latin Language and Civilization I:** PR: Permission of Honors. Introduces the student to Latin culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language, with honors-level content. *Occasional.*
- LAT 1121 CAH-LANG 4(4,1)**  
**Elementary Latin Language and Civilization II:** PR: LAT 1120C or equivalent. Continuation of LAT 1120C. *Spring.*
- LAT 1121H CAH-LANG 4(4,1)**  
**Honors Elementary Latin Language and Civilization II:** PR: LAT 1120H or equivalent and permission of Honors. Continuation of LAT 1120H, with honors-level content. *Occasional.*
- LDR 2001 UGST-INTERDISC 2(2,0)**  
**Foundations of Leadership:** PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. *Fall.*
- LDR 2002 UGST-INTERDISC 2(2,0)**  
**Intermediate Foundations of Leadership:** PR: LDR 2001. Intermediate study of leadership practices as related to translating a leadership vision into organizational effectiveness. Builds on the theories in the prerequisite Foundations of Leadership course. *Spring.*
- LDR 2262 UGST-INTERDISC 1(0,1)**  
**Focused Volunteer Community Service:** Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. *Fall, Spring.*
- LDR 3215 UGST-INTERDISC 2(2,0)**  
**Leadership Through Service: An Advanced Leadership Experience:** PR: LDR 2001 and LDR 2002. Theories, processes, and leadership role in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. *Fall.*
- LDR 3950 UGST-INTERDISC 2(2,0)**  
**Leadership in Action: Capstone Experience for LEAD Scholars:** PR: LDR 3215. Leadership 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 in ENC 1102. An overview of the modern linguist's approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of dialectology, language acquisition, and semantics. *Occasional.*
- LIN 3673 CAH-ENG 3(3,0)**  
**Grammar & Advanced Prose Style:** PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today's expert writers use to increase sentence clarity and elegance. *Occasional.*
- LIN 3713 HPA-COM SC&DIS 3(3,0)**  
**Language Science:** PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. *Fall, Spring.*
- LIN 3716 HPA-COM SC&DIS 3(3,0)**  
**Language Development:** PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. *Fall, Spring.*
- LIN 3716L HPA-COM SC&DIS 2(0,2)**  
**Language Development Lab:** PR: LIN 3713; CR: LIN 3716. Procedures for sampling, analyzing, and describing language in children and adolescents. Graded S/U. *Fall, Spring.*
- LIN 3717 HPA-COM SC&DIS 3(3,0)**  
**Language Development: 9 - 18 Years:** PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. *Fall, Spring.*
- LIN 4105 CAH-ENG 3(3,0)**  
**History of the English Language:** PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. *Fall, Spring.*
- LIN 4600 CAH-WRITE 3(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 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 Grammar:** PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. *Spring.*
- LIN 4711 HPA-COM SC&DIS 3(3,0)**  
**Language Analysis:** PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. *Fall, Spring.*
- LIN 4711L HPA-COM SC&DIS 1(0,1)**  
**Language Analysis Lab:** PR: LIN 3716 and LIN 3717. CR: LIN 4711. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. *Fall, Spring.*
- LIN 4801 CAH-ENG 3(3,0)**  
**Language and Meaning:** PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. *Occasional.*
- LIN 5137 CAH-ENG 3(3,0)**  
**Linguistics:** PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. *Occasional.*
- LIN 5675 CAH-ENG 3(3,0)**  
**English Grammar and Usage:** PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. *Occasional.*
- LIT 2000 CAH-ENG 3(3,0)**  
**Introduction to Literary Interpretation:** PR: ENC 1102. Interpretation of fiction, drama, verse: conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms; application of critical approaches to selected works. *Occasional.*
- LIT 2110 CAH-ENG 3(3,0)**  
**World Literature I:** PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. *Fall, Spring.*
- LIT 2120 CAH-ENG 3(3,0)**  
**World Literature II:** PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. *Fall, Spring.*
- LIT 2120H CAH-ENG 3(3,0)**  
**World Literature II - Honors:** PR: Permission of Honors. Same as LIT 2120, with honors-level content. *Occasional.*
- LIT 3082 CAH-ENG 3(3,0)**  
**Continental European Fiction Since 1900:** PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. *Occasional.*
- LIT 3192 CAH-ENG 3(3,0)**  
**Caribbean Literature:** PR: Grade of C (2.0) or better required in ENC 1102. 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; taught in English. Honors content. *Occasional.*
- LIT 3202 CAH-ENG 3(3,0)**  
**Death and Dying:** PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. *Occasional.*
- LIT 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 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. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. *Occasional.*
- LIT 3394 CAH-ENG 3(3,0)**  
**Literature of AIDS:** PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. *Occasional.*



## UCF Courses and Descriptions

<b>LIT 3394H</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Honors Literature of AIDS:</b> PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to AIDS: Essays, short stories, plays, poetry, diaries, and novels. Honors content. <i>Occasional.</i>	<b>LIT 4374H</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Honors Literature of the Bible:</b> PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. <i>Occasional.</i>	<b>MAA 5228</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Analysis I:</b> PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, calculus in $R^n$ ; metric and normed spaces, contraction mapping theorem, inverse and implicit functions. <i>Fall.</i>
<b>LIT 3437</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>International Environmental Justice Literature:</b> 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. <i>Occasional.</i>	<b>LIT 4433</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Literature of Science and Technology:</b> PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. <i>Fall.</i>	<b>MAC 1105C</b> <b>COS-MATH</b> <b>3(1,4)</b> <b>College Algebra:</b> PR: Appropriate score on the UCF Math Placement exam, or MAT 1033C with a "C" (2.0) or better, or C.I. Inequalities. High degree polynomials. Graphs, rational, logarithmic, and exponential functions, Systems of equations. The "NC" grading policy applies to this course. <i>Fall, Spring.</i>
<b>LIT 3482</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Literature &amp; Popular Culture:</b> PR: ENC 1102. Analysis of media to determine popular values in the formation of popular cultural perceptions. <i>Occasional.</i>	<b>LIT 4554</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Advanced Feminist Theories:</b> PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. <i>Occasional.</i>	<b>MAC 1105H</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Honors College Algebra:</b> PR: Appropriate score on the UCF Math Placement Exam, or Intermediate algebra or 2 years of high school algebra, and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. <i>Occasional.</i>
<b>LIT 3482H</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Honors Literature &amp; Popular Culture:</b> PR: Consent of Honors. Analysis of media to determine popular values in the formation of popular cultural perceptions. With Honors Content. <i>Occasional.</i>	<b>LIT 4937H</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>English Honors Seminar:</b> PR: ENG 3014 and permission of Honors. In-depth study of language and/or literature with an emphasis on creative and critical abilities. <i>Occasional.</i>	<b>MAC 1114</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>College Trigonometry:</b> PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. <i>Fall, Spring.</i>
<b>LIT 3714</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Literary Modernism:</b> PR: ENC 1102. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. <i>Occasional.</i>	<b>LIT 5028</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Form and Theory of Short Story:</b> PR: Graduate status or senior standing or C.I. Evolving forms and theories of short fiction and the implications of form and theory. <i>Occasional.</i>	<b>MAC 1140C</b> <b>COS-MATH</b> <b>3(1,4)</b> <b>Pre-Calculus Algebra:</b> 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. <i>Fall, Spring.</i>
<b>LIT 3823</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Hispanic Women Writers:</b> PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. <i>Occasional.</i>	<b>LIT 5269</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Nineteenth-Century Essays:</b> PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. <i>Occasional.</i>	<b>MAC 1140H</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Honors Pre-Calculus Algebra:</b> 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. <i>Occasional.</i>
<b>LIT 3833</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Modern Asian Literature:</b> 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. <i>Occasional.</i>	<b>LIT 5309</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Popular Culture and Media:</b> PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. <i>Occasional.</i>	<b>MAC 2147</b> <b>COS-MATH</b> <b>5(5,0)</b> <b>Mathematics for Calculus:</b> PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. <i>Even Fall, Spring.</i>
<b>LIT 3905</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Directed experience in Literature:</b> PR: ENC 1102, C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. <i>Occasional.</i>	<b>LIT 5366</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>The Romantic Revolt (19th Century Literature):</b> PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose: English, American and Continental literature from 1798 to 1832. <i>Occasional.</i>	<b>MAC 2233</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Concepts of Calculus:</b> PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. <i>Occasional.</i>
<b>LIT 3911H</b> <b>CAH-ENG</b> <b>1(1,0)</b> <b>Research Methods - Honors:</b> PR: Permission of Honors. Introduction to scholarship and practical research in literature and writing. <i>Occasional.</i>	<b>LIT 5387</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Captives, Housewives, and Coquettes:</b> PR: Graduate status or senior standing or C.I. Course considers early American women's literature from 17th to 19th centuries. <i>Occasional.</i>	<b>MAC 2241</b> <b>COS-MATH</b> <b>4(4,0)</b> <b>Calculus for Life Sciences:</b> PR: MAC 1105C. Discrete dynamical systems, derivatives and dynamics, applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The "NC" grading policy applies to this course. <i>Occasional.</i>
<b>LIT 4043</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Modern Drama As Literature:</b> PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. <i>Occasional.</i>	<b>LIT 5389</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Studies in Gender and Fiction Writing:</b> PR: Graduate status or senior standing or C.I. Graduate study of gender's implications for teaching and practice of fiction writing. <i>Occasional.</i>	<b>MAC 2253</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Applied Calculus I:</b> PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114 with a C (2.0) or better, or C.I. Differential and integral calculus. An introduction to differential equations and Laplace Transforms. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2311. The "NC" grading policy applies to this course. <i>Fall, Spring.</i>
<b>LIT 4184</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Irish Literature:</b> PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. <i>Occasional.</i>	<b>LIT 5556</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Advanced Feminist Theories:</b> PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "French Feminism" to "Critical Race Theories". <i>Occasional.</i>	<b>MAC 5210</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Topics in Advanced Calculus:</b> PR: MAS 3105, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor's theorem, series, uniform convergence, inverse and implicit function theorems. <i>Fall.</i>
<b>LIT 4233</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Postcolonial Theory and Literature:</b> PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. <i>Occasional.</i>	<b>MAA 4226</b> <b>COS-MATH</b> <b>4(4,0)</b> <b>Advanced Calculus I:</b> PR: MHF 3302, MAC 2313 and MAS 3106, or C.I. Limits, sequences, and continuity, differentiation and integration. Derivations of integrals. Infinite series and convergence. The BalzanoWeierstrass Theorem and the Heine-Borel Theorem. Extensions in Euclidian n-space. <i>Fall.</i>	
<b>LIT 4244</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>World Authors:</b> PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i>	<b>MAA 4227</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Advanced Calculus II:</b> PR: MAA 4226 or C.I. Continuation of MAA 4226. <i>Spring.</i>	
<b>LIT 4303</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Post-World War II Fiction:</b> PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. <i>Occasional.</i>	<b>MAA 4402</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Introduction to Complex Variables:</b> PR: MAP 2302. Analytic functions and complex integration. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. <i>Spring.</i>	
<b>LIT 4374</b> <b>CAH-ENG</b> <b>3(3,0)</b> <b>Literature of the Bible:</b> PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. <i>Occasional.</i>		

## UCF Courses and Descriptions

- MAC 2311 COS-MATH 4(4,0)**  
**Calculus with Analytic Geometry I:** PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114 with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1114 or MAC 1140, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2241. The "NC" grading policy applies to this course. *Fall, Spring.*
- MAC 2311H COS-MATH 4(4,0)**  
**Honors Calculus with Analytic Geometry I:** PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1114 with a grade of C (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. 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 2311, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. *Fall, Spring.*
- MAC 2312H COS-MATH 4(4,0)**  
**Calculus with Analytic Geometry II (Honors):** PR: Grade of "C" (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors content. *Fall, Spring.*
- MAC 2313 COS-MATH 4(4,0)**  
**Calculus with Analytic Geometry III:** PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. *Fall, Spring.*
- MAC 2313H COS-MATH 4(4,0)**  
**Calculus with Analytic Geometry III (Honors):** PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. *Spring.*
- MAD 2104 COS-MATH 3(3,0)**  
**Foundations of Discrete Math:** PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. *Fall, Spring.*
- MAD 4203 COS-MATH 3(3,0)**  
**Applied Combinatorics:** PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. *Fall.*
- MAD 4301 COS-MATH 3(3,0)**  
**Graph Theory:** PR: MAC 2313 and MHF 3302, or C.I. Graph theory; isomorphism, connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. *Spring.*
- MAD 5205 COS-MATH 3(3,0)**  
**Combinatorics and Graph Theory II:** PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. *Odd Spring.*
- MAE 2801 ED-TL&L 4(3,1)**  
**Elementary School Mathematics:** PR: MAC 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)**  
**Math Curriculum and Assessment in Early Childhood:** PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. *Fall.*
- MAE 4326 ED-TL&L 3(3,0)**  
**How Children Learn Mathematics:** PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. *Fall, Spring.* M&S fee \$10.00
- MAE 4360 ED-TL&L 4(3,2)**  
**Mathematics Instructional Analysis:** PR: EDG 4323. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. *Fall.*
- MAE 4634 ED-TL&L 3(2,1)**  
**Programs in Teaching of Mathematics:** PR: C.I. A consideration of special programs, strategies, and materials. Emphasis on individual needs of students. *Spring.*
- 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 5-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. *Occasional.*
- MAE 5336 ED-TL&L 3(3,0)**  
**Current Methods in Secondary School Mathematics:** PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. *Occasional.*
- MAE 5935 COS-MATH 3(3,0)**  
**Post-Secondary Mathematics:** PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. *Even Fall.*
- MAN 2021 BA-MAN 3(3,0)**  
**Management:** PR: Junior standing. For non-business majors only. The interdisciplinary application of the managerial functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. *Occasional.*
- MAN 3025 BA-MAN 4(4,0)**  
**Management of Organizations:** PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. *Fall, Spring.*
- MAN 3025H BA-MAN 4(4,0)**  
**Honors Management of Organizations:** PR: Junior standing and business major or minor, permission of Honors, ECO 2013, ECO 2023 and ACG 2071. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and control. Applicable to honors students. *Occasional.*
- MAN 3301 BA-MAN 3(3,0)**  
**Management of Human Resources:** PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. *Fall, Spring.*
- MAN 3302 BA-MAN 3(3,0)**  
**Essentials of Human Resource Management for Non-Business Majors:** PR: MAN 3025. Provides non-business majors with a review of basic human resource management practices and policies and the organizational role of the HRM function. *Occasional.*
- MAN 3354 BA-MAN 3(3,0)**  
**Employee Training for Non-Business Majors:** PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational specialists. Designed for non-business majors. *Occasional.*
- MAN 3520 BA-MAN 3(3,0)**  
**Quality & Productivity Management:** PR: GEB 3031, MAN 3025. Management Majors and Minors and students whose major requires it. Principles and theories of quality and operations management in manufacturing and service organizations. *Occasional.*
- MAN 4029 BA-MAN 3(3,0)**  
**Service Organization Management:** PR: Management major, MAN 3025 and MAN 3520. Study of the special characteristics, problems, and methods for managing service-oriented organizations. *Occasional.*
- MAN 4101 BA-MAN 3(3,0)**  
**Human Relations in Management:** PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. *Fall, Spring.*
- MAN 4240 BA-MAN 3(3,0)**  
**Organizations: Theory and Behavior:** PR: Management major, MAN 3025. A course providing a micro/macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. *Fall, Spring.*
- MAN 4310 BA-MAN 3(3,0)**  
**Human Resource Management Issues:** PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. *Odd Spring.*
- MAN 4320 BA-MAN 3(3,0)**  
**Human Resources Recruitment and Selection:** PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. *Fall, Spring.*
- MAN 4330 BA-MAN 3(3,0)**  
**Compensation Administration:** PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. *Fall, Odd Spring.*
- MAN 4350 BA-MAN 3(3,0)**  
**Training and Development:** PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. *Fall, Spring.*
- MAN 4401 BA-MAN 3(3,0)**  
**Labor Relations Management:** PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. *Occasional.*
- MAN 4441 BA-MAN 3(3,0)**  
**Conflict Resolution and Negotiation:** PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. *Occasional.*
- MAN 4521 BA-MAN 3(3,0)**  
**Production Planning and Control:** PR: Management major, MAN 3520. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. *Occasional.*
- MAN 4583 BA-MAN 3(3,0)**  
**Project Management:** PR: GEB 3031 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/not for profit). Covers all project phases from initiation to termination. *Occasional.*



## UCF Courses and Descriptions

- MAN 4600 BA-MAN 3(3,0)**  
**International Management:** PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. *Fall, Spring.*
- MAN 4701 BA-MAN 3(3,0)**  
**Business Ethics and Society:** PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. *Fall, Spring.*
- MAN 4720 BA-MAN 4(4,0)**  
**Strategic Management:** PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. *Fall, Spring.*
- MAN 4720H BA-MAN 4(4,0)**  
**Honors Strategic Management:** PR: Permission of Honors and Graduating semester. Capstone course integrates and applies management theories, and frameworks to tackle modern organizational planning problems, and opportunities. Honors content. *Occasional.*
- MAN 4802 BA-MAN 3(3,0)**  
**Entrepreneurship:** PR: GEB 3031 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. *Fall, Spring.*
- MAN 4804 BA-MAN 3(3,0)**  
**Small Business Consulting:** PR: 3.0 GPA and Business major in graduation term or C.I. Students are assigned teams and work with a local small business. *Occasional.*
- MAN 4941 BA-MAN 3(0,3)**  
**Management Internship:** PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. *Occasional.*
- MAN 5021 BA-MAN 1.5(1.5,0)**  
**Management Foundations:** PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. *Fall, Spring.*
- MAN 5050 BA-MAN 2(2,0)**  
**Management Concepts:** PR: Acceptance in MBA program. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. *Occasional.*
- MAN 5867 BA-MAN 3(3,0)**  
**Small Business Consulting:** PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. *Occasional.*
- MAP 2302 COS-MATH 3(3,0)**  
**Differential Equations:** PR: Grade of "C" (2.0) or better in MAC 2312, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. *Fall, Spring.*
- MAP 2302H COS-MATH 3(3,0)**  
**Differential Equations (Honors):** PR: Grade of "C" (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods: Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. *Occasional.*
- MAP 3482H COS-MATH 3(3,0)**  
**Systems Modeling and Simulation:** PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. *Occasional.*
- 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. Graded S/U. May be used in the degree program a maximum of 3 times. *Fall, Spring.*
- MAP 3937 COS-MATH 1(1,0)**  
**Techniques of Problem Solving:** PR: MAC 2311 and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. *Fall.*
- MAP 4103 COS-MATH 3(3,0)**  
**Mathematical Modeling I:** PR: MAC 2311 and MAP 2302. An overview of model construction. Model fitting, optimization models, empirical construction and modeling dynamic behavior. *Spring.*
- MAP 4113 COS-MATH 3(3,0)**  
**Probability, Random Processes and Applications I:** PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. *Occasional.*
- MAP 4153 COS-MATH 3(3,0)**  
**Vector and Tensor Analysis:** PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. *Fall.*
- MAP 4171 COS-MATH 3(3,0)**  
**Optimization for Actuarial Science:** PR: MAC 2312 and STA 2023. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. *Occasional.*
- MAP 4363 COS-MATH 3(3,0)**  
**Applied Boundary Value Problems I:** PR: MAP 2302 or C.I. Systems of linear equations. Fourier series. The eigenvalue problem of Sturm-Liouville. The method of Green's functions. *Fall.*
- MAP 4364 COS-MATH 3(3,0)**  
**Applied Boundary Value Problems II:** PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace. *Spring.*
- MAP 4371 COS-MATH 3(3,0)**  
**Numerical Methods for Differential Equations:** PR: MAC 2313, MAS 3105 or C.I. Numerical theory and practices used in solving ordinary differential equations and PDE. Covers Euler's method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. *Occasional.*
- MAP 4384 COS-MATH 3(3,0)**  
**Numerical Methods for Computational Sciences:** PR: MAP 2302 and MAS 3105 or C.I. Theory of modern methods of numerical computation and numerical analysis in linear algebra and differential equations; non-linear optimization, finite element methods, adaptive quadrature. *Occasional.*
- MAP 5106 COS-MATH 3(3,0)**  
**Introduction to Quantitative Aspects of Modeling and Simulation:** PR: MAC 2253, graduate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. *Occasional.*
- MAP 5117 COS-MATH 3(3,0)**  
**Mathematical Modeling:** PR: STA 4321, MAP 4363, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. *Fall.*
- MAP 5336 COS-MATH 3(3,0)**  
**Ordinary Differential Equations and Applications:** PR: MAA 5228 or C.I. Existence and uniqueness of solutions of differential equations, systems of ordinary differential equations, autonomous systems, phase plane analysis, stability, bifurcations. *Spring.*
- MAP 5396 COS-MATH 3(3,0)**  
**Splines and Data Fitting:** PR: MAS 3106, MAS 3105, MAP 2302, and graduate status or senior standing or C.I. Univariate splines and their application to data fitting. Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. *Occasional.*
- MAP 5404 COS-MATH 3(3,0)**  
**Mathematical Foundations for Industrial Engineering and Operations:** PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory; basic elements of topology, real analysis, graph theory, and matrix analysis. *Occasional.*
- MAP 5426 COS-MATH 3(3,0)**  
**Special Functions:** PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. *Occasional.*
- MAP 5435 COS-MATH 3(3,0)**  
**Advanced Mathematics for Engineers:** PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. *Occasional.*
- MAP 5514 COS-MATH 3(3,0)**  
**Linear and Nonlinear Waves I:** PR: MAP 2302, MAP 4363, and graduate status or senior standing, or C.I. Equations of motion in inviscid 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 investigations. Different branches of mathematics will be presented for a sense of diversity. *Occasional.*
- MAR 3023 BA-MAR 4(4,0)**  
**Marketing:** PR: Admission to UCF. Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. *Fall, Spring.*
- MAR 3023H BA-MAR 4(4,0)**  
**Marketing - Honors:** PR: Permission of Honors College. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. *Fall.*
- MAR 3203 BA-MAR 4(4,0)**  
**Supply Chain Management:** PR: Admission to the College of Business. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customers' demands. *Fall, Spring.*
- MAR 3203H BA-MAR 4(4,0)**  
**Honors Supply Chain Management:** PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customer's demands. With Honors content. *Fall, Spring.*
- MAR 3323 BA-MAR 3(3,0)**  
**Integrated Marketing Communication:** PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of 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: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. *Fall, Spring.*

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- MAR 3391H BA-MAR 3(3,0)**  
**Honors Professional Selling:** PR: MAR 3023 and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. *Spring.*
- MAR 3403 BA-MAR 3(3,0)**  
**Sales Force Management:** PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. *Fall, Spring.*
- MAR 3503 BA-MAR 3(3,0)**  
**Consumer Behavior:** PR: MAR 3023 with a grade of C (2.0) or better and common program prerequisites and appropriate major or minor. End user and business customer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies. *Fall, Spring.*
- MAR 3613 BA-MAR 3(3,0)**  
**Marketing Analysis and Research:** PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3032 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. *Fall, Spring.*
- MAR 3641 BA-MAR 3(3,0)**  
**Marketing Intelligence:** PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. *Fall, Spring.*
- MAR 3721 BA-MAR 3(3,0)**  
**Technology Applications in Marketing:** PR: MAR 3023 with a grade of C (2.0) or better and completion of Common Program Prerequisites and appropriate Major or Minor. Application of contemporary technology to marketing decision-making. *Occasional.*
- MAR 3765 BA-MAR 3(3,0)**  
**Entrepreneurial Marketing:** PR: MAR 3023 with a grade of C(2.0) or better and common program prerequisites and appropriate Major or Minor. Exploration of how marketing and entrepreneurship affect and are affected by one another. *Fall, Spring.*
- MAR 4156 BA-MAR 3(3,0)**  
**International Marketing:** PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategy, policy and the variables in international marketing decisions. *Fall, Spring.*
- MAR 4231 BA-MAR 3(3,0)**  
**Retailing Management:** PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. *Occasional.*
- MAR 4413C BA-MAR 3(2,3)**  
**Strategic Issues in Sales-Lecture:** PR: MAR 3023, MAR 4415C, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. *Spring.*
- MAR 4415C BA-MAR 3(2,3)**  
**Advanced Professional Selling:** PR: MAR 3023 and common program prerequisites and appropriate Major or Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, 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 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 3503 with a grade of C (2.0) or better and MAR 3613 with a grade of 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 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 4803 with a grade of C (2.0) or better. Marketing problems are explored, with emphasis on strategy formulation and integrative marketing decision-making. *Fall, Spring.*
- 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, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. *Fall, Spring.*
- MAS 3105 COS-MATH 4(4,0)**  
**Matrix and Linear Algebra:** PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in  $R^n$ , linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. *Fall, Spring.*
- MAS 3106 COS-MATH 4(4,0)**  
**Linear Algebra:** PR: MHF 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, innerproducts, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). *Spring.*
- MAS 3203 COS-MATH 3(3,0)**  
**Introduction to Number Theory:** PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. *Spring.*
- MAS 4301 COS-MATH 3(3,0)**  
**Abstract Algebra I:** PR: MHF 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. *Fall.*
- MAS 4302 COS-MATH 3(3,0)**  
**Abstract Algebra II:** PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory: introduction to Galois theory. *Spring.*
- MAS 4934 COS-MATH 3(3,0)**  
**Topics in Algebra and Discrete Mathematics:** PR: MAS 3106, MAS 4301, and MAD 4203 or MAD 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. *Occasional.*
- MAS 5145 COS-MATH 3(3,0)**  
**Advanced Linear Algebra and Matrix Theory:** PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. *Even Fall.*
- MAS 5311 COS-MATH 3(3,0)**  
**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, Sylow 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 satisfy either the GEP or Gordon Rule. *Occasional.*
- MAT 5712 COS-MATH 3(3,0)**  
**Scientific Computing:** PR: MAC 2313, MAP 2302, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and Integration. *Even Fall.*
- MCB 1310 COM-M&M 3(3,0)**  
**Introduction to Biotechnology and Genetic Engineering:** Introduction to theories, laws, principles, foundations, scientific methods of genetic engineering & biotechnology and their applications in agriculture, environment and human health. *Fall, Spring.*
- MCB 2004C COM-M&M 4(3,2)**  
**Microbiology for Health Professionals:** PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. *Spring.* M&S fee \$45.00
- MCB 3020C COM-M&M 5(3,4)**  
**General Microbiology:** PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology environmental control, ecology, pathogenicity; and laboratory techniques. *Fall, Spring.* M&S fee \$45.00
- MCB 3020H COM-M&M 5(3,5)**  
**General Microbiology Honors:** PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors content. *Fall.*
- MCB 3202 COM-M&M 3(3,0)**  
**Principles of Infectious Disease:** PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. *Occasional.*
- MCB 3203 COM-M&M 3(3,0)**  
**Pathogenic Microbiology:** PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. *Spring.*
- MCB 3203L COM-M&M 1(0,3)**  
**Pathogenic Microbiology Lab:** CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. *Spring.* M&S fee \$45.00
- MCB 3404 COM-M&M 3(3,0)**  
**Bacterial Genetics and Physiology:** PR: PCB 3522. Basic principles of microbial genetic analysis and emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. *Spring.*



## UCF Courses and Descriptions

<b>MCB 3522H</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Biotechnology and Genetic Engineering Seminar:</b> PR: Permission of Honors. Principles, applications, laws, ethics and impact on society of biotechnology and genetic engineering in agriculture, medicine, forestry, environment, computer/ industrial/ chemical engineering and business administration. <i>Occasional.</i>
<b>MCB 4114C</b>	<b>COM-M&amp;M</b>	<b>4(3,3)</b>	<b>Determinative &amp; Systemic Microbiology:</b> PR: MCB 3020C, MCB 3203. Microbial classification taxonomic rules and nomenclature techniques for identification and interrelating the phyla and taxa of bacteria. <i>Occasional.</i> M&S fee \$15.00
<b>MCB 4203</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Infectious Processes:</b> PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. <i>Fall.</i>
<b>MCB 4204</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Cellular Microbiology: Host-Pathogen Interactions:</b> PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. <i>Spring.</i>
<b>MCB 4276</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Epidemiology of Infectious Diseases:</b> PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. <i>Spring.</i>
<b>MCB 4312</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Molecular Biotechnology:</b> PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. <i>Fall.</i>
<b>MCB 4414</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Microbial Metabolism:</b> PR: MCB 3020C, CR: BCH 4053. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. <i>Fall, Spring.</i>
<b>MCB 4503C</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Virology:</b> PR: PCB 3522. Concepts of structure and function of viruses, virus-host interactions and viral, and related disease states. <i>Occasional.</i>
<b>MCB 4603</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Environmental Microbiology:</b> PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. <i>Fall.</i>
<b>MCB 4720</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Industrial Perspectives Seminar:</b> PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. <i>Fall.</i>
<b>MCB 4721C</b>	<b>COM-M&amp;M</b>	<b>4(2,4)</b>	<b>Methods in Biotechnology:</b> PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. <i>Occasional.</i> M&S fee \$70.00
<b>MCB 4920C</b>	<b>COM-M&amp;M</b>	<b>3(1,4)</b>	<b>Group-Effort Applied Research:</b> PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. <i>Occasional.</i>
<b>MCB 5205</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Infectious Processes:</b> PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. <i>Fall.</i>
<b>MCB 5208</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Cellular Microbiology: Host-Pathogen Interactions:</b> PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. <i>Spring.</i>
<b>MCB 5225</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Molecular Biology of Disease:</b> PR: Graduate standing or C.I. An in-depth study of the molecular biological mechanism of diseases in experimental animal models and human populations. <i>Occasional.</i>
<b>MCB 5314</b>	<b>COM-M&amp;M</b>	<b>1(1,0)</b>	<b>Industrial Perspectives Seminar:</b> PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. <i>Fall.</i>
<b>MCB 5505</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Molecular Virology:</b> PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. <i>Occasional.</i>
<b>MCB 5527</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Genetic Engineering and Biotechnology:</b> 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 indepth. <i>Fall.</i>
<b>MCB 5654</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Applied Microbiology:</b> PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. <i>Occasional.</i>
<b>MCB 5722C</b>	<b>COM-M&amp;M</b>	<b>4(2,4)</b>	<b>Methods in Biotechnology:</b> PR: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. <i>Occasional.</i> M&S fee \$70.00
<b>MCB 5932</b>	<b>COM-M&amp;M</b>	<b>Variable</b>	<b>Current Topics in Molecular Biology:</b> PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. <i>Occasional.</i>
<b>MET 2104</b>	<b>COS-PHYS</b>	<b>3(3,0)</b>	<b>The Earth's Climate:</b> History, physics and dynamics of the Earth's climate. <i>Odd Spring.</i>
<b>MGF 1106</b>	<b>COS-MATH</b>	<b>3(3,0)</b>	<b>Finite Mathematics:</b> PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a "C" (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. <i>Fall.</i>
<b>MGF 1107</b>	<b>COS-MATH</b>	<b>3(3,0)</b>	<b>Explorations in Mathematics:</b> PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a "C" (2.0) or better, or C.I. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. <i>Fall, Spring.</i>
<b>MHF 3302</b>	<b>COS-MATH</b>	<b>3(3,0)</b>	<b>Logic and Proof in Mathematics:</b> PR: MAC 2311. CR: MAC 2312. Basic mathematical logic. Methods of proof in mathematics. Application of proofs to elementary mathematical structures. <i>Fall, Spring.</i>
<b>MHF 4404</b>	<b>COS-MATH</b>	<b>3(3,0)</b>	<b>History of Mathematics:</b> PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. <i>Fall.</i>
<b>MHS 2330</b>	<b>ED-E&amp;HS</b>	<b>3(3,0)</b>	<b>Career Planning:</b> Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. <i>Odd Fall, Even Spring.</i>
<b>MHS 2441</b>	<b>ED-E&amp;HS</b>	<b>3(3,0)</b>	<b>Marriage and Intimate Relationships:</b> Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparation and marital education. <i>Occasional.</i>
<b>MHS 5005</b>	<b>ED-E&amp;HS</b>	<b>3(3,0)</b>	<b>Introduction to the Counseling Profession:</b> PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. <i>Fall, Spring.</i>
<b>MLS 3220C</b>	<b>COM-M&amp;M</b>	<b>3(3,3)</b>	<b>Techniques in Clinical Microscopy:</b> PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. <i>Fall.</i> M&S fee \$70.00
<b>MLS 3305</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Hematology:</b> PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. <i>Spring.</i>
<b>MLS 3305L</b>	<b>COM-M&amp;M</b>	<b>1(0,6)</b>	<b>Hematology Lab:</b> PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. <i>Spring.</i>
<b>MLS 3705</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Concepts in Education/Management:</b> PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. <i>Spring.</i>
<b>MLS 4334</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Hemostasis:</b> PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. <i>Occasional.</i>
<b>MLS 4420C</b>	<b>COM-M&amp;M</b>	<b>1(1,2)</b>	<b>Clinical Mycology:</b> PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. <i>Occasional.</i> M&S fee \$15.00
<b>MLS 4430C</b>	<b>COM-M&amp;M</b>	<b>2(1,3)</b>	<b>Clinical Parasitology:</b> PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. <i>Even Fall.</i> M&S fee \$15.00
<b>MLS 4460C</b>	<b>COM-M&amp;M</b>	<b>5(3,6)</b>	<b>Clinical Pathogenic Microbiology:</b> PR: Admission to the professional phase of the MLS program. Analysis of clinical pathogenic bacteria, fungi and viruses and their correlation to disease. <i>Spring.</i> M&S fee \$45.00
<b>MLS 4505C</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Immunodiagnosics:</b> PR: PCB 3233. Theory and application of immunologic principles and their use in diagnosis of human disease. <i>Spring.</i> M&S fee \$45.00
<b>MLS 4550</b>	<b>COM-M&amp;M</b>	<b>4(2,6)</b>	<b>Clinical Immunohematology:</b> PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. <i>Spring.</i> M&S fee \$70.00
<b>MLS 4625</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Advanced Clinical Chemistry I:</b> PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. <i>Fall.</i>
<b>MLS 4625L</b>	<b>COM-M&amp;M</b>	<b>1(0,3)</b>	<b>Advanced Clinical Chem I Lab:</b> CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. <i>Fall.</i> M&S fee \$70.00
<b>MLS 4630</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>Advanced Clinical Chemistry II:</b> PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. <i>Spring.</i>

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<b>MLS 4630L</b> <b>COM-M&amp;M</b> <b>1(0,3)</b> <b>Advanced Clinical Chem II Lab:</b> PR: CHM 2205 or C.I. CR: MLS 4630. Performance of laboratory procedures routinely used in a clinical chemistry laboratory. <i>Occasional.</i>	<b>MMC 4602</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>Contemporary Media Issues:</b> 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. <i>Even Spring.</i>	<b>MUC 2104C</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Composition II:</b> PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. <i>Fall, Spring.</i>
<b>MLS 4830C</b> <b>COM-M&amp;M</b> <b>4(4,8)</b> <b>Interpretive &amp; Practical Clinical Chemistry:</b> PR: Admission to the MLS program, MLS 4625, MLS 4630. Clinical instruction and practice in the clinical chemistry laboratory. Case studies, chemist review, hands on practice both in the student lab and affiliate. <i>Fall.</i> M&S fee \$15.00	<b>MSL 1001C</b> <b>ECS-AROTC</b> <b>2(1,1)</b> <b>Foundations of Officership:</b> Examines the unique duties and responsibilities of officers, organization and role of the Army, reviews skills pertaining to fitness and communication, and analyze Army values and expected behavior. May be repeated for credit. <i>Fall.</i>	<b>MUC 3105C</b> <b>CAH-MUSIC</b> <b>3(1,1)</b> <b>Composition III:</b> PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MLS 4831C</b> <b>COM-M&amp;M</b> <b>4(4,8)</b> <b>Interpretive &amp; Practical Immunohematology:</b> PR: Admission to the MLS program, MLS 4550, MLS 4505C. Advanced study of principles of immunohematology. Application and performance of technique to solve problems in blood banking will be included. <i>Fall.</i> M&S fee \$15.00	<b>MSL 1002C</b> <b>ECS-AROTC</b> <b>2(1,1)</b> <b>Basic Leadership:</b> Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. <i>Spring.</i>	<b>MUC 4106C</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Composition IV:</b> 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. <i>Fall, Spring.</i>
<b>MLS 4832C</b> <b>COM-M&amp;M</b> <b>4(4,8)</b> <b>Interpretive &amp; Practical Hematology:</b> PR: Admission to the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiological correlation to hematology disorders. Correlation of case studies and clinical practice in both student labs and clinical affiliates. <i>Fall.</i> M&S fee \$15.00	<b>MSL 2101C</b> <b>ECS-AROTC</b> <b>2(1,1)</b> <b>Individual Leadership Studies:</b> Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. <i>Fall.</i>	<b>MUC 4950</b> <b>CAH-MUSIC</b> <b>0(0,0)</b> <b>Composition Recital:</b> CR: MUC 4106C. Culminating public concert of works written while studying Composition I-IV. Graded S/U. <i>Odd Fall.</i>
<b>MLS 4833C</b> <b>COM-M&amp;M</b> <b>4(4,8)</b> <b>Diagnostic Microbiology:</b> PR: Admission to the MLS program, MLS 4460C. Practical application of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. <i>Fall.</i> M&S fee \$15.00	<b>MSL 2102C</b> <b>ECS-AROTC</b> <b>2(1,1)</b> <b>Leadership and Teamwork:</b> Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. <i>Spring.</i>	<b>MUC 5112</b> <b>CAH-MUSIC</b> <b>2(1,0)</b> <b>Composition V:</b> 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. <i>Occasional.</i>
<b>MLS 4834C</b> <b>COM-M&amp;M</b> <b>4(4,8)</b> <b>Advanced Instrumentation:</b> PR: Admission to the MLS program, MLS 4833C. An examination review & practice of technologies impacting the clinical laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. <i>Occasional.</i>	<b>MSL 3201C</b> <b>ECS-AROTC</b> <b>4(3,1)</b> <b>Leadership and Problem Solving:</b> PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. <i>Fall.</i>	<b>MUC 5445</b> <b>CAH-MUSIC</b> <b>3(3,0)</b> <b>Electroacoustic Music Composition:</b> PR: MUS 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. <i>Occasional.</i>
<b>MLS 4910</b> <b>COM-M&amp;M</b> <b>1(1,0)</b> <b>Introduction to Clinical Research:</b> PR: MLS 3220C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the clinical setting. <i>Spring.</i>	<b>MSL 3202C</b> <b>ECS-AROTC</b> <b>4(3,1)</b> <b>Leadership and Ethics:</b> PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. <i>Spring.</i>	<b>MUE 2040</b> <b>CAH-MUSIC</b> <b>2(2,0)</b> <b>Introduction to Music Education:</b> PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. <i>Fall.</i>
<b>MLS 4933</b> <b>COM-M&amp;M</b> <b>2(2,0)</b> <b>Medical Technology Seminar:</b> PR: MLS Senior status. Review of MLS coursework, case study discussions and preparation for certification. Graded S/U. <i>Spring.</i>	<b>MSL 4301C</b> <b>ECS-AROTC</b> <b>4(3,1)</b> <b>Leadership and Management:</b> PR: MSL 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. <i>Fall.</i>	<b>MUE 2211</b> <b>ED-CFCS</b> <b>3(3,0)</b> <b>Early Childhood Music and Movement:</b> An examination of the role of music and creative movement in the lives of young children. <i>Occasional.</i>
<b>MMC 2004</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>Mass Media:</b> Introduction to the nation's mass media, including newspapers, radio, television, magazines, advertising, and public relations. <i>Fall, Spring.</i>	<b>MSL 4302C</b> <b>ECS-AROTC</b> <b>4(3,1)</b> <b>Officership:</b> PR: MSL 4301C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. <i>Spring.</i>	<b>MUE 2346</b> <b>CAH-MUSIC</b> <b>1(0,2)</b> <b>Vocal Techniques:</b> PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. <i>Odd Spring.</i>
<b>MMC 3200</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>Mass Communication Law:</b> PR: AMH 2010 or AMH 2020 or POS 2041. Legal rights and responsibilities of the mass media. <i>Fall, Spring.</i>	<b>MTG 4212</b> <b>COS-MATH</b> <b>4(4,0)</b> <b>Modern Geometries:</b> PR: MAC 2311 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. <i>Fall.</i>	<b>MUE 2440</b> <b>CAH-MUSIC</b> <b>1(0,2)</b> <b>String Techniques:</b> PR: MUED major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. <i>Spring.</i> M&S fee \$30.00
<b>MMC 3420</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>Mass Media Research Methods:</b> PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. <i>Fall, Spring.</i>	<b>MTG 4302</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Introduction to Topology:</b> PR: MHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. <i>Spring.</i>	<b>MUE 2450</b> <b>CAH-MUSIC</b> <b>1(1,0)</b> <b>Woodwind Techniques I:</b> PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. <i>Fall.</i>
<b>MMC 4263</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>New Media Technologies:</b> PR: Majors only, RTV 3200. An examination of the technologies impacting the communications media environment and society. <i>Occasional.</i>	<b>MTG 5253</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Introduction to Differential Geometry:</b> 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. <i>Fall.</i>	<b>MUE 2460</b> <b>CAH-MUSIC</b> <b>1(0,2)</b> <b>Brass Techniques:</b> PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. <i>Fall.</i>
<b>MMC 4300</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>International Media:</b> PR: Junior standing or C.I. The student will analyze different communication systems from around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. <i>Occasional.</i>	<b>MTG 5256</b> <b>COS-MATH</b> <b>3(3,0)</b> <b>Differential Geometry:</b> PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. <i>Occasional.</i>	<b>MUE 2470</b> <b>CAH-MUSIC</b> <b>1(0,2)</b> <b>Percussion Techniques:</b> PR: MUED major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. <i>Spring.</i> M&S fee \$35.00
<b>MMC 4411</b> <b>COS-COMM</b> <b>3(3,0)</b> <b>Ad-PR Campaigns:</b> PR: Ad-PR majors only and ADV 3008, PUR 4000, PUR 3100 or ADV 4101. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. <i>Even Fall, Odd Spring.</i>	<b>MUC 1101C</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Composition I:</b> PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. <i>Fall, Spring.</i>	<b>MUE 2471</b> <b>CAH-MUSIC</b> <b>1(1,1)</b> <b>Percussion Techniques II:</b> PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. <i>Odd Spring.</i> M&S fee \$35.00
		<b>MUE 3210</b> <b>ED-TL&amp;L</b> <b>1(1,0)</b> <b>Music in the Elementary School:</b> PR: EDF 2005; CR: ARE 4313, HLP 4722, RED 4519, MAE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. <i>Fall, Spring.</i>



## UCF Courses and Descriptions

<b>MUE 3333</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUE 4354</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>MUH 3211</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Music Learning Theory and Assessment:</b> PR: MUE 2040. Learning theory and practical applications of assessment techniques as applied in the music classroom. <i>Odd Spring.</i>			<b>General Music: ORFF Level I:</b> PR: Junior Standing or C.I. ORFF SCHULWERK methods of music education for pre-K - grade 8. Development of personal and pedagogical skills in singing, moving, playing Orff instruments, recorder and compositions. <i>Occasional.</i>			<b>Music History and Literature I:</b> PR: MUL 2014 and MUT 1122. History of Western European art music from Antiquity to 1750. <i>Fall, Spring.</i>		
<b>MUE 3353</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>MUE 4393</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>MUH 3212</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>General Music Literature and Techniques:</b> PR: MUE 2040. Diverse literature and techniques for the general music classroom. <i>Odd Spring.</i>			<b>Music and Students with Special Needs:</b> PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. <i>Odd Fall.</i>			<b>Music History and Literature II:</b> PR: MUE 2014 and MUT 1122. History of Western European and American art music from 1750 to present day. <i>Fall, Spring.</i>		
<b>MUE 3451</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>MUE 4394</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>MUH 4218</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>
<b>Woodwind Techniques II:</b> PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. <i>Occasional.</i>			<b>Seminar in Music Teaching:</b> PR: Internship I; CR: ESE 4943. Content and strategies for classroom management and exceptional education for music teachers. <i>Odd Spring.</i>			<b>Review of Music History:</b> PR: C.I. A review of music history from Ancient Greece to the present. <i>Occasional.</i>		
<b>MUE 3461</b>	<b>CAH-MUSIC</b>	<b>1(1,1)</b>	<b>MUE 4441</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUH 4322</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Brass Techniques II:</b> PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. <i>Odd Spring.</i>			<b>String Methods:</b> PR: MUE 4332. String teaching methods for high school students in a large classroom setting. <i>Odd Spring.</i>			<b>Medieval and Renaissance Music:</b> PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. <i>Even Fall.</i>		
<b>MUE 3490</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>MUE 4943</b>	<b>CAH-MUSIC</b>	<b>12(12,0)</b>	<b>MUH 4341</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Aural Skills Techniques:</b> PR: MUT 2127. Teaching techniques for teaching audiation, sight singing, harmony, beginning vocal harmonization and improvisation. <i>Odd Spring.</i>			<b>Music Internship II:</b> PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. <i>Fall, Spring.</i>			<b>Music of the Baroque:</b> PR: MUH 3211 and MUH 3212. Music and culture during the Baroque period, 1600-1750. <i>Occasional.</i>		
<b>MUE 3693</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>MUE 5348C</b>	<b>CAH-MUSIC</b>	<b>4(4,0)</b>	<b>MUH 4351</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Technology in Music Education:</b> PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. <i>Odd Spring.</i> M&S fee \$2.00			<b>K-12 Music Methods:</b> 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. <i>Spring.</i>			<b>Eighteenth-Century Music:</b> PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. <i>Even Fall.</i>		
<b>MUE 3942</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUE 5921</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>MUH 4361</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Music Internship I:</b> PR: MUE 4311, MUE 3333, EDG 4410, TSL 4080, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. <i>Fall, Spring.</i>			<b>Music Education Workshop:</b> 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. <i>Occasional.</i>			<b>Music of the 19th Century:</b> 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. <i>Odd Fall.</i>		
<b>MUE 4311</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>MUG 3104</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>MUH 4371</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Elementary School Music Methods:</b> 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. <i>Fall.</i>			<b>Basic Conducting:</b> PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. <i>Fall.</i>			<b>Music Since 1900:</b> PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. <i>Odd Spring.</i>		
<b>MUE 4330</b>	<b>ED-TL&amp;L</b>	<b>2(2,0)</b>	<b>MUG 3202</b>	<b>CAH-MUSIC</b>	<b>Variable</b>	<b>MUH 4814</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Secondary School Music Methods:</b> PR: MUE 4311 or C.I. Instructional planning, techniques and materials in middle school, junior high and senior high classrooms; consideration of general music education program, evaluation materials and procedures. <i>Spring.</i>			<b>Choral Conducting and Materials:</b> PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. <i>Even Spring.</i>			<b>Jazz Styles and Analysis:</b> PR: MUT 3171 and MUL 2016, or C.I. Historical style periods and master artists in jazz music. <i>Odd Spring.</i>		
<b>MUE 4331</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUG 3302</b>	<b>CAH-MUSIC</b>	<b>Variable</b>	<b>MUH 5326</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Secondary Choral Methods I:</b> PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. <i>Odd Spring.</i>			<b>Instrumental Conducting and Materials:</b> PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. <i>Spring.</i>			<b>Medieval and Renaissance Music:</b> PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. <i>Occasional.</i>		
<b>MUE 4332</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUG 4103C</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>MUH 5345</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Secondary Instrumental Methods I:</b> PR: MUE 2040. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. <i>Odd Spring.</i>			<b>Advanced Conducting:</b> PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. <i>Occasional.</i>			<b>Music of the Baroque:</b> 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. <i>Even Spring.</i>		
<b>MUE 4335</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUH 2017</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUH 5356</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Secondary Choral Methods II:</b> PR: MUE 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. <i>Odd Spring.</i>			<b>Survey of Rock Music:</b> Rise of rock music to prominence, and its impact on audience reception. No musical background required. <i>Fall, Spring.</i>			<b>Eighteenth-Century Music:</b> PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. <i>Occasional.</i>		
<b>MUE 4337</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUH 2017H</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUH 5365</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>Secondary Instrumental Methods II:</b> PR: MUE 4332. Wind and percussion teaching methods for high school students in a large classroom setting. <i>Odd Spring.</i>			<b>Honors Survey of Rock Music:</b> PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content. <i>Even Fall.</i>			<b>Music of the 19th Century:</b> PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. <i>Odd Fall.</i>		
<b>MUE 4350</b>	<b>ED-TL&amp;L</b>	<b>2-3(2-3,0)</b>	<b>MUH 2019</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>MUH 5375</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
<b>General Music Pre-K through Grade 8:</b> PR: Consent of instructor. Designed for music educators. Exploration of music materials and teaching strategies for enhancing students' learning through music. Experience with recorder, movement, choral, conducting, and curriculum infusion included. Implementation project available. Graded S/U. May be repeated for credit. <i>Occasional.</i>			<b>American Popular Music, 1840s-present:</b> Musical and cultural development of popular music in the United States from the 1840s to the present. <i>Fall, Spring.</i>			<b>Music Since 1900:</b> PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art Music from c. 1900 to the present. <i>Occasional.</i>		
			<b>MUH 2071C</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>MUH 5665</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>
			<b>World Music Survey and Performance Laboratory:</b> PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. <i>Occasional.</i>			<b>Development of Opera:</b> 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. <i>Even Spring.</i>		

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<b>MUL 2014</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Introduction to Music History and Literature:</b> PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition, American jazz, and non-western music. <i>Odd Spring.</i>	<b>MUM 5806</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Performing Arts Management:</b> 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. <i>Spring.</i>	<b>MUN 3443</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Percussion Ensemble:</b> PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$35.00
<b>MUL 2016</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Evolution of Jazz:</b> Survey of jazz literature and performance. <i>Fall, Spring.</i>	<b>MUN 2442</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Percussion/Mallet Ensemble:</b> PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. <i>Fall.</i> M&S fee \$30.00	<b>MUN 3444</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Mallet Ensemble:</b> PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. <i>Fall, Odd Spring.</i> M&S fee \$35.00
<b>MUL 2720</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Music of the World:</b> Music in cross-cultural context. Relation of music to religion and society. <i>Fall, Spring.</i>	<b>MUN 3113</b>	<b>CAH-MUSIC</b>	<b>2(0,8)</b>	<b>Marching Band:</b> PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. <i>Fall.</i> M&S fee \$36.54	<b>MUN 3453</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Piano Ensemble:</b> PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUL 3381</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Contemporary Popular Music:</b> PR: MUL 2010 or MUT 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. <i>Spring.</i>	<b>MUN 3123</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Concert Band:</b> PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 3483</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>String Ensemble:</b> PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUL 3400</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Piano Literature I:</b> 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. <i>Odd Fall.</i>	<b>MUN 3143</b>	<b>CAH-MUSIC</b>	<b>1(0,4)</b>	<b>Wind Ensemble:</b> PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 3487</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Guitar Ensemble:</b> 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. <i>Odd Spring.</i> M&S fee \$20.00
<b>MUL 3401</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Piano Literature II:</b> PR: MUL 3400. Continuation of MUL 3400. <i>Even Spring.</i>	<b>MUN 3283</b>	<b>CAH-MUSIC</b>	<b>1(0,5)</b>	<b>Symphony Orchestra:</b> PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 3713</b>	<b>CAH-MUSIC</b>	<b>1(0,4)</b>	<b>Jazz Lab:</b> PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUL 3463</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>Percussion Literature:</b> PR: Music major (Percussion), Junior standing, C.I. Survey of music written for percussion instruments. <i>Odd Fall.</i>	<b>MUN 3313</b>	<b>CAH-MUSIC</b>	<b>1(3,0)</b>	<b>University Choir:</b> PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 3714</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Jazz Combo:</b> PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUL 3602</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Song Literature:</b> PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. <i>Odd Fall.</i>	<b>MUN 3323</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Women's Chorus:</b> PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 3723</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Vocal-Jazz Ensemble:</b> PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Occasional.</i>
<b>MUL 4437</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>String Literature and Pedagogy:</b> PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. <i>Odd Spring.</i>	<b>MUN 3343</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Madrigal Singers:</b> PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 3813</b>	<b>CAH-MUSIC</b>	<b>1(1,1)</b>	<b>Steel Drum Ensemble:</b> PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUL 4438</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Guitar Literature and Pedagogy:</b> PR: MVS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. <i>Odd Fall.</i>	<b>MUN 3423</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Woodwind Ensemble:</b> PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 4476</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Early Music Ensemble:</b> PR: C.I. Study and performance of pre-classical music. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$5.00
<b>MUL 4443</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Brass Literature and Pedagogy:</b> PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. <i>Odd Spring.</i>	<b>MUN 3426</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Saxophone Ensemble:</b> 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. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 5125</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Concert Band:</b> 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. <i>Odd Fall.</i> M&S fee \$20.00
<b>MUL 4444</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Woodwind Literature and Pedagogy:</b> PR: Music major and MUL 2014. Important literature written for woodwind instruments, and basic concepts and techniques to teach woodwinds. <i>Odd Spring.</i>	<b>MUN 3427</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Flute Ensemble:</b> 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. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 5145</b>	<b>CAH-MUSIC</b>	<b>1(0,4)</b>	<b>Wind Ensemble:</b> 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. <i>Odd Fall.</i> M&S fee \$20.00
<b>MUL 5215</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Electronic Music Literature:</b> PR: MUL 2010, MUL 2014, MUL 2016, MUH 2017, or MUH 2019, or C.I. Survey of electronic music and music technology with emphasis on history, sociological perspectives and aesthetics. <i>Occasional.</i>	<b>MUN 3431L</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Brass Quintet:</b> 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. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 5215</b>	<b>CAH-MUSIC</b>	<b>1(0,5)</b>	<b>Symphony Orchestra:</b> 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. <i>Odd Fall.</i> M&S fee \$20.00
<b>MUL 5436</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Guitar Literature and Pedagogy:</b> PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. <i>Odd Spring.</i>	<b>MUN 3433</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Brass Ensemble:</b> PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00	<b>MUN 5325</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Women's Chorus:</b> 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. <i>Odd Fall.</i> M&S fee \$20.00
<b>MUL 5439</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>String Literature and Pedagogy:</b> 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. <i>Odd Fall.</i>	<b>MUN 3437</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Trumpet Ensemble:</b> PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. <i>Occasional.</i> M&S fee \$20.00	<b>MUN 5368L</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Graduate Madrigal Singers:</b> 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. <i>Occasional.</i> M&S fee \$20.00
<b>MUL 5447</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Woodwind Literature and Pedagogy:</b> 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. <i>Odd Spring.</i>					<b>MUN 5385L</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Graduate University Chorus:</b> 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. <i>Occasional.</i> M&S fee \$20.00
<b>MUL 5448</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Brass Literature and Pedagogy:</b> PR: Graduate standing in Music or C.I. Significant brass repertoire, study materials and a review of teaching techniques for artistic brass performance. <i>Even Fall.</i>								

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<b>MUN 5445</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Percussion Ensemble:</b> 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. <i>Odd Fall.</i> M&S fee \$35.00
<b>MUN 5465L</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Graduate Chamber Music:</b> PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$20.00
<b>MUN 5478L</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Early Music Ensemble:</b> PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$5.00
<b>MUN 5715L</b>	<b>CAH-MUSIC</b>	<b>1(0,4)</b>	<b>Jazz Ensemble:</b> PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUN 5716L</b>	<b>CAH-MUSIC</b>	<b>1(0,2)</b>	<b>Jazz Chamber Group:</b> PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MUO 2501C</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Opera Skills:</b> PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. <i>Fall.</i>
<b>MUO 3503L</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Opera Workshop:</b> PR: MUO 2501C, or C.I., and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 8 times. <i>Occasional.</i> M&S fee \$70.00
<b>MUO 5505L</b>	<b>CAH-MUSIC</b>	<b>1(0,3)</b>	<b>Graduate Opera Workshop:</b> PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$70.00
<b>MUS 1010</b>	<b>CAH-MUSIC</b>	<b>0(9,2)</b>	<b>Music Forum:</b> A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. <i>Fall, Spring.</i>
<b>MUS 1250</b>	<b>CAH-MUSIC</b>	<b>1(2,0)</b>	<b>IPA for Singers:</b> PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. <i>Odd Fall.</i>
<b>MUS 1952C</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Study Abroad: Irish Music:</b> PR: C.I. The history, genres, forms, instruments, and performance of Irish music taught in the native environment. Graded S/U. <i>Occasional.</i>
<b>MUS 2360C</b>	<b>CAH-MUSIC</b>	<b>3(2,2)</b>	<b>Introduction to Music Technology:</b> PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. <i>Fall, Spring.</i> M&S fee \$15.83
<b>MUS 3254</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>Italian and French Lyric Diction:</b> PR: MUS 1250. Study and applications of the correct sung pronunciation of the Italian and French languages. <i>Odd Spring.</i>
<b>MUS 3255</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>German and English Lyric Diction:</b> PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. <i>Odd Spring.</i>
<b>MUS 3953</b>	<b>CAH-MUSIC</b>	<b>0(1,0)</b>	<b>Recital Performance I:</b> PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>
<b>MUS 4320</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Music Business and Industry:</b> PR: MUS 2360C or C.I. Today's music industry copyright, publishing, contracts and licensing. <i>Odd Spring.</i>
<b>MUS 4330</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Recording Techniques for Classical Music:</b> PR: MUL 2010 or C.I. Concert hall recording techniques for classical music. <i>Occasional.</i>
<b>MUS 4674</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Health and Wellness for the Performing Musician:</b> PR: MUT 2127 or C.I. Basic musculoskeletal anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, & pedagogic applications. <i>Even Spring.</i>
<b>MUS 4900</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Music BA Capstone Project:</b> PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. <i>Occasional.</i>
<b>MUS 4905</b>	<b>CAH-MUSIC</b>	<b>1-4(1-4)</b>	<b>Directed Experience:</b> PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. <i>Occasional.</i>
<b>MUS 4954</b>	<b>CAH-MUSIC</b>	<b>0(1,0)</b>	<b>Recital Performance II:</b> PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>
<b>MUS 5365</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Music and Technology:</b> PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. <i>Occasional.</i>
<b>MUS 5677</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Wellness for the Performing Musician:</b> PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. <i>Occasional.</i>
<b>MUT 1002</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Fundamentals of Music II:</b> PR: MUT 1004. Theory and sight singing skills. <i>Occasional.</i>
<b>MUT 1004</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Fundamentals of Music I:</b> Basic music theory and reading music at the keyboard. <i>Fall.</i>
<b>MUT 1121</b>	<b>CAH-MUSIC</b>	<b>4(2,3)</b>	<b>Music Theory and Musicianship I:</b> PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. <i>Odd Spring.</i>
<b>MUT 1122</b>	<b>CAH-MUSIC</b>	<b>4(2,3)</b>	<b>Music Theory and Musicianship II:</b> PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. <i>Odd Spring.</i>
<b>MUT 2126</b>	<b>CAH-MUSIC</b>	<b>4(2,3)</b>	<b>Music Theory and Musicianship III:</b> PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. <i>Odd Spring.</i>
<b>MUT 2127</b>	<b>CAH-MUSIC</b>	<b>4(2,3)</b>	<b>Music Theory and Musicianship IV:</b> PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. <i>Odd Spring.</i>
<b>MUT 3170</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Jazz Theory I:</b> PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. <i>Even Fall.</i>
<b>MUT 3171</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Jazz Theory II:</b> PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. <i>Odd Spring.</i>
<b>MUT 3622</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Analytical Approaches to Musical Rhythm:</b> PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm, rhythm in dance, performance, and non-Western music. <i>Occasional.</i>
<b>MUT 3923</b>	<b>CAH-MUSIC</b>	<b>3(0,3)</b>	<b>Jazz Workshop:</b> PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>
<b>MUT 4031</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Review of Music Theory:</b> PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. <i>Occasional.</i>
<b>MUT 4311</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Orchestration:</b> PR: MUS 2360C and MUT 2127. Technical and aesthetic principles of writing for instruments of the concert orchestra. <i>Odd Spring.</i>
<b>MUT 4401</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Counterpoint:</b> PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. <i>Even Spring.</i>
<b>MUT 4571</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Analysis of Twentieth-Century Music:</b> PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. <i>Odd Fall.</i>
<b>MUT 5316</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Orchestration:</b> PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. <i>Odd Spring.</i>
<b>MUT 5381</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Arranging and Composing Music:</b> PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. <i>Even Fall.</i>
<b>MUT 5445</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Counterpoint:</b> PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. <i>Even Spring.</i>
<b>MUT 5620</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Analysis of Twentieth Century Music:</b> PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. <i>Fall.</i>
<b>MUT 5936</b>	<b>CAH-MUSIC</b>	<b>3(3,0)</b>	<b>Music Theory Seminar:</b> PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. <i>Occasional.</i>
<b>MVB 1211</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Trumpet:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVB 1212</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary French Horn:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French Horn. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>



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<b>MVB 1213</b> <b>CAH-MUSIC</b> <b>1(0,1)</b> <b>Secondary Trombone:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 3435</b> <b>CAH-MUSIC</b> <b>2-3(1,1)</b> <b>Tuba III:</b> PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 2223</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Guitar II:</b> PR: MVJ 1213. Continuation of MVJ 1213. Scales, arpeggios, chord voicings and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>
<b>MVB 1214</b> <b>CAH-MUSIC</b> <b>1(0,1)</b> <b>Secondary Euphonium:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in euphonium. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 4441</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Trumpet IV:</b> PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 2224</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Bass II:</b> 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. <i>Odd Spring.</i>
<b>MVB 1215</b> <b>CAH-MUSIC</b> <b>1(0,1)</b> <b>Secondary Tuba:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 4442</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>French Horn IV:</b> PR: MVB 3432 and competence determined by faculty jury. Intensive advanced performance study of the French horn, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 2229</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Drum Set II:</b> 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. <i>Odd Spring.</i>
<b>MVB 1411</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Trumpet I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 4443</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Trombone IV:</b> PR: MVB 3433 and competence determined by faculty jury. Intensive advanced performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 3230</b> <b>CAH-MUSIC</b> <b>3(1,1)</b> <b>Jazz Piano III:</b> PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>
<b>MVB 1412</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>French Horn I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 4444</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Euphonium IV:</b> PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 3233</b> <b>CAH-MUSIC</b> <b>3(1,1)</b> <b>Jazz Guitar III:</b> 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. <i>Odd Spring.</i>
<b>MVB 1413</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Trombone I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 4445</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Tuba IV:</b> PR: MVB 3435 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 3234</b> <b>CAH-MUSIC</b> <b>3(1,1)</b> <b>Jazz Bass III:</b> 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. <i>Odd Spring.</i>
<b>MVB 1414</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Euphonium I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 5451</b> <b>CAH-MUSIC</b> <b>2(1,0)</b> <b>Trumpet V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 3339</b> <b>CAH-MUSIC</b> <b>3(1,1)</b> <b>Jazz Drum Set III:</b> 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. <i>Odd Spring.</i>
<b>MVB 1415</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Tuba I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Even Fall, Spring.</i>	<b>MVB 5452</b> <b>CAH-MUSIC</b> <b>2(1,0)</b> <b>French Horn V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 4240</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Jazz Piano IV:</b> PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>
<b>MVB 2421</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Trumpet II:</b> PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 5453</b> <b>CAH-MUSIC</b> <b>2(1,0)</b> <b>Trombone V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 4243</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Jazz Guitar IV:</b> PR: MVJ 3233. Continuation of MVJ 3233. 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. <i>Odd Spring.</i>
<b>MVB 2422</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>French Horn II:</b> PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 5454</b> <b>CAH-MUSIC</b> <b>2(1,0)</b> <b>Baritone V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 4244</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Jazz Bass IV:</b> 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. <i>Odd Spring.</i>
<b>MVB 2423</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Trombone II:</b> PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVB 5455</b> <b>CAH-MUSIC</b> <b>2(1,0)</b> <b>Tuba V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 4349</b> <b>CAH-MUSIC</b> <b>4(1,1)</b> <b>Jazz Drum Set IV:</b> 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. <i>Odd Spring.</i>
<b>MVB 2424</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Euphonium II:</b> PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 1010</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Piano I:</b> PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>	<b>MVJ 5350C</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Piano V:</b> 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. <i>Fall, Spring.</i>
<b>MVB 2425</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Tuba II:</b> PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVJ 1213</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Guitar I:</b> PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>	<b>MVJ 5353C</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Guitar V:</b> 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. <i>Fall, Spring.</i>
<b>MVB 3431</b> <b>CAH-MUSIC</b> <b>2-3(1,1)</b> <b>Trumpet III:</b> PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 1214</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Bass I:</b> PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>	<b>MVJ 5354C</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Bass V:</b> 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. <i>Fall, Spring.</i>
<b>MVB 3432</b> <b>CAH-MUSIC</b> <b>2-3(1,1)</b> <b>French Horn III:</b> PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 1219</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Drum Set I:</b> PR: Music major or C.I. Basic Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>	
<b>MVB 3433</b> <b>CAH-MUSIC</b> <b>2-3(1,1)</b> <b>Trombone III:</b> PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVJ 2220</b> <b>CAH-MUSIC</b> <b>2(1,1)</b> <b>Jazz Piano II:</b> PR: MVJ 1010. Continuation of MVJ 1010. Scale Studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. <i>Odd Spring.</i>	
<b>MVB 3434</b> <b>CAH-MUSIC</b> <b>2-3(1,1)</b> <b>Euphonium III:</b> PR: MVB 2424 and competence determined by faculty jury. Continued study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>		



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<b>MVJ 5359C</b> CAH-MUSIC 2(1,1) <b>Jazz Drum Set V:</b> 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. <i>Fall, Spring.</i> M&S fee \$35.00	<b>MVK 5650</b> CAH-MUSIC 2(2,0) <b>Piano Pedagogy:</b> PR: Graduate standing in Music or C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching. <i>Even Spring.</i>	<b>MVS 1412</b> CAH-MUSIC 2(1,1) <b>Viola I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 1111</b> CAH-MUSIC 1(0,2) <b>Class Piano I:</b> Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. <i>Fall, Spring.</i>	<b>MVO 1214</b> CAH-MUSIC 1(0,1) <b>Secondary Recorder:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in recorder. Intended for non-music majors. May be repeated for credit. <i>Occasional.</i>	<b>MVS 1413</b> CAH-MUSIC 2(1,1) <b>Cello I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 1112</b> CAH-MUSIC 1(0,2) <b>Class Piano II:</b> 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. <i>Fall, Spring.</i>	<b>MVO 5250</b> CAH-MUSIC 1(1,0) <b>Advanced Secondary Instruction:</b> PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. <i>Occasional.</i>	<b>MVS 1414</b> CAH-MUSIC 2(1,1) <b>Bass I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 1211</b> CAH-MUSIC 1(0,1) <b>Secondary Piano:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in piano. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVP 1211</b> CAH-MUSIC 1(0,1) <b>Secondary Percussion:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in percussion. Intended for non-music majors. May be repeated for credit. <i>Occasional.</i> M&S fee \$35.00	<b>MVS 1415</b> CAH-MUSIC 2(1,1) <b>Harp I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 1411</b> CAH-MUSIC 2(1,1) <b>Piano I:</b> PR: Major in music or consent of chairperson; audition. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVP 1411</b> CAH-MUSIC 2(1,1) <b>Percussion I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$35.00	<b>MVS 1416</b> CAH-MUSIC 2(1,1) <b>Guitar I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 1800</b> CAH-MUSIC 2(2,0) <b>Keyboard Class I:</b> Keyboard training for non-Music students with no prior keyboard training. <i>Fall, Spring.</i>	<b>MVP 2421</b> CAH-MUSIC 2(1,1) <b>Percussion II:</b> PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$35.00	<b>MVS 2421</b> CAH-MUSIC 2(1,1) <b>Violin II:</b> PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 1801</b> CAH-MUSIC 2(2,0) <b>Keyboard Class II:</b> PR: MVK 1800. Continuation of Keyboard class I. <i>Occasional.</i>	<b>MVP 3431</b> CAH-MUSIC 2-3(1,1) <b>Percussion III:</b> 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. <i>Fall, Spring.</i> M&S fee \$35.00	<b>MVS 2422</b> CAH-MUSIC 2(1,1) <b>Viola II:</b> PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 2121</b> CAH-MUSIC 1(0,2) <b>Class Piano III:</b> 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. <i>Fall, Spring.</i>	<b>MVP 3630</b> CAH-MUSIC 2(2,0) <b>Percussion Pedagogy:</b> PR: Music major, C.I. Teaching methods and materials for percussion students and groups. <i>Fall, Spring.</i>	<b>MVS 2423</b> CAH-MUSIC 2(1,1) <b>Cello II:</b> PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 2122</b> CAH-MUSIC 1(0,2) <b>Class Piano IV:</b> 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. <i>Fall, Spring.</i>	<b>MVP 4441</b> CAH-MUSIC 4(1,1) <b>Percussion IV:</b> 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. <i>Fall, Spring.</i> M&S fee \$35.00	<b>MVS 2424</b> CAH-MUSIC 2(1,1) <b>Bass II:</b> PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 2421</b> CAH-MUSIC 2(1,1) <b>Piano II:</b> PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVP 5451</b> CAH-MUSIC 2(1,0) <b>Percussion V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$35.00	<b>MVS 2425</b> CAH-MUSIC 2(1,1) <b>Harp II:</b> PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 3431</b> CAH-MUSIC 2-3(1,1) <b>Piano III:</b> PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVS 1211</b> CAH-MUSIC 1(0,1) <b>Secondary Violin:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 2426</b> CAH-MUSIC 2(1,1) <b>Guitar II:</b> PR: MVS 1416 and competence determined by faculty jury. Continuation of MVS 1416. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVK 4441</b> CAH-MUSIC 4(1,1) <b>Piano IV:</b> PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>MVS 1212</b> CAH-MUSIC 1(0,1) <b>Secondary Viola:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in viola. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 3431</b> CAH-MUSIC 2-3(1,1) <b>Violin III:</b> 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. <i>Fall, Spring.</i>
<b>MVK 4640</b> CAH-MUSIC 2(2,0) <b>Piano Pedagogy I:</b> PR: MVK 1411 or C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of procedures. May be used in the degree program a maximum of 2 times. <i>Even Fall.</i>	<b>MVS 1213</b> CAH-MUSIC 1(0,1) <b>Secondary Cello:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in cello. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 3432</b> CAH-MUSIC 2-3(1,1) <b>Viola III:</b> 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. <i>Fall, Spring.</i>
<b>MVK 4641</b> CAH-MUSIC 1(1,0) <b>Piano Pedagogy II:</b> PR: C.I. Continuation of MVK 4640. Emphasis on intermediate through advanced levels. May be repeated for credit. <i>Odd Spring.</i>	<b>MVS 1214</b> CAH-MUSIC 1(0,1) <b>Secondary Bass:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bass. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 3433</b> CAH-MUSIC 2-3(1,1) <b>Cello III:</b> 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. <i>Fall, Spring.</i>
<b>MVK 4960</b> CAH-MUSIC 0(1,0) <b>Piano Proficiency Exam:</b> PR: C.I. Demonstration of piano skills in basic repertoire, sight-reading, harmonization and transposition. Required of Music majors. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>	<b>MVS 1216</b> CAH-MUSIC 1(0,1) <b>Secondary Guitar:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in guitar. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 3434</b> CAH-MUSIC 2-3(1,1) <b>Bass III:</b> 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. <i>Fall, Spring.</i>
<b>MVK 5451</b> CAH-MUSIC 2(1,0) <b>Piano V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 1411</b> CAH-MUSIC 2(1,1) <b>Violin I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>	<b>MVS 3435</b> CAH-MUSIC 2-3(1,1) <b>Harp III:</b> 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. <i>Fall, Spring.</i>
		<b>MVS 3436</b> CAH-MUSIC 2-3(1,1) <b>Guitar III:</b> 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. <i>Fall, Spring.</i>



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<b>MVS 4346</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Guitar IV:</b> 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. <i>Fall, Spring.</i>
<b>MVS 4441</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Violin IV:</b> 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. <i>Fall, Spring.</i>
<b>MVS 4442</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Viola IV:</b> 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. <i>Fall, Spring.</i>
<b>MVS 4443</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Cello IV:</b> 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. <i>Fall, Spring.</i>
<b>MVS 4444</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Bass IV:</b> 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. <i>Fall, Spring.</i>
<b>MVS 4445</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Harp IV:</b> PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVS 5451</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Violin V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVS 5452</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Viola V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVS 5453</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Cello V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVS 5454</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Bass V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVS 5455</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Harp V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVS 5456</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Guitar V:</b> PR: Graduate status or senior standing and C.I. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i>
<b>MVV 1111</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Class Voice:</b> Class instruction in beginning voice. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVV 1411</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Voice I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVV 1873</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Voice:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in voice. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVV 2421</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Voice II:</b> PR: MVV 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVV 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. <i>Fall, Spring.</i>
<b>MVV 3431</b>	<b>CAH-MUSIC</b>	<b>2-3(1,1)</b>	<b>Voice III:</b> PR: MVV 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVV 4441</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Voice IV:</b> PR: MVV 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVV 4640</b>	<b>CAH-MUSIC</b>	<b>2(2,0)</b>	<b>Voice Pedagogy:</b> PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. <i>Odd Spring.</i>
<b>MVV 4641</b>	<b>CAH-MUSIC</b>	<b>1(1,0)</b>	<b>Voice Pedagogy II:</b> PR: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit. <i>Odd Spring.</i>
<b>MVV 5451</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Voice V:</b> PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. <i>Fall, Spring.</i>
<b>MVV 5651</b>	<b>CAH-MUSIC</b>	<b>2(3,0)</b>	<b>Voice Pedagogy:</b> PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. <i>Odd Spring.</i>
<b>MVW 1211</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Flute:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in flute. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1212</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Oboe:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in oboe. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1213</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Clarinet:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in clarinet. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1214</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Bassoon:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in bassoon. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1215</b>	<b>CAH-MUSIC</b>	<b>1(0,1)</b>	<b>Secondary Saxophone:</b> PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in saxophone. Intended for non-music majors. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1411</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Flute I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1412</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Oboe I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1413</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Clarinet I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 1414</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Bassoon I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MVW 1415</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Saxophone I:</b> PR: Major in music or consent of chair; audition. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 2421</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Flute II:</b> PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 2422</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Oboe II:</b> PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 2423</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Clarinet II:</b> PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 2424</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Bassoon II:</b> PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. <i>Fall, Spring.</i> M&S fee \$20.00
<b>MVW 2425</b>	<b>CAH-MUSIC</b>	<b>2(1,1)</b>	<b>Saxophone II:</b> PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 3431</b>	<b>CAH-MUSIC</b>	<b>2-3(1,1)</b>	<b>Flute III:</b> 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. <i>Fall, Spring.</i>
<b>MVW 3432</b>	<b>CAH-MUSIC</b>	<b>2-3(1,1)</b>	<b>Oboe III:</b> PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 3433</b>	<b>CAH-MUSIC</b>	<b>2-3(1,1)</b>	<b>Clarinet III:</b> PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 3434</b>	<b>CAH-MUSIC</b>	<b>2-3(1,1)</b>	<b>Bassoon III:</b> 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. <i>Fall, Spring.</i>
<b>MVW 3435</b>	<b>CAH-MUSIC</b>	<b>2-3(1,1)</b>	<b>Saxophone III:</b> PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 4441</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Flute IV:</b> PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 4442</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Oboe IV:</b> PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 4443</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Clarinet IV:</b> PR: MVW 3433 and competence determined by faculty jury. Intensive performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 4444</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Bassoon IV:</b> PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 4445</b>	<b>CAH-MUSIC</b>	<b>4(1,1)</b>	<b>Saxophone IV:</b> PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>
<b>MVW 5451</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Flute V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>
<b>MVW 5452</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>Oboe V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>



## UCF Courses and Descriptions

<b>MVV 5453</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>NGR 5871</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3028</b>	<b>CON-NURS</b>	<b>2(2,0)</b>
<b>Clarinet V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>			<b>Health Care Informatics:</b> PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. <i>Fall.</i>			<b>Essentials of Nursing Practice:</b> PR: Admission to BSN program. CR: NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. <i>Fall.</i>		
<b>MVV 5454</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>NGR 5883</b>	<b>CON-NURS</b>	<b>1(1,0)</b>	<b>NUR 3028L</b>	<b>CON-NURS</b>	<b>1(0,2)</b>
<b>Bassoon V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>			<b>Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing:</b> PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. <i>Fall, Spring.</i>			<b>Essentials of Nursing Practice Lab:</b> PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. <i>Fall.</i> M&S fee \$45.00		
<b>MVV 5455</b>	<b>CAH-MUSIC</b>	<b>2(1,0)</b>	<b>NGR 5884</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3065</b>	<b>CON-NURS</b>	<b>2(2,0)</b>
<b>Saxophone V:</b> PR: Graduate status or senior standing and C.I. May be repeated for credit. <i>Fall, Spring.</i>			<b>Legal and Professional Behavior in Advanced Practice Nursing:</b> PR: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>			<b>Health Assessment:</b> PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. <i>Fall, Spring.</i>		
<b>NGR 5003</b>	<b>CON-NURS</b>	<b>2(2,0)</b>	<b>NGR 5891</b>	<b>CON-NURS</b>	<b>1(1,0)</b>	<b>NUR 3065L</b>	<b>CON-NURS</b>	<b>1(0,1)</b>
<b>Advanced Health Assessment and Diagnostic Reasoning:</b> PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice program tracks or C.I. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>			<b>Health Care Systems, Policy and Health Professionals:</b> PR: Admission to the MSN program or C.I. Examine social responses to health and illness; health care systems and policies and the role of advanced practice nurses. <i>Fall, Spring.</i>			<b>Health Assessment Lab:</b> CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. <i>Fall, Spring.</i> M&S fee \$15.00		
<b>NGR 5003L</b>	<b>CON-NURS</b>	<b>1(0,1)</b>	<b>NGR 5894C</b>	<b>CON-NURS</b>	<b>3(2,1)</b>	<b>NUR 3125</b>	<b>CON-NURS</b>	<b>3(3,0)</b>
<b>Advanced Health Assessment and Diagnostic Reasoning (Lab):</b> PR: or CR: NGR 5141; CR: NGR 5003. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan Graded S/U. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i> M&S fee \$45.00			<b>International Perspectives of Global Health:</b> PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation's health care systems. <i>Occasional.</i>			<b>Pathophysiology for Nursing Practice:</b> PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225; NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. <i>Fall.</i>		
<b>NGR 5090</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NSP 1800</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3145</b>	<b>CON-NURS</b>	<b>3(3,0)</b>
<b>Urgent Care for the Advanced Practice Nurse:</b> PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. <i>Occasional.</i>			<b>Nursing as a Profession:</b> Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. <i>Fall.</i>			<b>Pharmacology for Nursing Practice:</b> PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. <i>Fall.</i>		
<b>NGR 5141</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NSP 4335</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3165</b>	<b>CON-NURS</b>	<b>3(3,0)</b>
<b>Pathophysiological Bases for Advanced Nursing Practice:</b> PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>			<b>Nursing Care of the High-Risk Newborn:</b> PR: Admission to BSN program; successful completion of NUR 3445 & NUR 3445L, or C.I. for RN-BSN students. In depth study of pathophysiology, management and nursing care of high risk newborn, emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. <i>Occasional.</i>			<b>Nursing Research:</b> 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; or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. <i>Fall, Spring.</i>		
<b>NGR 5638</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NSP 4425</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3165H</b>	<b>CON-NURS</b>	<b>3(3,0)</b>
<b>Health Promotion:</b> PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>			<b>Women's Health Issues:</b> PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. <i>Fall.</i>			<b>Nursing Research:</b> PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or 2023; co-requisites per the plan of study or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. <i>Occasional.</i>		
<b>NGR 5660</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NSP 4495</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3167</b>	<b>CON-NURS</b>	<b>1(2,0)</b>
<b>Health Disparities: Issues and Strategies:</b> PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. <i>Occasional.</i>			<b>Emergency Department Nursing:</b> PR: Completion of both the pharmacology and pathophysiology components of the student's current nursing program curriculum, and NUR 3225 or RN License/Eligibility or C.I. An overview of Emergency Department Nursing. Topics include scopes of practice, laws, economics, nursing care and management of emergent physiologic conditions in the emergency department setting. <i>Occasional.</i>			<b>Accelerated Nursing Research Seminar:</b> PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. <i>Spring.</i>		
<b>NGR 5690</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NSP 4550</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3225</b>	<b>CON-NURS</b>	<b>3(3,0)</b>
<b>Interdisciplinary Care at End-of-Life:</b> PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families; and caregivers to approach end-of-life free from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. <i>Fall.</i>			<b>Family and Interpersonal Violence: Perspectives for Nurses:</b> PR: PSY 2012 or SYG 2000, and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. <i>Occasional.</i>			<b>Nursing Care of the Adult I:</b> PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125, NUR 3145; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. <i>Fall.</i>		
<b>NGR 5720</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NSP 4685</b>	<b>CON-NURS</b>	<b>3(3,0)</b>	<b>NUR 3225L</b>	<b>CON-NURS</b>	<b>2(0,6)</b>
<b>Organizational Dynamics:</b> PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. <i>Fall.</i>			<b>Death &amp; Dying: Nursing Considerations:</b> PR: Admission to the Nursing Program, RN licensure, or C.I. An in-depth look at issues encountered in nursing practice related to the process of death, dying, and end of life. <i>Occasional.</i>			<b>Nursing Care of the Adult I: Clinical Practice:</b> PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. <i>Fall.</i> M&S fee \$45.00		
<b>NGR 5745</b>	<b>CON-NURS</b>	<b>1(1,0)</b>	<b>NSP 4695</b>	<b>CON-NURS</b>	<b>3(3,0)</b>			
<b>Professional Obligations and Activities of Advanced Practice Nursing:</b> PR: NGR 5883 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. <i>Fall, Spring.</i>			<b>Forensic Nursing Principles and Practice:</b> PR: NUR 3825 or NUR 3805 and completion of two semesters of a Nursing program or C.I. Forensic Nursing principles and practices applied to a variety of settings; an examination of the scope of practice of forensic nursing. <i>Occasional.</i>					
<b>NGR 5800</b>	<b>CON-NURS</b>	<b>3(3,0)</b>						
<b>Theory for Advanced Practice Nursing:</b> PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. <i>Fall, Spring.</i>								



## UCF Courses and Descriptions

**NUR 3445 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 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. *Fall.*

**NUR 3445L CON-NURS 2(0,6)**  
**Nursing Care of Families Clinical:** PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. *Fall.* M&S fee \$45.00

**NUR 3634 CON-NURS 3(3,0)**  
**Community Health Nursing:** PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. *Fall.*

**NUR 3634L CON-NURS 2(0,6)**  
**Community Health Nursing Clinical:** PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. *Fall.* M&S fee \$45.00

**NUR 3755L CON-NURS 2(0,6)**  
**Essentials of Nursing Practice Clinical:** PR: Admission to BSN Program. CR: NUR 3028 and NUR 3028L; NUR 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 3795 CON-NURS 3(3,0)**  
**Principles of Oncology Nursing:** PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. *Occasional.*

**NUR 3805 CON-NURS 3(3,0)**  
**Dimensions of Professional Nursing Practice:** PR: Nursing major/junior level or C.I.; ENC 1102. Theoretical bases 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. *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 3826H CON-NURS 3(3,0)**  
**Bioethical and Legal Issues in Health Care -Honors:** PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional practice among licensed health care professionals. *Occasional.*

**NUR 3936 CON-NURS 3(2,2)**  
**International Perspectives of Nursing and Health Care:** PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. *Occasional.*

**NUR 4177 CON-NURS 3(3,0)**  
**Holistic Nursing:** Explore lived experience of health-wellness, illness-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, surgical, or life-threatening health conditions. Graded S/U. *Spring.*

**NUR 4257 CON-NURS 3(3,0)**  
**Introduction to Critical Care Nursing:** PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. *Spring.*

**NUR 4286 CON-NURS 3(3,0)**  
**Gerontologic Nursing:** PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. *Occasional.*

**NUR 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 4516 CON-NURS 3(3,0)**  
**Crisis Intervention:** PR: Completion of PSY 2012, SYG 2000 or ANT 2000. Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. *Occasional.*

**NUR 4535 CON-NURS 3(3,0)**  
**Psychiatric Mental Health Nursing:** PR: Admission to BSN program, successful completion of the first three semesters in the Nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. *Fall, Spring.*

**NUR 4535L CON-NURS 2(0,6)**  
**Psychiatric Mental Health Clinical:** PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. *Fall, Spring.*

**NUR 4604L CON-NURS 4(0,12)**  
**Practicum in Community and Public Health Nursing for RNs:** PR: NUR 3634. CR: NUR 4837, NUR 4827, 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, and concurrent enrollment in NUR 4945L Nursing Practicum; NUR 4637L; NUR 4257. Concepts of public health nursing focusing on population-based health care delivery systems. *Fall, Spring.*

**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 4760 CON-NURS 3(3,0)**  
**Principles of Pain Management:** PR: Admission to the Nursing Program, RN License, or C.I. *Occasional.*

**NUR 4765 CON-NURS 3(3,0)**  
**Rehabilitation Nursing: Principles and Practice:** PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. *Occasional.*

**NUR 4827 CON-NURS 3(3,0)**  
**Leadership and Management Principles:** PR: NUR 3805, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. *Fall, Spring.*

**NUR 4828 CON-NURS 3(3,0)**  
**Nursing Leadership, Management and Role Transition:** PR: Admission to the BSN or the RN-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 as a Leader:** PR: or CR: NUR 4945L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. *Occasional.*

**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 S/U or Letter grade. May be repeated for credit. *Occasional.*

**NUR 4907H CON-NURS 3(3,0)**  
**Directed Reading/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 S/U or Letter grade. *Occasional.*

**NUR 4930 CON-NURS 3(3,0)**  
**Health Issues in Minority and Special Populations:** PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. *Occasional.*

## UCF Courses and Descriptions

<b>NUR 4942L</b> <b>CON-NURS</b> <b>3(0,3)</b> <b>Nursing Practicum for International Students:</b> PR: C.I. In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. <i>Occasional.</i>	<b>PAD 3003</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Public Administration in American Society:</b> PR: POS 2041. An examination of the basic environment, culture, and organization of public administration in the United States. <i>Fall, Spring.</i>	<b>PAD 4204</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Fiscal Management:</b> PR: C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. <i>Fall, Spring.</i>
<b>NUR 4945L</b> <b>CON-NURS</b> <b>4(0,4)</b> <b>Nursing Practicum:</b> 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 S/U. <i>Spring.</i>	<b>PAD 3040</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Ethics and Values in Public Administration:</b> PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. <i>Occasional.</i>	<b>PAD 4223</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Public Budgeting: Skills and Techniques:</b> PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. <i>Occasional.</i>
<b>NUR 4971H</b> <b>CON-NURS</b> <b>1-3(1-3,0)</b> <b>Thesis or Project Works-Honors:</b> 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. <i>Occasional.</i>	<b>PAD 3330</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Urban and Regional Planning:</b> PR: PAD 3003 or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. <i>Fall, Spring.</i>	<b>PAD 4253</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Community &amp; Economic Development:</b> PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. <i>Fall.</i>
<b>OCE 3008</b> <b>COS-BIOL</b> <b>3(3,0)</b> <b>Oceanography:</b> PR: BSC 2010C, CHM 2045C, and CHM 2046. Biological, physical and chemical oceanography. <i>Occasional.</i>	<b>PAD 3733</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Professional Administrative Writing in the Public Sector:</b> PR: ENC 1102 or C.I. Professional and technical writing for the field of public administration. <i>Fall, Spring.</i>	<b>PAD 4325</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Program Evaluation for Public and Non-Profit Organizations:</b> PR: PAD 3003 or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. <i>Spring.</i>
<b>OSE 3490</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Nanophotonics:</b> PR: PHY 2049C or C.I. Optical/photonic processes on nano scale and interactions with elements of physics & engineering. <i>Occasional.</i>	<b>PAD 3930</b> <b>HPA-HPA</b> <b>1(1,0)</b> <b>American Humanics Human Service Workshop:</b> PR: Enrollment in American Humanics Minor or National Certificate Program through American Humanics Program office. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. <i>Fall, Spring.</i>	<b>PAD 4331</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Land Use and Planning:</b> PR: PAD 3330 or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. <i>Fall.</i>
<b>OSE 4052</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Introduction to Photonics:</b> 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. <i>Fall.</i>	<b>PAD 4034</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>The Administration of Public Policy:</b> PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. <i>Fall, Spring.</i>	<b>PAD 4334</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Urban Design:</b> CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. <i>Spring.</i>
<b>OSE 4470</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Optical Fiber Communication Systems:</b> PR: EEE 3350 and OSE 4052. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. <i>Spring.</i>	<b>PAD 4104</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Administrative Theory:</b> 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. <i>Fall, Spring.</i>	<b>PAD 4351</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Issues in Environmental Program Management:</b> CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. <i>Spring.</i>
<b>OSE 4830</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Introduction to Imaging Systems:</b> PR: EEL 3123C and OSE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperspectral systems. Remote sensing and biological and medical applications. <i>Spring.</i>	<b>PAD 4110</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Intergovernmental Administration:</b> Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. <i>Fall.</i>	<b>PAD 4390</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Hazard Mitigation and Preparedness:</b> PR: or CR: PAD 4392. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. <i>Fall.</i>
<b>OSE 5041</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Introduction to Wave Optics:</b> PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. <i>Occasional.</i>	<b>PAD 4131</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Public Sector Project Management:</b> Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. <i>Occasional.</i>	<b>PAD 4392</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Emergency Management and Homeland Security:</b> PR: PAD 3003 or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. <i>Fall.</i>
<b>OSE 5203</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Geometrical Optics and Imaging Systems:</b> PR: Graduate standing or C.I. Fundamentals of Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry. <i>Fall, Spring.</i>	<b>PAD 4144</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Non-Profit Organizations:</b> PR: Junior standing and have declared Non-Profit Minor or Certificate or C.I. The operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantsmanship, financial management and marketing. <i>Fall, Spring.</i>	<b>PAD 4395</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Disaster Response and Recovery:</b> PR: or CR: PAD 4392. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. <i>Spring.</i>
<b>OSE 5312</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Light Matter Interaction:</b> PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; classical and quantum mechanical description of optical properties. <i>Fall, Spring.</i>	<b>PAD 4147</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Resource Development in the Nonprofit Sector:</b> PR: Junior status and have declared Nonprofit minor or certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. <i>Fall.</i>	<b>PAD 4414</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Public Personnel Administration:</b> The history, operating components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. <i>Fall, Spring.</i>
<b>OSE 5313</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Materials for Optical Systems:</b> PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. <i>Occasional.</i>	<b>PAD 4148</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Volunteer Management:</b> PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. <i>Spring.</i>	<b>PAD 4446</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Multiculturalism in Public Administration:</b> PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. <i>Occasional.</i>
<b>OSE 5414</b> <b>OPT-OPT</b> <b>3(3,0)</b> <b>Fundamentals of Optoelectronic Devices:</b> PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. <i>Fall.</i>	<b>PAD 4153</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Planning and Improvement for Pub Org:</b> Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. <i>Fall.</i>	<b>PAD 4461</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Reengineering Government:</b> PR: PAD 3003. Acquaint undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. <i>Occasional.</i>
<b>OSE 5630C</b> <b>OPT-OPT</b> <b>3(2,1)</b> <b>Thin Film Optics:</b> PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. <i>Occasional.</i>		<b>PAD 4616</b> <b>HPA-PUB</b> <b>3(3,0)</b> <b>Privatization:</b> PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services., including: privatization decision, creation of RFP or ITB, contract award and contract management. <i>Occasional.</i>

## UCF Courses and Descriptions

- PAD 4712 HPA-PUB 3(3,0)**  
**Information Systems for Public Managers and Planners:** PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planners and public managers, including use of GIS to manipulate and analyze spatial data. *Spring.*
- PAD 4720 HPA-PUB 3(3,0)**  
**Survey Research in Public Administration:** Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. *Fall, Spring.*
- PAD 4803 HPA-PUB 3(3,0)**  
**Issues in Urban Administration:** CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. *Occasional.*
- PAD 4941 HPA-PUB 3-6(0,6)**  
**Public Administration Internship:** PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. *Occasional.*
- PAD 4948 HPA-PUB 3(0,3)**  
**American Humanics Internship:** PR: Enrollment in American Humanics AH Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humanics certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. *Fall, Spring.*
- PAD 5041 HPA-PUB 3(3,0)**  
**Ethics and Values in Public Administration:** Examination of ethics in the public sector. Public concerns, 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. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer recruitment, training, retention and theories of motivation, leadership, ethical issues. *Fall, Spring.*
- PAD 5146 HPA-PUB 3(3,0)**  
**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, negotiations, and the collective bargaining process. *Occasional.*
- PAD 5807 HPA-PUB 3(3,0)**  
**Local Government Operations:** Operational Functions of municipal and county governments and the role of the chief executive officer. *Occasional.*
- PAD 5850 HPA-PUB 3(3,0)**  
**Grant and Contract Management:** PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. *Fall, Spring.*
- PAF 2102 HPA-HPA 2(2,0)**  
**Public Affairs Careers:** Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. *Fall.*
- PAF 3753H HPA-HPA 3(3,0)**  
**Honors Ethical Issues in Health and Public Affairs:** PR: Permission of Honors and Junior standing. Ethical challenges and dilemmas inherent in the fields of Health, Social Work, Criminal Justice and Public Administration. With Honors content. *Occasional.*
- PAF 3850H HPA-HPA 3(3,0)**  
**Honors Research Methods in Health and Public Affairs:** PR: Participating in University Honors or Honors in the Major and Junior standing. Applied research methods in fields of Criminal Justice, Nursing, Health Professions, Public Administration, and Social Work. With honors content. *Occasional.*
- PAF 4754 HPA-PUB AFF 3(3,0)**  
**Interdisciplinary Leadership in Public Affairs:** PR: Junior Standing and ENC 1101 or C.I. Global public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. *Occasional.*
- PAZ 4234 COS-BIOL 3(3,0)**  
**Zoo and Aquarium Management:** PR: PCB 3044, and PCB 3063 or C.I. Conservation, propagation and exhibition of wild animals in captivity. *Occasional.*
- PAZ 5235 COS-BIOL 3(3,0)**  
**Zoo and Aquarium 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: BSC 2010C, CHM 2210, and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. *Fall, Spring.*
- PCB 3024L COS-BIOL 2(0,8)**  
**Molecular Cell Biology Laboratory:** PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function. *Occasional.*
- PCB 3044 COS-BIOL 3(3,0)**  
**Principles of Ecology:** PR: BSC 2010C, BSC 2011C, and CHM 2045C, or C.I. Elements 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.* M&S fee \$15.00
- PCB 3063 COS-BIOL 3(3,0)**  
**Genetics:** PR: BSC 2010C and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. *Fall, Spring.*
- PCB 3063H COS-BIOL 3(3,0)**  
**Honors Genetics:** PR: BSC 2010C and CHM 2046, or C.I., and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. *Occasional.*
- PCB 3063L COS-BIOL 1(0,3)**  
**Genetics Laboratory:** PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. *Fall, 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 immunology, and immuno 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 3301C COS-BIOL 4(3,4)**  
**Aquatic Biology:** PR: BSC 2010C and BSC 2011C, or C.I. Plant and animal components of freshwater environments. *Occasional.* M&S fee \$20.00
- PCB 3304C COS-BIOL 4(2,4)**  
**River Ecology:** PR: BSC 2011C or C.I. Ecology, limnology, and conservation of rivers with special emphasis on Florida water systems. *Occasional.*
- PCB 3314 COS-BIOL 3(3,0)**  
**Marine Bio Diversity:** PR: BSC 2010C, CHM 2045C, and CHM 2046. The diversity of life in our oceans. *Occasional.*
- PCB 3355C COS-BIOL 2(1,1)**  
**Tropical Marine Biology:** PR: BSC 2010C and BSC 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. *Occasional.*
- PCB 3442 COS-BIOL 3(3,0)**  
**Aquatic Ecology:** PR: BSC 2010C and BSC 2011C, or C.I. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. *Occasional.*
- PCB 3522 COM-M&M 3(3,0)**  
**Molecular Biology I:** PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eucaryotic genes. *Fall, Spring.*
- PCB 3703C COM-M&M 4(3,3)**  
**Human Physiology:** PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. *Fall, Spring.* M&S fee \$70.00
- PCB 3703H COM-M&M 4(3,3)**  
**Human Physiology Honors:** PR: BSC 2010C, CHM 2046 and consent of Honors College. The physiology and interrelationships of organ systems of the human body. With honors level content. *Fall.*
- PCB 4028 COM-M&M 3(3,0)**  
**Molecular and Cellular Pharmacology:** PR: PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. *Spring.*
- PCB 4174 COM-M&M 3(3,0)**  
**Foundation of Bio-Imaging Science:** PR: BSC 2010C, CHM 2045C, CHM 2210, MAC 2311, PHY 2049. Fundamental theory, design, and practice of modern bio-imaging techniques applicable for basic biomedical research. *Occasional.*



## UCF Courses and Descriptions

<b>PCB 4234</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 4684</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>PCB 5326C</b>	<b>COS-BIOL</b>	<b>5(3,2)</b>
<b>Cancer Biology:</b> PR: PCB 3522 or PCB 3023. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. <i>Occasional.</i>			<b>Population Genetics:</b> PR: Grade C or better in PCB 3063 and PCB 4683, or C.I. Field of population genetics and the study of the various forces that result in evolutionary changes through time. <i>Even Spring.</i>			<b>Ecosystems of Florida:</b> PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. <i>Occasional.</i> M&S fee \$15.00		
<b>PCB 4239</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 4708L</b>	<b>COM-M&amp;M</b>	<b>2(0,2)</b>	<b>PCB 5435C</b>	<b>COS-BIOL</b>	<b>4(2,6)</b>
<b>Molecular Immunology:</b> PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. <i>Spring.</i>			<b>Laboratory Virtual Simulations in Physiology:</b> CR: PCB 4833C. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. <i>Fall.</i>			<b>Marine Ecology of Florida:</b> 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. <i>Odd Spring.</i> M&S fee \$45.00		
<b>PCB 4251</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 4723</b>	<b>COS-BIOL</b>	<b>4(4,0)</b>	<b>PCB 5485</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>
<b>Tissue Engineering:</b> PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell-biomaterial interactions. <i>Occasional.</i>			<b>Animal Physiology:</b> PR: PCB 3023 or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. <i>Fall.</i>			<b>Models in Ecology:</b> PR: PCB 3044, MAC 2311 (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. <i>Occasional.</i> M&S fee \$15.00		
<b>PCB 4264</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 4802</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>PCB 5596</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>
<b>Stem Cell Biology:</b> 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. <i>Occasional.</i>			<b>Comparative Endocrinology:</b> PR: PCB 3023 and PCB 3044, or C.I. Hormonal regulation of an animal's physiological responses to environmental changes. <i>Occasional.</i>			<b>Biomedical Informatics: Sequence Analysis:</b> PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. <i>Fall.</i>		
<b>PCB 4302C</b>	<b>COS-BIOL</b>	<b>4(3,4)</b>	<b>PCB 4805</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5665C</b>	<b>COS-BIOL</b>	<b>4(3,2)</b>
<b>Physiochemical Limnology:</b> PR: BSC 2010C and BSC 2011C, or C.I. Limnology and methods for freshwater ecology, with respect to physical, and chemical parameters. <i>Occasional.</i> M&S fee \$15.00			<b>Endocrinology:</b> PR: PCB 3703C or equivalent; CHM 2211. Mechanisms of action of hormones; interrelationship between the nervous and endocrine systems. <i>Occasional.</i>			<b>Human Genetics:</b> PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. <i>Occasional.</i> M&S fee \$15.00		
<b>PCB 4303C</b>	<b>COS-BIOL</b>	<b>4(3,4)</b>	<b>PCB 4813</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5709L</b>	<b>COM-M&amp;M</b>	<b>2(0,2)</b>
<b>Biological Limnology:</b> PR: BSC 2010C and BSC 2011C, or C.I. Biological communities in freshwater lakes and streams. <i>Occasional.</i> M&S fee \$20.00			<b>Molecular Aspects of Obesity, Diabetes &amp; Metabolism:</b> PR: PCB 3522 or BCH 4053. Advanced topics of physiological processes at the cellular, molecular and system level. <i>Spring.</i>			<b>Laboratory Virtual Simulations in Physiology:</b> CR: PCB 834C Advanced Human Physiology. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. <i>Fall.</i>		
<b>PCB 4353</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>PCB 4832</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5807</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>
<b>Florida Natural History:</b> PR: BSC 2010C and BSC 2011C, or C.I. Florida's ecology, past and present flora and fauna, and naturalists who visited the state. <i>Occasional.</i>			<b>Cellular and Molecular Basis of Brain Functions:</b> PR: PCB 3522, PCB 3703C, ZOO 3733C. Designed to provide advanced undergraduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. <i>Fall.</i>			<b>Comparative Endocrinology:</b> PR: PCB 3023 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. <i>Even Fall.</i>		
<b>PCB 4514</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>PCB 4833</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5815</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>
<b>Genetics II:</b> PR: PCB 3063. Advanced topics in Genetics, including extra-nuclear inheritance, epigenesis, gene and chromosome mutation, genetics of development and behavior, and advanced genetic analytical techniques. <i>Occasional.</i>			<b>Advanced Human Physiology:</b> PR: PCB 3522, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. <i>Fall.</i>			<b>Molecular Aspects of Obesity, Diabetes &amp; Metabolism:</b> PR: PCB 3522 or BCH 4053 or BSC 6432. Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. <i>Odd Spring.</i>		
<b>PCB 4524</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5025</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5834C</b>	<b>COM-M&amp;M</b>	<b>4(3,2)</b>
<b>Molecular Biology II:</b> PR: PCB 3522. The processes regulating gene function in prokaryotes and eukaryotes; specialized genetic aspects underlying multi-cellular existence, DNA evolution. <i>Spring.</i>			<b>Molecular and Cellular Pharmacology:</b> 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. <i>Spring.</i>			<b>Advanced Human Physiology:</b> PR: Graduate standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. <i>Fall.</i>		
<b>PCB 4524H</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5235</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5838</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>
<b>Molecular Biology II-Honors:</b> PR: Permission of Honors and PCB 3522. Same as PCB 4525 with honors level content. <i>Spring.</i>			<b>Molecular Immunology:</b> 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. <i>Spring.</i>			<b>Cellular and Molecular Basis of Brain Functions:</b> PR: Graduate Standing or C.I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. <i>Fall.</i>		
<b>PCB 4529</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5236</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5935</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>
<b>Experimental Molecular Biology:</b> PR: PCB 3522, CR: PCB 4524. Facilitation of experimental data that leads to the development and understanding of the underlying principles of molecular biology. <i>Spring.</i>			<b>Cancer Biology:</b> PR: PCB 4524 and graduate standing. Current knowledge and research on molecular mechanism of tumor development, tumor progression, metastasis and therapy of cancer. <i>Occasional.</i>			<b>Population Genetics:</b> PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Population genetics and the study of the various forces that result in evolutionary changes through time. <i>Even Spring.</i>		
<b>PCB 4663</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCB 5238</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>	<b>PCO 4203</b>	<b>COS-PSYCH</b>	<b>4(3,2)</b>
<b>Human Genetics:</b> 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. <i>Spring.</i>			<b>Immunobiology:</b> PR: PCB 3233, PCB 4239. Advanced topics in immune system dysregulation with special emphasis on innate immunity. <i>Spring.</i>			<b>Interviewing and Counseling:</b> PR: PSY 2012, PPE 3003C, CLP 3143 and C.I. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. <i>Fall, Spring.</i>		
<b>PCB 4678</b>	<b>COS-BIOL</b>	<b>3(3,0)</b>	<b>PCB 5265</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>			
<b>Evolution and Medicine:</b> PR: PCB 4683 or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. <i>Odd Fall.</i>			<b>Stem Cell Biology:</b> 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. <i>Occasional.</i>					
<b>PCB 4683</b>	<b>COS-BIOL</b>	<b>4(4,0)</b>	<b>PCB 5275</b>	<b>COM-M&amp;M</b>	<b>3(3,0)</b>			
<b>Evolutionary Biology:</b> PR: A grade of "C" (2.0) or better in PCB 3044 and PCB 3063 or C.I. Demographic and genetic structure of populations and their relationship to speciation, adaptation, and macroevolutionary processes in plants and animals. <i>Fall, Spring.</i>			<b>Signal Transduction Mechanics:</b> PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. <i>Occasional.</i>					
<b>PCB 4683L</b>	<b>COS-BIOL</b>	<b>1(0,2)</b>						
<b>Evolutionary Biology Lab:</b> PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. <i>Fall, Spring.</i> M&S fee \$10.00								

# UCF Courses and Descriptions

**PEL 2011 ED-CFCS 2(1,1)**  
**Basic Volleyball and Softball:** The analysis of offensive and defensive alignment, techniques, and strategies. *Occasional.* M&S fee \$5.00

**PEL 2111 ED-CFCS 2(1,1)**  
**Bowling:** Fundamentals of bowling techniques and the development of skills based on those fundamentals. *Occasional.*

**PEL 2112 ED-CFCS 2(1,1)**  
**Intermediate Bowling:** PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. *Occasional.*

**PEL 2121 ED-CFCS 2(1,1)**  
**Beginning Golf:** Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. *Fall, Spring.* M&S fee \$6.00

**PEL 2122 ED-CFCS 2(1,1)**  
**Intermediate Golf:** PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. *Occasional.*

**PEL 2341 ED-CFCS 2(1,1)**  
**Beginning Tennis:** Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. *Occasional.* M&S fee \$3.00

**PEL 2342 ED-CFCS 2(1,1)**  
**Intermediate Tennis:** PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. *Occasional.*

**PEL 2640 ED-CFCS 2(1,1)**  
**Basic Football and Basketball:** The analysis of offensive and defensive alignment, techniques, and strategies. *Occasional.* M&S fee \$6.00

**PEM 2101 ED-CFCS 2(1,1)**  
**Body Development:** An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. *Fall, Even Spring.*

**PEM 2104 ED-CFCS 3(2,1)**  
**Personal Fitness:** Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. *Fall, Spring.*

**PEM 2121C ED-CFCS 3(1,3)**  
**Yoga:** Performance and application of a series of basic 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.* M&S fee \$3.00

**PEM 2127C ED-CFCS 2(1,1)**  
**Pilates:** The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. *Occasional.* M&S fee \$3.00

**PEM 2131 ED-CFCS 2(1,1)**  
**Strength Resistance Training:** Study of fitness and strength development through resistance exercise. *Fall, Spring.* M&S fee \$5.00

**PEM 2134C ED-CFCS 2(1,1)**  
**Adventure Recreation:** Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. *Occasional.* M&S fee \$3.00

**PEM 2171 ED-CFCS 2(1,1)**  
**Aerobics:** Appropriate rhythmical muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. *Fall, Spring.* M&S fee \$5.00

**PEM 2173 ED-CFCS 2(1,1)**  
**Step Aerobics:** Appropriate rhythmical muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. *Occasional.*

**PEM 2175 ED-CFCS 2(1,1)**  
**Country/Western Dance:** Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. *Occasional.*

**PEM 2176C ED-CFCS 2(1,1)**  
**Cardio Kickboxing:** Proper technique and fundamentals of cardio kickboxing. *Occasional.* M&S fee \$6.00

**PEM 2179C ED-CFCS 2(1,1)**  
**Boot Camp Fitness:** Study and application of aerobic and anaerobic 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 2443 ED-CFCS 2(1,2)**  
**Tae Kwon Do:** An analysis and application of the martial arts, as part of an overall physical and mental training system. *Occasional.*

**PEM 5408C ED-CFCS 3(2,1)**  
**Controlling Classroom Violence:** PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. *Occasional.*

**PEN 1121 ED-CFCS 2(1,1)**  
**Elementary Swimming:** For non-swimmers and beginning swimmers. Development and study of technique in the basic skills of water safety and swimming. *Occasional.*

**PEO 2011 ED-CFCS 3(2,1)**  
**Team Sports:** This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. *Fall, Spring.* M&S fee \$5.00

**PEO 2031 ED-CFCS 3(2,1)**  
**Individual Sports:** Skill proficiency and knowledge to plan, implement and evaluate individual sports. *Fall, Spring.* M&S fee \$9.00

**PEO 2623C ED-CFCS 2(1,1)**  
**Officiating Basketball:** Skills, knowledge, and practical experience required to become an official in the sport of basketball. *Occasional.* M&S fee \$6.00

**PEO 2624 ED-CFCS 3(2,1)**  
**Coaching Basketball:** Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. *Fall.*

**PEO 3041 ED-CFCS 3(3,0)**  
**Games Analysis:** PR: Admission to Physical Education program and Jr. Standing or C.I. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. *Occasional.*

**PEO 3219 ED-CFCS 3(2,0)**  
**Coaching Baseball and Softball:** PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. *Occasional.*

**PEO 3324 ED-CFCS 3(2,1)**  
**Coaching Volleyball:** Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. *Spring.*

**PEO 3514C ED-CFCS 3(2,1)**  
**Coaching Soccer:** PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. *Occasional.*

**PEO 3644 ED-CFCS 3(2,1)**  
**Coaching Football:** Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. *Occasional.*

**PEO 5645C ED-CFCS 3(2,1)**  
**Coaching Football:** PR: C.I. Advanced principles and methods common to the coaching of football. Includes teaching and training methods, organization, motivation and strategies. *Occasional.*

**PEP 3205 ED-CFCS 3(2,1)**  
**Gymnastics:** This course is designed to develop skill proficiency and instructional strategies in gymnastics. *Occasional.*

**PET 2081 ED-CFCS 1(1,0)**  
**Wellness, Children and Schools:** Exploration and promotion of wellness for children in schools. *Fall, Spring.*

**PET 2084 ED-CFCS 3(3,0)**  
**Introduction to Sport and Exercise Science:** PR: Admission to Sport and Exercise Science program. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. *Fall, Spring.*

**PET 3097 ED-CFCS 3(3,0)**  
**Health and Wellness:** PR: Admission into the Sport and Exercise Science program. Explore wellness through science and the statistics of risk factors for mortality and morbidity. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. *Fall, Spring.*

**PET 3125 ED-CFCS 3(3,0)**  
**Fitness and Weight Management:** PR: Admission to Sport and 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)**  
**Fundamentals of Athletic Coaching:** PR: PEO 2011 or C.I. Basic knowledge of standards and practices for athletic coaches. *Occasional.*

**PET 3361 ED-CFCS 3(3,0)**  
**Nutrition and Metabolism in Sport and Exercise Science:** PR: PET 2084, BSC 2010C. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. *Fall, Spring.*

**PET 3510C HPA-HP 3(2,1)**  
**Physiologic & Metabolic Basis of Human Movement & Performance:** PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, drugs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. *Fall.*

**PET 3740C ED-CFCS 2(1,1)**  
**Teaching Physical Education in the Secondary and Middle School (6-12):** PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. *Occasional.*

**PET 3765 ED-CFCS 3(3,0)**  
**Coaching Theory:** PR: Admitted to COE or C.I. Theories of coaching team and individual sports. *Fall, Spring.*

**PET 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: PET 2084. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. *Fall, Spring.*

**PET 3820 ED-CFCS 3(2,1)**  
**Teaching Sports Skills I:** PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. *Occasional.*



## UCF Courses and Descriptions

- PET 3940 ED-CFCs 3(3,0)**  
**Internship I Physical Education:** PR: EDG 4323; CR: PET 3930. Student teaching in a physical education program under the supervision of a certified classroom teacher. *Occasional.*
- PET 3941 ED-CFCs 6(0,16)**  
**Internship I:** PR: Senior standing. EDG 4323. Satisfactory completion of the portfolio. Internship assignment under a certified physical education teacher. Half in elementary, half in secondary. *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)**  
**Motor Development and Learning:** PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. *Fall, Spring.*
- PET 4083 ED-CFCs 3(3,0)**  
**Personal Training Methods:** PR: Admission to Sport and Fitness program, ZOO 3736C, PET 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 4215 ED-CFCs 3(3,0)**  
**Motivational Aspects of Athletic Performance:** PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. *Fall, Spring.*
- PET 4312C ED-CFCs 3(2,1)**  
**Kinesiology/Biomechanics:** PR: PET 2084, BSC 2010C. The comprehension and application of anatomical and mechanical principles involved in human movement. *Fall, Spring.*
- PET 4315C HPA-HP 3(2,2)**  
**Biomechanics of Sport:** PR: PHY 2053C or PHY 2048C & L. Assessment and recognition of physiological and mechanical aspects of sports and injuries. *Spring.*
- PET 4351C ED-CFCs 3(2,1)**  
**Exercise Physiology:** PR: PET 2084, BSC 2010C, and either PET 4312C or ZOO 3733C or ZOO 3736C. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. *Fall, Spring.*
- PET 4401 ED-CFCs 3(3,0)**  
**Administration and Evaluation in Sport and Fitness:** PR: Admission to Sport and Fitness program or C.I. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. *Fall, Spring.*
- PET 4550C ED-CFCs 3(2,1)**  
**Assessment and Evaluation in Exercise Science:** PR: PET 4351C. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. *Fall, Spring.*
- PET 4552 ED-CFCs 3(3,0)**  
**Exercise Prescription for Special Populations:** PR: BSC 2010C and PET 4351C. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercise for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. *Fall, Spring.*
- PET 4606 HPA-HP 3(3,0)**  
**Applied Fitness in Sport:** PR: ZOO 3733C or ZOO 3736C and PCB 3703C; Junior standing; Open to all COHPA majors. Appreciation and clinical application of fitness regarding athletics. *Spring.*
- PET 4640 ED-CFCs 3(3,0)**  
**Adapted Physical Education:** Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. *Spring.*
- PET 4710 ED-CFCs 3(3,0)**  
**Methods for Physical Activity for Children and Adolescents:** PR: Admission to the College of Education and/or Sport and Fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. *Fall, Spring.*
- PET 4724 ED-CFCs 3(3,0)**  
**Development and History of Physical Education Curriculum:** A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. *Occasional.*
- PET 4763 ED-CFCs 3(3,0)**  
**Coaching Methods And Principles:** PR: Junior standing, Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. *Occasional.*
- PET 4823C ED-CFCs 3(2,1)**  
**Teaching Sports Skills II:** PR: PET 3820. Skill, proficiency and knowledge to plan, implement and evaluate sports skills. *Odd Fall, Even Spring.*
- PET 4925 ED-CFCs 6(0,16)**  
**Sport and Fitness Practicum I:** PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S/U. *Fall, Spring.*
- PET 4926 ED-CFCs 9(9,0)**  
**Sport and Exercise Science Practicum:** 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.*
- PET 4943 ED-CFCs 12(0,35)**  
**Internship II:** PR: Must have completed course work in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. May be repeated for credit. *Occasional.*
- PET 5216 ED-CFCs 3(3,0)**  
**Motivational Aspects of Coaching:** PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. *Occasional.*
- PET 5355 ED-CFCs 3(3,0)**  
**Exercise and Health:** PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. *Occasional.*
- PET 5495 ED-CFCs 3(3,0)**  
**Critical Issues: Ethics in Coaching and Sport:** PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. *Occasional.*
- PET 5766 ED-CFCs 3(3,0)**  
**Advanced Coaching Theory:** PR: C.I. Advanced study of theories and methods of coaching for optimum sports performance. *Occasional.*
- PET 5931 ED-CFCs 3(3,0)**  
**Current Issues and Trends in Physical Education and Sport:** PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. *Occasional.*
- PGY 2401C CAH-SVAD 3(3,2)**  
**Beginning Photography:** PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. *Fall.* M&S fee \$45.00
- PGY 3002 CAH-SVAD 3(3,0)**  
**Contemporary Photography:** PR: PGY 2401C or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. *Occasional.*
- PGY 3205C CAH-SVAD 3(2,4)**  
**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
- PGY 3276 CAH-SVAD 3(3,0)**  
**The Professional Environment:** PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing; self-promotion strategies; funding opportunities; professional development; and professional presentation. *Occasional.*
- PGY 3410C CAH-SVAD 3(3,2)**  
**Intermediate Photography:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2401C. Intermediate camera and darkroom practice designed for art majors with studio skills. *Spring.* M&S fee \$45.00
- PGY 3451C CAH-SVAD 3(2,4)**  
**Alternative Processes:** PR: PGY 4472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. *Occasional.* M&S fee \$45.00
- PGY 3480 CAH-SVAD 3(3,0)**  
**Museum and Gallery Practices:** PR: PGY 3002 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. *Occasional.*
- PGY 3610C COS-COMM 3(1,4)**  
**Photojournalism I:** PR: Journalism majors only. Black and white shooting and processing, dark room and computer-based newspaper assignments. 35 MM SLR camera with manual mode required. *Fall, Spring.* M&S fee \$45.00
- PGY 3620C COS-COMM 3(1,2)**  
**Photojournalism II:** PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. *Occasional.* M&S fee \$45.00
- PGY 3630 COS-COMM 3(3,0)**  
**Photojournalism III:** PR: PGY 3620C. Photography Editing. Assignment selection, picture and copy editing, cropping, picture desk management, and ethics of photojournalism, and the new technological advances. *Occasional.* M&S fee \$11.00
- PGY 3651C CAH-SVAD 3(2,4)**  
**Narrative Editorial Photography:** PR: PGY 2655 Editorial Photography or C.I. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. *Fall.* M&S fee \$45.00
- PGY 3653C CAH-SVAD 3(2,4)**  
**Advanced Editorial Photography:** PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. *Spring.* M&S fee \$45.00
- PGY 3703C CAH-SVAD 3(2,4)**  
**Photography & the Web:** PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. *Occasional.* M&S fee \$45.00
- PGY 3751C CAH-SVAD 3(2,4)**  
**Videography:** PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. *Occasional.*
- PGY 3821C CAH-SVAD 3(2,4)**  
**Advanced Digital Photography:** PR: PGY 2401C or C.I. Current digital imaging software and its application to contemporary work. *Occasional.* M&S fee \$45.00

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- PGY 4003 CAH-SVAD 3(3,0)**  
**Image, Culture, and Society:** PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. *Occasional.*
- PGY 4228C CAH-SVAD 3(2,4)**  
**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
- PGY 4235C CAH-SVAD 3(2,4)**  
**Professional Photographic Workshop:** PR: PGY 3205C. Creative, logistical, and technical processes as related to a variety of special lighting problems in the photographic studio and on location. *Occasional.* M&S fee \$45.00
- PGY 4420C CAH-SVAD 3(2,3)**  
**Advanced Photography:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. *Fall, Spring.* M&S fee \$45.00
- PGY 4440C CAH-SVAD 3(2,3)**  
**Special Problems in Photography:** PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, PGY 2410C, and a satisfactory portfolio review or C.I.; Or, admission to the Photography program. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. *Occasional.* M&S fee \$20.00
- PGY 4471 CAH-SVAD 3(3,0)**  
**Photography Thesis:** PR: PGY 3276 The Professional Environment becomes a co-requisite. Course has been shifted from the senior fall semester to the senior spring semester which is the same term this course is offered. Senior thesis project culminating in a public exhibition or portfolio presentation. *Occasional.* M&S fee \$45.00
- PGY 4472C CAH-SVAD 3(2,1)**  
**Photo Visualization:** PR: PGY 2655, PGY 2216 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. *Occasional.* M&S fee \$45.00
- PGY 4493C CAH-SVAD 3(2,4)**  
**Photography and Art:** PR: PGY 4472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. *Occasional.* M&S fee \$45.00
- PGY 5108C CAH-SVAD 3(2,4)**  
**Advanced Techniques and Concepts in Photography:** PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. *Occasional.* M&S fee \$45.00
- PHH 3041 CAH-PHIL 3(3,0)**  
**Russian Philosophy:** PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. *Occasional.*
- PHH 3100 CAH-PHIL 3(3,0)**  
**Ancient Philosophy:** PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. *Occasional.*
- PHH 3200 CAH-PHIL 3(3,0)**  
**Medieval Philosophy:** PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Muslim, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. *Occasional.*
- PHH 3460 CAH-PHIL 3(3,0)**  
**Modern Western Philosophy:** PR: PHI 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. *Even Fall.*
- PHH 3510 CAH-PHIL 3(3,0)**  
**Marx and Nietzsche:** PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance. *Occasional.*
- PHH 3600 CAH-PHIL 3(3,0)**  
**Contemporary Philosophy:** PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. *Occasional.*
- PHH 3700 CAH-PHIL 3(3,0)**  
**American Philosophy:** PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. *Even Spring.*
- PHH 3701 CAH-PHIL 3(3,0)**  
**Native American Philosophy:** PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. *Even Fall.*
- PHI 2010 CAH-PHIL 3(3,0)**  
**Introduction to Philosophy:** Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. *Fall, Spring.*
- PHI 2010H CAH-PHIL 3(3,0)**  
**Honors Introduction to Philosophy:** PR: Permission of Honors. Same as PHI 2010 with honors-level content. *Fall.*
- PHI 2011 CAH-PHIL 3(3,0)**  
**Philosophical Reasoning:** A study of reasoning in philosophy: the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. *Occasional.*
- PHI 2101 CAH-PHIL 3(3,0)**  
**Formal Logic I:** A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. *Occasional.*
- PHI 2108 CAH-PHIL 3(3,0)**  
**Critical Thinking:** The logic of conversation, informal fallacies, and reasoning about human action. *Occasional.*
- PHI 2630 CAH-PHIL 3(3,0)**  
**Ethics:** An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. *Occasional.*
- PHI 2647 CAH-PHIL 3(3,0)**  
**Logic and Ethics:** PR: PHI 2101 or COT 3100C 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.*
- PHI 3033 CAH-PHIL 3(3,0)**  
**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.*
- PHI 3083 CAH-PHIL 3(3,0)**  
**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.*
- PHI 3131 CAH-PHIL 3(3,0)**  
**Formal Logic II:** PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logic systems and axiomatic methods; problems of metalogic, including consistency, completeness, and decidability. *Occasional.*
- PHI 3320 CAH-PHIL 3(3,0)**  
**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.*
- PHI 3323 CAH-PHIL 3(3,0)**  
**Minds and Machines: Philosophy of Cognitive Science:** PR: PHI 2010 or C.I. Assumptions undergirding research in Cognitive Science. *Fall, Odd Spring.*
- PHI 3451 CAH-PHIL 3(3,0)**  
**Philosophy of Psychology:** PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. *Occasional.*
- PHI 3601 CAH-PHIL 1(1,0)**  
**Practical Wisdom:** PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. *Occasional.*
- PHI 3625 CAH-PHIL 3(3,0)**  
**Virtual Ethics:** PR: COP 3502C 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.*
- PHI 3626 CAH-PHIL 3(3,0)**  
**Advanced Ethics in Science and Technology:** PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. *Fall, Spring.*
- PHI 3629 CAH-PHIL 3(3,0)**  
**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.*
- PHI 3638 CAH-PHIL 3(3,0)**  
**Ethical Issues in the 21st Century:** PR: PHI 2010 or C.I. Applications of ethical theory and moral problem-solving to contemporary issues. *Occasional.*
- PHI 3640 CAH-PHIL 3(3,0)**  
**Environmental Ethics:** PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. *Occasional.*
- PHI 3648 CAH-PHIL 3(3,0)**  
**Ethical Implications of the Human Genome Project:** PR: BSC 2010C and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. *Occasional.*
- PHI 3670 CAH-PHIL 3(3,0)**  
**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.*
- PHI 3672 CAH-PHIL 3(3,0)**  
**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.*
- PHI 3683 CAH-PHIL 3(3,0)**  
**Philosophy of Friendship:** PR: One of: PHI 2010, PHI 3670, PHI 3638, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. *Occasional.*
- PHI 3684 CAH-PHIL 3(3,0)**  
**Ways of Living:** PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life.". *Occasional.*
- PHI 3700 CAH-PHIL 3(3,0)**  
**Philosophy of Religion:** PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. *Odd Spring.*
- PHI 3720 CAH-PHIL 3(3,0)**  
**Faith and Reason:** PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. *Occasional.*





## UCF Courses and Descriptions

<b>PHI 3750</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>The Problem of Evil:</b> PR: PHI 2010 or C.I. The traditional problem of evil encompassing philosophical, theological, logical, and natural interpretations and assessments of moral and natural evil. <i>Occasional.</i>
<b>PHI 3790</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>African Philosophy:</b> PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. <i>Occasional.</i>
<b>PHI 3800</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Aesthetics:</b> PR: PHI 2010, HUM 2230, ARH 2050, or ARH 2051. An investigation into the nature of human artistic experience, with special reference to questions of form, perception, and style. <i>Occasional.</i>
<b>PHI 3803</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy and Creativity:</b> PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity: attempts to account for intuition, genius, and intelligence. <i>Occasional.</i>
<b>PHI 3805</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Contemporary Aesthetics:</b> PR: PHI 2010, HUM 2210, HUM 2230, ARH 2050 or ARH 2051. Contemporary themes and arguments about visual art in relationship to current aesthetic theories. <i>Occasional.</i>
<b>PHI 3941</b>	<b>CAH-PHIL</b>	<b>3(1,3)</b>	<b>Philosophy Practicum:</b> PR: C.I. Mentor at-risk grade schoolers and evaluate such work-related concepts as justice and fairness. <i>Occasional.</i>
<b>PHI 4221</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Language:</b> PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. <i>Spring.</i>
<b>PHI 4300</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Theories of Knowledge:</b> 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. <i>Occasional.</i>
<b>PHI 4321</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophies of Embodiment: Mind/Body/Self:</b> PR: Junior standing and either PHI 2010, PHI 2011, PHI 2108, 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. <i>Occasional.</i>
<b>PHI 4341</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Ways of Knowing:</b> PR: PHI 2010 or C.I. Philosophical study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. <i>Fall.</i>
<b>PHI 4400</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Science:</b> PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. <i>Occasional.</i>
<b>PHI 4420</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Social Science:</b> 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. <i>Occasional.</i>
<b>PHI 4500</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Metaphysics:</b> 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. <i>Occasional.</i>
<b>PHI 4633</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Ethics and Biological Science:</b> 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. <i>Occasional.</i>
<b>PHI 4633H</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Honors Ethics and Biological Science:</b> PR: BSC 2010C, 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. <i>Occasional.</i>
<b>PHI 4673</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Medical Ethics:</b> PR: Senior standing or C.I. Ethics of clinical medicine and medical research. <i>Spring.</i>
<b>PHI 4690</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Ethics in Nanoscience and Nanotechnology:</b> PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. <i>Odd Fall.</i>
<b>PHI 4804</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Critical Theory:</b> PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. <i>Even Fall.</i>
<b>PHI 4931</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy in the News:</b> PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. <i>Occasional.</i>
<b>PHI 4935</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Topics in Philosophy of Mind:</b> 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. <i>Occasional.</i>
<b>PHI 4938</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Senior Research Seminar:</b> PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills. <i>Occasional.</i>
<b>PHI 4951</b>	<b>CAH-PHIL</b>	<b>1(1,0)</b>	<b>Portfolio:</b> PR: PHI 3083 and last semester as Philosophy major. Presentation of a representative sampling of student's best work, with appropriate revisions, including a cover narrative indicating development of philosophical knowledge and skills. Graded <i>S/U</i> . <i>Occasional.</i>
<b>PHI 5225</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Language:</b> PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. <i>Occasional.</i>
<b>PHI 5325</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Topics in Philosophy of Mind:</b> PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. <i>Occasional.</i>
<b>PHI 5327</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Topics in the Cognitive Sciences:</b> 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. <i>Fall.</i>
<b>PHI 5328</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophies of Embodiment:</b> PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. <i>Occasional.</i>
<b>PHI 5329</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Neuroscience:</b> PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. <i>Occasional.</i>
<b>PHI 5340</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Research Methods in the Cognitive Sciences:</b> PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. <i>Spring.</i>
<b>PHI 5627</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Theoretical and Applied Ethics:</b> 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 application in professional fields. Variable content. <i>Fall.</i>
<b>PHI 5634</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Medical Ethics:</b> PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. <i>Fall.</i>
<b>PHI 5665</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Knowledge, Responsibility, and Society:</b> 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. <i>Occasional.</i>
<b>PHI 5687</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Ethics in Science and Technology:</b> 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. <i>Occasional.</i>
<b>PHM 3020</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Love:</b> 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. <i>Spring.</i>
<b>PHM 3022</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Sexuality, Gender &amp; Philosophy:</b> PR: WST 3015, PHI 2010, PHM 3123, or C.I. Examines the contributions of poststructuralist and neops psychoanalytical theories to cultural issues in sexuality and gender. <i>Even Spring.</i>
<b>PHM 3100</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Freedom and Justice:</b> PR: Junior standing or 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. <i>Occasional.</i>
<b>PHM 3123</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Feminist Theories:</b> PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. <i>Even Fall.</i>
<b>PHM 3401</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Philosophy of Law:</b> PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. <i>Spring.</i>
<b>PHM 4031</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Environmental Philosophy:</b> PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. <i>Occasional.</i>
<b>PHM 5035</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Environmental Philosophy:</b> 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. <i>Occasional.</i>
<b>PHP 3781</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>African-American Philosophy:</b> PR: PHI 2010. Analysis of contemporary African-American philosophy and overview of Black philosophy from slavery era writings to the present. <i>Occasional.</i>
<b>PHP 3783</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Modernity as a Philosophical Problem:</b> PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. <i>Occasional.</i>
<b>PHP 3786</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Existentialism:</b> 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. <i>Odd Fall.</i>

## UCF Courses and Descriptions

<b>PHP 4782</b> CAH-PHIL <b>3(3,0)</b> <b>Phenomenology:</b> 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. <i>Odd Spring.</i>	<b>PHT 4222</b> HPA-HP <b>2(2,0)</b> <b>Therapeutic Exercise I:</b> PR: PHT 3155; PHT 3155L. CR: PHT 4222L. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. <i>Occasional.</i>	<b>PHT 5240L</b> HPA-HP <b>2(0,4)</b> <b>Physical Assessment Lab:</b> PR: CR Physical Assessment. Lab course emphasizing the examinations required to perform an evaluation of physical therapy patient. <i>Fall.</i> M&S fee \$45.00
<b>PHT 3069</b> HPA-HP <b>1(1,0)</b> <b>Physical Assessment:</b> CR: PHT 3069L. Extensive theory and practice in the examination of the patient. Incorporates a systems approach, utilizing screening and patient problem solving. <i>Occasional.</i>	<b>PHT 4222L</b> HPA-HP <b>1(0,2)</b> <b>Therapeutic Exercise I Lab:</b> CR: PHT 4222. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. <i>Occasional.</i>	<b>PHT 5241</b> HPA-HP <b>2(2,0)</b> <b>Therapeutic Exercises I:</b> PR: CR Therapeutic Exercises I Lab. Theory of developing, implementing, and evaluating a therapeutic exercise program for patients with musculoskeletal dysfunction. <i>Spring.</i>
<b>PHT 3069L</b> HPA-HP <b>2(0,4)</b> <b>Physical Assessment Lab:</b> PR: PHT 3069. Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. <i>Occasional.</i>	<b>PHT 4230</b> HPA-HP <b>2(2,0)</b> <b>Therapeutic Exercise II:</b> PR: PHT 4222; PHT 4222L. CR: PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. <i>Occasional.</i>	<b>PHT 5241L</b> HPA-HP <b>2(0,4)</b> <b>Therapeutic Exercise Lab I:</b> PR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. <i>Spring.</i> M&S fee \$15.00
<b>PHT 3112</b> HPA-HP <b>2(2,0)</b> <b>Gross Anatomy/Neuroscience I:</b> 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 lower extremities. Regional cadaver dissection. <i>Occasional.</i>	<b>PHT 4230L</b> HPA-HP <b>1(0,2)</b> <b>Therapeutic Exercise II Lab:</b> CR: PHT 4230. Lab course emphasizing use of various therapeutic exercise modalities. <i>Occasional.</i>	<b>PHT 5260</b> HPA-HP <b>2(2,0)</b> <b>Patient Care Skills:</b> CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. <i>Fall.</i>
<b>PHT 3112L</b> HPA-HP <b>3(0,6)</b> <b>Gross Anatomy/Neuroscience I Lab:</b> CR: PHT 3112. Human cadaver dissection of the back, spinal cord, cranial nerves, and upper and lower extremities. <i>Occasional.</i>	<b>PHT 4307</b> HPA-HP <b>3(3,0)</b> <b>Pathology/Pharmacology:</b> PR: PHT 3113. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical management in physical therapy practice. <i>Occasional.</i>	<b>PHT 5260L</b> HPA-HP <b>1(0,2)</b> <b>Patient Care Skills Lab:</b> CR: Patient Care Skills. Skills of patient care, transfers, mobility skills. <i>Fall.</i> M&S fee \$30.00
<b>PHT 3113</b> HPA-HP <b>2(2,0)</b> <b>Gross Anatomy/Neuroscience II:</b> PR: PHT 3112; PHT 3112L. CR: PHT 3113L. In-depth study of human morphology emphasizing the brain, the cervical spine, pelvis, and the internal organs. <i>Occasional.</i>	<b>PHT 4308</b> HPA-HP <b>2(2,0)</b> <b>Medical Science and Pharmacology II:</b> The impact on movement and posture of various orthopedic and neurological disorders; drugs used in their management. Relates neuropathology and orthopedic pathology to the study of movement. <i>Occasional.</i>	<b>PHT 5718</b> HPA-HP <b>2(2,0)</b> <b>Neurological Physical Therapy:</b> PR: CR Neurological Physical Therapy Lab. Analysis of selected neuromotor theories and their clinical applications. Examinations and interventions for the evaluation and treatment of neurological patients presented. <i>Occasional.</i>
<b>PHT 3113L</b> HPA-HP <b>3(0,6)</b> <b>Gross Anatomy/Neuroscience II Lab:</b> CR: PHT 3113. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. <i>Occasional.</i>	<b>PHT 4610</b> HPA-HP <b>2(1,3)</b> <b>Clinical Research Problems I:</b> PR: Enrollment in sequence in the Physical Therapy program. Exploration of clinical problem-solving, decision making process. Critical review of relevant medical literature and supervised patient evaluation sessions. <i>Occasional.</i>	<b>PHT 5718L</b> HPA-HP <b>1(0,2)</b> <b>Neurological Physical Therapy Lab:</b> PR: CR Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. <i>Occasional.</i> M&S fee \$30.00
<b>PHT 3122</b> HPA-HP <b>3(3,0)</b> <b>Clinical Kinesiology:</b> 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 tissues. Coordinated with cadaver dissection. <i>Occasional.</i>	<b>PHT 5003</b> HPA-HP <b>2(2,0)</b> <b>Foundations of Physical Therapy I:</b> PR: Admission to the Physical Therapy program. Introduction to the profession of physical therapy. <i>Occasional.</i>	<b>PHY 2014C</b> COS-PHYS <b>3(2,2)</b> <b>Physics for Teachers I:</b> PR: C.I. "Hands-on" lecture-laboratory course. Statics, simple machines, density, solar energy, heat, weather, waves, optical reflections, naked eye astronomy. <i>Occasional.</i>
<b>PHT 3122L</b> HPA-HP <b>3(0,6)</b> <b>Clinical Kinesiology Lab:</b> CR: PHT 3122. Lab course investigating the mechanical aspects of human movement. <i>Occasional.</i>	<b>PHT 5005</b> HPA-HP <b>2(2,0)</b> <b>Foundations of Physical Therapy II:</b> PR: Foundations of Physical Therapy I. Psychosocial aspects of disability. Focus on cultural diversity issues, communication skills, and different styles of learning and teaching. <i>Occasional.</i>	<b>PHY 2048C</b> COS-PHYS <b>4(3,3)</b> <b>Physics for Engineers &amp; Scientists I:</b> PR: MAC 2311 or equivalent. Mechanics, Thermodynamics, fluids. <i>Fall, Spring.</i> M&S fee \$15.00
<b>PHT 3155</b> HPA-HP <b>2(2,0)</b> <b>Physiology of Therapeutic Exercise:</b> PR: PHT 3259. CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. <i>Occasional.</i>	<b>PHT 5125</b> HPA-HP <b>2(2,0)</b> <b>Clinical Kinesiology:</b> CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. <i>Occasional.</i>	<b>PHY 2048C</b> COS-PHYS <b>4(3,3)</b> <b>Honors Physics for Engineers and Scientists I:</b> PR: Permission of Honors and MAC 2311 or equivalent. Same as PHY 2048C with honors-level content. <i>Fall, Spring.</i>
<b>PHT 3155L</b> HPA-HP <b>2(0,4)</b> <b>Physiology of Therapeutic Exercise Lab:</b> CR: PHT 3155. Lab course emphasizing the clinical application of exercise physiology. <i>Occasional.</i>	<b>PHT 5125L</b> HPA-HP <b>2(0,2)</b> <b>Clinical Kinesiology Lab:</b> CR: PHT 5125. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. <i>Occasional.</i> M&S fee \$35.00	<b>PHY 2049C</b> COS-PHYS <b>4(3,3)</b> <b>Physics for Engineers and Scientists II:</b> PR: MAC 2312 and PHY 2048C or PHY 2048H. Electricity, magnetism, optics. <i>Fall, Spring.</i> M&S fee \$15.00
<b>PHT 3259</b> HPA-HP <b>2(2,0)</b> <b>Patient Care Skills:</b> CR: PHT 3259. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. <i>Occasional.</i>	<b>PHT 5218</b> HPA-HP <b>2(2,0)</b> <b>Theories and Procedures I:</b> PR: CR Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. <i>Spring.</i>	<b>PHY 2049C</b> COS-PHYS <b>4(3,3)</b> <b>Honors Physics for Engineers and Scientists II:</b> PR: Permission of Honors and PHY 2048C, MAC 2312. Same as PHY 2049C with honors-level content. <i>Fall, Spring.</i>
<b>PHT 3259L</b> HPA-HP <b>1(0,2)</b> <b>Patient Care Skills Lab:</b> CR: PHT 3259. Lab course covering basic skills of patient care; transfers, mobility skills, draping, gait training. <i>Occasional.</i>	<b>PHT 5218L</b> HPA-HP <b>1(0,2)</b> <b>Theories and Procedures I lab:</b> PR: CR Theories and Procedures I. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. <i>Spring.</i> M&S fee \$30.00	<b>PHY 2053C</b> COS-PHYS <b>4(3,3)</b> <b>College Physics I:</b> PR: MAC 1105C and MAC 1114 or equivalent or C.I. Mechanics, waves, thermodynamics. <i>Fall, Spring.</i> M&S fee \$15.00
<b>PHT 3602</b> HPA-HP <b>2(2,0)</b> <b>Introduction to Clinical Research:</b> PR: STA 2023. Methods of research applied to clinical environment of physical therapy. Coverage of the language, logic, design and analysis of clinical research. <i>Occasional.</i>	<b>PHT 5240</b> HPA-HP <b>1(1,0)</b> <b>Physical Assessment:</b> PR: Physical Assessment Lab. Extensive theory and practice in the examination of the patient. Incorporate a systems approach, utilizing screening, and patient problem solving. <i>Fall.</i>	<b>PHY 2053H</b> COS-PHYS <b>4(3,3)</b> <b>Honors College Physics I:</b> PR: MAC 1105C and MAC 1114 or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. <i>Fall.</i>
<b>PHT 4119C</b> HPA-HP <b>4(3,2)</b> <b>Clinical Gross Anatomy:</b> PR: ZOO 3733C and C.I. Review of human anatomical systems using cadavers and emphasizing clinical applications and pathologies. <i>Fall.</i> M&S fee \$45.00		<b>PHY 2054C</b> COS-PHYS <b>4(3,3)</b> <b>College Physics II:</b> PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. <i>Fall, Spring.</i> M&S fee \$15.00

## UCF Courses and Descriptions

<b>PHY 2090</b> <b>COS-PHYS</b> <b>0(0,1.5)</b> <b>Physics Today:</b> CR: PHY 2048C or PHY 2049C. Fundamental physics principles behind recent developments in physics research will be presented in a seminar format. May be repeated. <i>Occasional.</i>	<b>PHY 4803L</b> <b>COS-PHYS</b> <b>3(1.5)</b> <b>Advanced Physics Laboratory:</b> PR: PHY 3802L. Experiments in optics, electronics, nuclear and solid state physics. Emphasis on design, data, and scientific writing. <i>Occasional.</i> M&S fee \$15.00	<b>PHY 5650</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Introduction to Quantum Computation:</b> PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. <i>Occasional.</i>
<b>PHY 3101</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Physics for Engineers and Scientists III:</b> PR: MAC 2313 and PHY 2049C or PHY 2049H. Thermodynamics, oscillations, modern physics. <i>Fall, Spring.</i>	<b>PHY 4942C</b> <b>COS-PHYS</b> <b>3(2,3)</b> <b>Practicum in Physics:</b> PR: C.I. Physics laboratories and demonstrations, and the study of recent research on the learning of physics. <i>Occasional.</i>	<b>PHY 5704</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Physics of Nanoelectronics Devices:</b> PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. <i>Odd Fall.</i>
<b>PHY 3110H</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Honors Physics for Engineers and Scientists III:</b> PR: Permission of Honors and PHY 2049C or PHY 2049H. Same as PHY 3101 with honors-level content. <i>Occasional.</i>	<b>PHY 5015C</b> <b>COS-PHYS</b> <b>3(2,2)</b> <b>Physics for Teachers II:</b> PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. <i>Occasional.</i>	<b>PHY 5705</b> <b>COS-PHYS</b> <b>1(1,0)</b> <b>Physics of Graphene and Carbon Nanotubes:</b> PR: PHZ 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. <i>Odd Fall.</i>
<b>PHY 3220</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Mechanics I:</b> PR: PHY 2048C or PHY 2048H, MAP 2302. Particle dynamics, rigid bodies, Lagrangian formulation of mechanics, Hamilton's equations. <i>Spring.</i>	<b>PHY 5016</b> <b>COS-PHYS</b> <b>1(1,0)</b> <b>Topics in Contemporary Physics for Teachers:</b> PR: Graduate status or senior standing or C.I. The study of recent findings in a selected area such as particle physics, surface physics, planetary atmospheres, lasers, geophysics, etc. May be repeated for credit. <i>Occasional.</i>	<b>PHY 5715</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Physical Basis of Life:</b> PR: Graduate standing or C.I. Molecular and physical principles of origin of life, physical and chemical interpretation of life processes. <i>Fall.</i>
<b>PHY 3323</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Electricity and Magnetism I:</b> PR: PHY 2049C, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell's equations. <i>Fall.</i>	<b>PHY 5140C</b> <b>COS-PHYS</b> <b>3(3,2)</b> <b>Ion-Solid Interactions:</b> 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. <i>Even Spring.</i>	<b>PHY 5817L</b> <b>COS-PHYS</b> <b>1(0,3)</b> <b>Building Physics Apparatus:</b> PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. <i>Occasional.</i> M&S fee \$45.00
<b>PHY 3513</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Thermal and Statistical Physics:</b> PR: PHY 3101 or PHY 3110H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. <i>Fall.</i>	<b>PHY 5200C</b> <b>COS-PHYS</b> <b>1(0.5,1.5)</b> <b>Newtonian Mechanics for Teachers:</b> PR: Graduate status or senior standing or C.I. A lab, lecture, demonstration course studying selected topics in classical mechanics. <i>Occasional.</i>	<b>PHY 5846C</b> <b>COS-PHYS</b> <b>3(3,3)</b> <b>Methods of Experimental Physics:</b> 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. <i>Fall.</i>
<b>PHY 3722C</b> <b>COS-PHYS</b> <b>3(1,5)</b> <b>Physics Laboratory-Electronics:</b> PR: PHY 2049C. State-of-the-art electronics, transducers, operational amplifiers, phase sensitive circuits, active filters. <i>Occasional.</i> M&S fee \$15.00	<b>PHY 5300C</b> <b>COS-PHYS</b> <b>1(0.5,1.5)</b> <b>Electricity for Teachers:</b> PR: Graduate status or senior standing or C.I. Circuits, multimeters, oscilloscopes, circuit elements. <i>Occasional.</i>	<b>PHY 5933</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Selected topics in biophysics of macromolecules:</b> PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. <i>Occasional.</i>
<b>PHY 3752C</b> <b>COS-PHYS</b> <b>3(1,5)</b> <b>Physics of Scientific Instruments:</b> PR: PHY 3101 or C.I. Applications, functions and operation of electronic instruments. <i>Occasional.</i> M&S fee \$12.00	<b>PHY 5302C</b> <b>COS-PHYS</b> <b>1(0.5,1.5)</b> <b>Electromagnetism for Teachers:</b> PR: Graduate status or senior standing or C.I. Gauss' Law, Biot-Savart Law, Ampere's Law, Faraday's Law, Lenz's law, motors, generators, AC circuits and Maxwell's Equations. <i>Occasional.</i>	<b>PHZ 3113</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Introduction to Theoretical Methods of Physics:</b> PR: MAP 2302. Analytical techniques to solve problems of physics. <i>Spring.</i>
<b>PHY 3802L</b> <b>COS-PHYS</b> <b>3(1,5)</b> <b>Intermediate Physics Laboratory:</b> PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electronics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. <i>Fall.</i>	<b>PHY 5346</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Electrodynamics I:</b> 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. <i>Fall.</i>	<b>PHZ 3151</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Computer Methods in Physics:</b> PR: PHY 3101. Non-analytical problems in physics and astronomy solved by approximation with computer assistance. <i>Occasional.</i>
<b>PHY 3920</b> <b>COS-PHYS</b> <b>1(1,0)</b> <b>Frontiers in Physics Research: Colloquia and Public Talks:</b> PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. <i>Fall, Spring.</i>	<b>PHY 5401C</b> <b>COS-PHYS</b> <b>1(0.5,1.5)</b> <b>Optics for Teachers:</b> PR: Graduate status or senior standing or C.I. Geometrical and physical optics, spectrometers and lasers. <i>Occasional.</i>	<b>PHZ 3422</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Nanophysics:</b> PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. <i>Occasional.</i>
<b>PHY 4324</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Electricity and Magnetism II:</b> PR: PHY 3323. Dielectrics, magnetic materials, electromagnetic waves, reflection, complex impedance, static solutions to Laplace's Equation, radiation from an accelerated charge and antennae, special relativity. <i>Spring.</i>	<b>PHY 5455</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Modern X-ray Science:</b> 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. <i>Occasional.</i>	<b>PHZ 3601</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Einstein's Theory of Relativity:</b> PR: PHY 2049. Einstein's special theory of relativity. Introduction to general relativity. <i>Occasional.</i>
<b>PHY 4424</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Optics:</b> PR: PHY 3101 and PHY 3323. Wave optics, absorption, stimulated emission, lasers, transforms, coherence, holography. <i>Occasional.</i>	<b>PHY 5466C</b> <b>COS-PHYS</b> <b>1(0.5,1.5)</b> <b>Wave Motion for Teachers:</b> PR: Graduate status or senior standing or C.I. Water waves, waves on strings, sound and vibrations. <i>Occasional.</i>	<b>PHZ 4041</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Attosecond Laser Physics:</b> PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theory through complex concepts of attosecond optics. <i>Occasional.</i>
<b>PHY 4424L</b> <b>COS-PHYS</b> <b>3(0,3)</b> <b>Optical Physics Laboratory:</b> A laboratory course on geometric optics, interference, diffraction, materials and modern optics. <i>Occasional.</i>	<b>PHY 5500C</b> <b>COS-PHYS</b> <b>1(0.5,1.5)</b> <b>Thermal Physics for Teachers:</b> PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. <i>Occasional.</i>	<b>PHZ 4390</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Nuclear and Particle Physics:</b> PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. <i>Occasional.</i>
<b>PHY 4445</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Lasers:</b> PR: PHY 3101, MAP 2302, PHY 4424, or C.I. Principles of laser gain media, properties of resonators and modes, and description of specific laser systems. <i>Occasional.</i>	<b>PHY 5524</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Statistical Physics:</b> PR: PHY 3513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. <i>Spring.</i>	<b>PHZ 4404</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Solid State Physics:</b> PR: PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, semiconductors. <i>Occasional.</i>
<b>PHY 4604</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Wave Mechanics I:</b> PR: PHZ 3113. Postulates of Quantum Mechanics. Operators and Observables, Schrodinger equation with simple applications. <i>Fall.</i>	<b>PHY 5606</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Quantum Mechanics I:</b> PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrodinger equation, matrix formulation, and time independent perturbation theory. <i>Fall.</i>	<b>PHZ 4434</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Nanoscale Surface Physics:</b> PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. <i>Even Fall.</i>
<b>PHY 4605</b> <b>COS-PHYS</b> <b>3(3,0)</b> <b>Wave Mechanics II:</b> PR: PHY 4604. Further applications of quantum mechanics, perturbation theory, scattering theory, identical particles. <i>Spring.</i>		

## UCF Courses and Descriptions

- PHZ 5045 COS-PHYS 3(3,0)**  
**Attosecond Laser Physics:** PR: PHY 5606, PHY 5346 or PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. *Odd Spring.*
- PHZ 5156 COS-PHYS 3(3,0)**  
**Computational Physics:** PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. *Fall.*
- PHZ 5304 COS-PHYS 3(3,0)**  
**Nuclear and Particle Physics:** PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. *Occasional.*
- PHZ 5405 COS-PHYS 3(3,0)**  
**Condensed Matter Physics:** PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. *Occasional.*
- PHZ 5425C COS-PHYS 3(3,3)**  
**Electron Solid Interactions:** PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. *Occasional.*
- PHZ 5432 COS-PHYS 3(3,0)**  
**Introduction to Soft Condensed Matter Physics:** PR: PHY 3513 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. *Occasional.*
- PHZ 5437 COS-PHYS 3(3,0)**  
**Nanoscale Surface Physics:** PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. *Occasional.*
- PHZ 5445 COS-PHYS 3(3,0)**  
**Nanofabrication using Focused Ion Beam:** PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. *Odd Spring.*
- PHZ 5505 COS-PHYS 3(3,0)**  
**Plasma Physics:** PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. *Occasional.*
- PHZ 5600 COS-PHYS 1(1,0)**  
**Special Relativity for Teachers:** PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. *Occasional.*
- PLA 3014 HPA-LS 3(3,0)**  
**Law and the Legal System:** A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. *Fall, Spring.*
- PLA 3108 HPA-LS 3(3,0)**  
**Legal Research:** PR: PLA 3014 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. *Fall, Spring.*
- PLA 3155 HPA-LS 3(3,0)**  
**Legal Writing:** PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. *Fall, Spring.*
- PLA 3205 HPA-LS 3(3,0)**  
**Civil Practice and Procedure:** PR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. *Fall, Spring.*
- PLA 3205H HPA-LS 3(3,0)**  
**Civil practice and Procedure - Honors:** PR: Permission of Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. *Occasional.*
- PLA 3277 HPA-LS 3(3,0)**  
**The Law of Torts:** PR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. *Fall, Spring.*
- PLA 3306 HPA-LS 3(3,0)**  
**Criminal Law:** Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. *Fall, Spring.*
- PLA 3309 HPA-LS 3(3,0)**  
**Criminal Procedure:** PR: PLA 3014 or CCJ 3024 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. *Fall, Spring.*
- PLA 3615 HPA-LS 3(3,0)**  
**Property and Real Estate Law:** PR: PLA 3014. 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:** 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 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. *Occasional.*
- PLA 4240 HPA-LS 3(3,0)**  
**Negotiation Alternatives in Law:** PR: PLA 3014/C.I. Theories and skills involved in negotiation, mediation and other dispute resolutions processes. *Occasional.*
- PLA 4263 HPA-LS 3(3,0)**  
**Evidence:** PR: PLA 3014 and 3201 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. *Fall, Spring.*
- PLA 4424 HPA-LS 3(3,0)**  
**The Law of Contracts:** Study of the basic law of 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:** 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: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. *Occasional.*
- PLA 4472 HPA-LS 3(3,0)**  
**Employment Discrimination Law:** PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. *Occasional.*
- PLA 4485 HPA-LS 3(3,0)**  
**Administrative Law:** PR: PLA 3014 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. *Fall, Spring.*
- PLA 4530 HPA-LS 3(3,0)**  
**Legal Issues of the Elderly:** PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. *Occasional.*
- PLA 4554 HPA-LS 3(3,0)**  
**Environmental Law:** PR: PLA 3014 and PLA 4485 or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. *Odd Fall, Odd Spring.*
- PLA 4583 HPA-LS 3(3,0)**  
**Cyber Law I:** PR: PLA 3014. Analysis of copyright, trademark, and patent issues in cyberspace. *Occasional.*
- PLA 4583H HPA-LS 3(3,0)**  
**Honors Cyber Law:** PR: Honors GEP completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content. *Occasional.*
- PLA 4607 HPA-LS 3(3,0)**  
**Estates and Trusts:** PR: PLA 3014, PLA 3615. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. *Fall, Spring.*
- PLA 4609 HPA-LS 3(3,0)**  
**Estate Administration:** PR: PLA 4607. Study of the laws and procedures applicable to administration of estates. *Occasional.*
- PLA 4703 HPA-LS 3(3,0)**  
**Professional Ethics and Liability:** PR: PLA 3014. Ethical responsibilities of professionals. Canons of legal ethics, liability for professional malpractice. *Fall, Spring.*
- PLA 4710 HPA-LS 1(1,0)**  
**Careers in Legal Studies:** PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded S/U. *Occasional.*
- PLA 4734 HPA-LS 3(3,0)**  
**Advanced Legal Applications Computer Software:** PR: PLA 3014 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. *Occasional.*
- PLA 4764 HPA-LS 3(3,0)**  
**Law Office Practices:** PR: PLA 3014. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. *Occasional.*
- PLA 4806 HPA-LS 3(3,0)**  
**Domestic Relations Law:** PR: PLA 3014 and PLA 3615, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. *Fall, Spring.*
- PLA 4813 HPA-LS 3(3,0)**  
**Juvenile Law and Procedure:** PR: PLA 3014 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. *Occasional.*
- PLA 4823 HPA-LS 3(3,0)**  
**Sports Law:** PR: PLA 3014 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. *Occasional.*
- PLA 4824 HPA-LS 3(3,0)**  
**Legal Issues for Athletic Trainers:** PR: C.I. Analysis of the legal issues affecting athletic trainers. *Occasional.*
- PLA 4825 HPA-LS 3(3,0)**  
**Entertainment Law:** PR: PLA 3014 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. *Occasional.*
- PLA 4826 HPA-LS 3(3,0)**  
**Advanced Entertainment Law:** PR: PLA 4825. Legal complexities and regulations pertaining to the Entertainment Industry at an advanced level. *Occasional.*



## UCF Courses and Descriptions

<b>PLA 4830</b> <b>HPA-LS</b> <b>3(3,0)</b> <b>World Legal Systems:</b> PR: PLA 3014 or equivalent. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. <i>Occasional.</i>	<b>POS 3122</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>State Government and Public Policy:</b> PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. <i>Occasional.</i>	<b>POS 3463</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Interest Groups:</b> PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. <i>Occasional.</i>
<b>PLA 4864</b> <b>HPA-LS</b> <b>3(3,0)</b> <b>Admiralty and Maritime Law:</b> PR: PLA 3014. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. <i>Occasional.</i>	<b>POS 3122H</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Honors State Government and Public Policy:</b> 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. <i>Occasional.</i>	<b>POS 3627</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Cultural Pluralism and Law:</b> PR: POS 2041. A case law approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S. <i>Occasional.</i>
<b>PLA 4910</b> <b>HPA-LS</b> <b>3(3,0)</b> <b>Trial Advocacy:</b> PR: PLA 3014, PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. <i>Fall, Spring.</i>	<b>POS 3173</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Southern Politics:</b> PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors effecting changes in the region and the states. Southern and national relationship examined. <i>Occasional.</i>	<b>POS 3703</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Scope and Methods of Political Science:</b> PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. <i>Fall, Spring.</i>
<b>PLA 4935</b> <b>HPA-LS</b> <b>3(3,0)</b> <b>Capstone: Legal Issues:</b> PR: senior status, PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. <i>Fall, Spring.</i>	<b>POS 3182</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Florida Politics:</b> PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. <i>Occasional.</i>	<b>POS 3949</b> <b>COS-POLS</b> <b>0(0,8)</b> <b>Cooperative Education in Political Science:</b> PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. <i>Occasional.</i>
<b>PLA 5587</b> <b>HPA-LS</b> <b>3(3,0)</b> <b>Current Issues in Cyberlaw:</b> 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. <i>Occasional.</i>	<b>POS 3182H</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Honors Florida Politics:</b> 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. <i>Occasional.</i>	<b>POS 4074</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Latino Politics:</b> PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. <i>Odd Fall.</i>
<b>PLA 5937</b> <b>HPA-LS</b> <b>3(1,2)</b> <b>Seminar in Contemporary Legal Problems:</b> PR: C.I. Analysis of current trends in legislation and court decisions and their significance to American society. <i>Occasional.</i>	<b>POS 3233</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Public Opinion:</b> 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. <i>Fall.</i>	<b>POS 4142</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Metropolitan Politics:</b> Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. <i>Occasional.</i>
<b>POR 1120C</b> <b>CAH-LANG</b> <b>4(3,1)</b> <b>Elementary Portuguese Language and Civilization I:</b> Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. <i>Fall.</i>	<b>POS 3234</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Protest in American Politics:</b> 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. <i>Occasional.</i>	<b>POS 4204</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Political Behavior:</b> PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. <i>Occasional.</i>
<b>POR 1121C</b> <b>CAH-LANG</b> <b>4(3,1)</b> <b>Elementary Portuguese Language and Civilization II:</b> PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. <i>Spring.</i>	<b>POS 3235</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Mass Media and Politics:</b> PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. <i>Occasional.</i>	<b>POS 4206</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Political Psychology:</b> The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. <i>Occasional.</i>
<b>POR 2200</b> <b>CAH-LANG</b> <b>3(3,0)</b> <b>Intermediate Portuguese I:</b> PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. <i>Fall, Spring.</i>	<b>POS 3235H</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Honors Mass Media and Politics:</b> PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. <i>Occasional.</i>	<b>POS 4246</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Political Socialization:</b> PR: POS 2041 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. <i>Occasional.</i>
<b>POR 2201</b> <b>CAH-LANG</b> <b>3(3,0)</b> <b>Intermediate Portuguese II:</b> PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. <i>Fall, Spring.</i>	<b>POS 3253</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Contemporary Revolution and Political Violence:</b> Theories and cases of revolutionary change and political violence in the contemporary world. <i>Occasional.</i>	<b>POS 4284</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Judicial Process and Politics:</b> Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. <i>Fall, Odd Spring.</i>
<b>POR 3140</b> <b>CAH-LANG</b> <b>3(3,0)</b> <b>Accelerated Portuguese for Speakers of Romance Languages:</b> 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. <i>Occasional.</i>	<b>POS 3258</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Politics in Film:</b> PR: POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. <i>Even Fall.</i>	<b>POS 4412</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Presidential Campaigning:</b> PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. <i>Occasional.</i>
<b>POS 2041</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>American National Government:</b> A study of the dynamics of American national government, including its structure, organization, powers, and procedures. <i>Fall, Spring.</i>	<b>POS 3273</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Voting and Elections:</b> Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. <i>Occasional.</i>	<b>POS 4603</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>American Constitutional Law:</b> PR: POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. <i>Fall.</i>
<b>POS 2041H</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Honors American National Government:</b> PR: Permission of Honors. Same as POS 2041 with honors-level content. <i>Occasional.</i>	<b>POS 3413</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>The American Presidency:</b> PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. <i>Occasional.</i>	<b>POS 4604</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>American Constitutional Law II:</b> PR: POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. <i>Spring.</i>
<b>POS 3076</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>American Indian Politics:</b> PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. <i>Occasional.</i>	<b>POS 3424</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Congress and the Legislative Process:</b> PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. <i>Fall.</i>	<b>POS 4622</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Politics and Civil Rights:</b> PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. <i>Occasional.</i>
	<b>POS 3443</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Political Parties and Processes:</b> PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. <i>Occasional.</i>	<b>POS 4742</b> <b>COS-POLS</b> <b>3(3,0)</b> <b>Geographic Information Systems for the Political Scientist:</b> PR: POS 2041. Theoretical assumptions, analytical possibilities, and application of Geographic Information Systems (GIS) for political science research. <i>Occasional.</i>



# UCF Courses and Descriptions

**POS 4941L COS-POLS 3-9(0,3-9)**  
**Political Science Internship:** PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. *Occasional.*

**POT 3204 COS-POLS 3(3,0)**  
**American Political Thought:** From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. *Odd Fall.*

**POT 3302 COS-POLS 3(3,0)**  
**Modern Political Ideologies:** A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism. *Occasional.*

**POT 4003 COS-POLS 3(3,0)**  
**Political Theory:** PR: POS 2041 or C.I. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. *Occasional.*

**POT 4025 COS-POLS 3(3,0)**  
**Ancient, Medieval and Early Modern Political Philosophy:** Study of the development of political and social ideas in western thought from early Greece through the 17th century. *Occasional.*

**POT 4054 COS-POLS 3(3,0)**  
**Modern Political Philosophy:** Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). *Occasional.*

**POT 4066 COS-POLS 3(3,0)**  
**Contemporary Political Theory:** PR: Junior standing or C.I. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxist, libertarian, and feminist critiques of liberalism. *Occasional.*

**POT 4109 COS-POLS 3(3,0)**  
**Politics and Literature:** PR: Junior standing. An examination of politics and the political process through the medium of literature. *Occasional.*

**POT 4305 COS-POLS 3(3,0)**  
**The State, Society, and the Individual:** PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. *Odd Fall.*

**POT 4314 COS-POLS 3(3,0)**  
**Contemporary Democratic Theory:** PR: POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. *Occasional.*

**POT 4331 COS-POLS 3(3,0)**  
**Utopia/Dystopia:** PR: POS 2041 or C.I. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. *Occasional.*

**POT 4345 COS-POLS 3(3,0)**  
**Pan-Africanist Thought:** PR: INR 2002. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. *Occasional.*

**POT 4414 COS-POLS 3(3,0)**  
**Marxist Political Theory:** Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted Marxist principles for governance. *Occasional.*

**POT 4632 COS-POLS 3(3,0)**  
**Religion and Politics:** PR: Junior standing. Institutional and individual relationship of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. *Occasional.*

**PPE 3003C COS-PSYCH 3(3,2)**  
**Personality Theory and Research:** PR: PSY 2012. A survey of theory and research on the development of personality characteristics. *Fall, Spring.*

**PPE 3003H COS-PSYCH 3(3,0)**  
**Honors Personality Theory:** PR: PSY 2012 and Consent of Burnett Honors College. Theory and research on the development of personality characteristics. With Honors content. *Occasional.*

**PPE 5055 COS-PSYCH 3(3,0)**  
**Personality Theories:** PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and psychological assessment. *Occasional.*

**PSB 3002 COS-PSYCH 3(3,0)**  
**Physiological Psychology:** PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. *Fall, Spring.*

**PSB 3002H COS-PSYCH 3(3,0)**  
**Honors Physiological Psychology:** PR: PSY 2012H and consent of Honors. Physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. With Honors content. *Occasional.*

**PSB 3441 COS-PSYCH 3(3,0)**  
**Psychobiological Aspects of Drugs:** PR: PSY 2012. An advanced course designed for web instruction. Focuses on pharmacology, neurophysiology and neuroanatomy as the foundation of understanding behavior and social consequences of drug use. *Spring.*

**PSB 3842 COS-PSYCH 3(3,0)**  
**Sleep and Dreams:** PR: PSY 2012. An overview of the psychological and physiological foundations of sleep and dreams. Concrete facts and disturbances of sleep. Cultural perspectives on, and contemporary applications of dreams. *Occasional.*

**PSB 4103C COS-PSYCH 3(2,2)**  
**Biofeedback Applications:** PR: PSY 2012, PSB 3002 and C.I. Introduction to theory, instrumentation, research and clinical application of biofeedback. Training in use of biofeedback equipment. *Lecture/Lab. Occasional.*

**PSB 4240C COS-PSYCH 4(3,2)**  
**Neuropsychology:** PR: PSB 3002. Study of brain function, with particular emphasis on human behavior. *Lecture/Lab. Fall, Odd Spring.*

**PSB 4422 COS-PSYCH 3(2,2)**  
**Brainwaves and Behavior:** PR: PSB 3002. Review of research and clinical practice in the use of computerized EEG for treatment of selected physical and psychological disorders. *Occasional.*

**PSB 5005 COS-PSYCH 3(3,0)**  
**Physiological Psychology:** PR: PSB 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. *Occasional.*

**PSC 1121 COS-PHYS 3(3,0)**  
**Physical Science:** PR: High school algebra or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. *Fall, Spring. M&S fee \$2.20*

**PSC 1121H COS-PHYS 3(3,0)**  
**Honors Physical Science:** PR: Permission of Honors and MAC 1105C or MGF 1106. PSC 1121 with Honors-level content. *Occasional.*

**PSC 1121L COS-PHYS 1(0,2)**  
**Physical Science Lab:** CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. *Fall, Spring. M&S fee \$10.00*

**PSC 1801 COS-PHYS 3(3,0)**  
**Physics in Films:** PR: High school algebra. Physics using film as a vehicle of education. Not open to students with credit in PSC 1121. *Occasional.*

**PSY 2012 COS-PSYCH 3(3,0)**  
**General Psychology:** A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. *Fall, Spring.*

**PSY 2012H COS-PSYCH 3(3,0)**  
**Honors General Psychology:** PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. *Fall, Spring.*

**PSY 2023 COS-PSYCH 1(1,0)**  
**Careers in Psychology:** PR: PSY 2012. An examination of various career opportunities in Psychology, including educational entry requirements, and related professional issues. Graded S/U. *Occasional.*

**PSY 3022C COS-PSYCH 3(1,8)**  
**Academic Counseling:** PR: PSY 2012. Psychology majors only. Research findings, theory, models and techniques of academic counseling and career advising. *Occasional.*

**PSY 3028 COS-PSYCH 3(3,0)**  
**Psychology of Career Development:** PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. *Occasional.*

**PSY 3204C COS-PSYCH 4(3,2)**  
**Statistical Methods in Psychology:** PR: PSY 2012; PR: or CR: STA 2014C or STA 2023; or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. *Occasional.*

**PSY 3204H COS-PSYCH 4(3,1)**  
**Honors Statistical Methods in Psychology:** PR: STA 2014C or STA 2023 and consent of Honors. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. *Occasional.*

**PSY 3213C COS-PSYCH 5(3,2)**  
**Research Methods in Psychology:** PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. *Fall, Spring. M&S fee \$20.00*

**PSY 3213H COS-PSYCH 5(3,2)**  
**Honors Research Methods in Psychology:** PR: PSY 2012, PSY 3204C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. *Occasional.*

**PSY 3302 COS-PSYCH 3(3,0)**  
**Psychological Measurement:** PR: PSY 2012 and STA 2014C or STA 2023. A study of the theory underlying psychological tests and measurements procedures, including reliability, validity, and item analysis. *Occasional.*

**PSY 3320C COS-PSYCH 3(2,2)**  
**Survey Methods in Psychology:** PR: PSY 3213C and SOP 3004C. Sampling methods, questionnaire construction, and interpretation of results. *Occasional.*

**PSY 3630 COS-PSYCH 3(3,0)**  
**Psychology of Human-Animal Interaction:** PR: PSY 2012. Psychological aspects of human relationships with animals. *Occasional.*

**PSY 3703 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.*

**PSY 3951 COS-PSYCH 1-9(3-30)**  
**Undergraduate Field Work:** PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. *Fall, Spring.*

## UCF Courses and Descriptions

<b>PSY 4025</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>	<b>PUP 4209</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 4801</b>	<b>COS-COMM</b>	<b>3(3,0)</b>
<b>The Psychology of Art:</b> PR: PSY 2012, and ARH 2050 or ARH 2051. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. <i>Occasional.</i>			<b>Urban Environmental Policy:</b> PR: POS 2041. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. <i>Occasional.</i>			<b>Public Relations Case Studies:</b> PR: Ad-PR majors only and PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. <i>Fall, Spring.</i>		
<b>PSY 4215C</b>	<b>COS-PSYCH</b>	<b>4(3,2)</b>	<b>PUP 4323</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>QMB 4700</b>	<b>BA-MAN</b>	<b>3(3,0)</b>
<b>Advanced Research Methods in Psychology:</b> PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. <i>Fall, Spring.</i> M&S fee \$20.00			<b>Women and Public Policy:</b> PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women's lives in the United States. <i>Occasional.</i>			<b>Managerial Decision Making:</b> PR: GEB 3031 and MAN 3025. Computer-based quantitative decision models (including linear programming and extensions, queuing, network models, simulation) and decision support systems for business organizations. <i>Occasional.</i>		
<b>PSY 4270L</b>	<b>COS-PSYCH</b>	<b>3(0,3)</b>	<b>PUP 4404</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>RAT 3001</b>	<b>HPA-HP</b>	<b>3(3,0)</b>
<b>Advanced Research Methods Statistical Lab:</b> PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. <i>Occasional.</i> M&S fee \$15.00			<b>Education and Politics:</b> PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. <i>Occasional.</i>			<b>Introduction to Radiation Oncology:</b> PR: Acceptance into program. An overview of radiation therapy treatment procedures and patient care considerations. <i>Occasional.</i>		
<b>PSY 4305C</b>	<b>COS-PSYCH</b>	<b>3(1,4)</b>	<b>PUP 4503</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>RAT 3241</b>	<b>HPA-HP</b>	<b>3(3,0)</b>
<b>Advanced Psychological Measurement:</b> PR: or CR: PSY 3302. Application of the theory underlying psychological test and measurement procedures, including reliability, validity, and item analysis. <i>Occasional.</i>			<b>Government and Science:</b> PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. <i>Occasional.</i>			<b>Clinical Radiobiology:</b> Application of the principles and theories of radiobiology to the clinical practice of radiation therapy. <i>Occasional.</i>		
<b>PSY 4604</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>	<b>PUP 4510</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>RAT 3242</b>	<b>HPA-HP</b>	<b>2(2,0)</b>
<b>History and Systems of Psychology:</b> PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. <i>Occasional.</i>			<b>Space Policy:</b> An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. <i>Even Fall.</i>			<b>Oncologic Pathology:</b> PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. <i>Occasional.</i>		
<b>PSY 4604H</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>	<b>PUP 4602</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>RAT 3614</b>	<b>HPA-HP</b>	<b>2(2,0)</b>
<b>Honors History and Systems in Psychology:</b> PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. <i>Occasional.</i>			<b>Politics of Health:</b> PR: C.I. Analysis of public health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. <i>Occasional.</i>			<b>Radiation Therapy Physics I:</b> PR: Acceptance to program. Study of radiation production, properties, interactions, measurement, and protection. <i>Occasional.</i>		
<b>PSY 5605</b>	<b>COS-PSYCH</b>	<b>3(3,0)</b>	<b>PUP 4744</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>RAT 4247</b>	<b>HPA-HP</b>	<b>3(3,0)</b>
<b>History and Systems of Psychology:</b> PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. <i>Odd Fall.</i>			<b>Government and Business:</b> PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. <i>Occasional.</i>			<b>Radiation Oncology I:</b> Methods of radiation therapy treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. <i>Occasional.</i>		
<b>PUP 3014</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUP 4931</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>RAT 4248</b>	<b>HPA-HP</b>	<b>3(3,0)</b>
<b>Comparative Public Policy:</b> PR: POS 2041 or CPO 3103 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. <i>Occasional.</i>			<b>Topics in Public Policy:</b> Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. <i>Occasional.</i>			<b>Radiation Oncology II:</b> Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lymphoreticular system. <i>Occasional.</i>		
<b>PUP 3203</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 3004</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>RAT 4618C</b>	<b>HPA-HP</b>	<b>4(3,3)</b>
<b>Environmental Politics:</b> PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. <i>Odd Fall.</i>			<b>Public Relations and Society:</b> PR: SPC 1608 or COM 1000 or C.I. The important role public relations has played in the development of contemporary society. <i>Occasional.</i>			<b>Radiation Therapy Physics II:</b> PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. <i>Occasional.</i>		
<b>PUP 3314</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 3100</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>RAT 4619C</b>	<b>HPA-HP</b>	<b>4(3,3)</b>
<b>Minorities in American Politics:</b> Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. <i>Occasional.</i>			<b>Writing for Public Relations:</b> PR: Ad-PR Majors only. Development of skills in writing for public relations. <i>Fall, Spring.</i>			<b>Radiation Therapy Physics III:</b> PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. <i>Occasional.</i>		
<b>PUP 3325</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 4000</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>RAT 4804L</b>	<b>HPA-HP</b>	<b>5(0,20)</b>
<b>Women and Political Behavior:</b> PR: POS 2041 or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. <i>Odd Fall.</i>			<b>Public Relations:</b> PR: SPC 1608, or SPC 1603, or COM 1000. Principles and practice of Public Relations including techniques, research tools publicity, and management. <i>Fall, Spring.</i>			<b>Clinical Education I:</b> PR: RTE 3000, RTE 3111C, RTE 3528, RTE 3614, RTE 3804L, RTE 3457C, RTE 3549, or C.I. Supervised clinical practice in patient care and orientation to radiation therapy simulation, and treatment planning and delivery procedures. <i>Occasional.</i>		
<b>PUP 3508</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 4000H</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>RAT 4814L</b>	<b>HPA-HP</b>	<b>6(0,24)</b>
<b>Space Studies:</b> PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. <i>Occasional.</i>			<b>Honors Public Relations:</b> PR: SPC 1608 or COM 1000. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management. <i>Occasional.</i>			<b>Clinical Education II:</b> PR: RAT 4804L. Supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. <i>Occasional.</i>		
<b>PUP 4003</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 4110C</b>	<b>COS-COMM</b>	<b>3(1,3)</b>	<b>RAT 4824L</b>	<b>HPA-HP</b>	<b>6(0,24)</b>
<b>American Public Policy:</b> PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. <i>Occasional.</i>			<b>Public Relations Publications:</b> PR: ENC 2210 or PUR 3100 or JOU 2100C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. <i>Fall, Spring.</i>			<b>Clinical Education III:</b> PR: RAT 4814L. Continued supervised clinical practice in patient care, education, simulation, treatment planning and delivery and utilization of treatment units. <i>Occasional.</i>		
<b>PUP 4204</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 4203</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>RED 3012</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>
<b>Sustainability:</b> PR: POS 2041 or C.I. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. <i>Odd Fall.</i>			<b>PR/Advertising Ethics and Law:</b> PR: Ad-PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. <i>Occasional.</i>			<b>Basic Foundations of Reading:</b> PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. <i>Fall, Spring.</i>		
<b>PUP 4204</b>	<b>COS-POLS</b>	<b>3(3,0)</b>	<b>PUR 4400</b>	<b>COS-COMM</b>	<b>3(3,0)</b>			
<b>Sustainability:</b> PR: POS 2041 or C.I. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. <i>Odd Fall.</i>			<b>Crisis Communication:</b> PR: SPC 1608 or COM 1000. The theory, process, and best practices of crisis communication. <i>Occasional.</i>					



## UCF Courses and Descriptions

<b>RED 3310</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>Early Reading, Writing and Language Arts:</b> PR: Admission to the Early Childhood Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade; methods for implementing integrated language arts curriculum; guiding developmental early childhood language experiences. <i>Occasional.</i>
<b>RED 4043</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Content Reading in Kindergarten through Grade 12:</b> PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promising practices. <i>Fall, Spring.</i>
<b>RED 4311</b>	<b>ED-CFCS</b>	<b>3(3,0)</b>	<b>Primary Reading, Writing, and Language Arts Curriculum and Assessment:</b> PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. <i>Fall.</i>
<b>RED 4519</b>	<b>ED-TL&amp;L</b>	<b>3(3,1)</b>	<b>Diagnostic and Corrective Reading Strategies:</b> PR: RED 3012. An investigation of the needs of individual learners in reading instruction. Organization and techniques for promoting optimum reading growth. Concurrent school experiences required. <i>Fall, Spring.</i>
<b>RED 4942</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Practicum for Assessment and Instruction of Reading:</b> PR: RED 4519. 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. <i>Fall, Spring.</i>
<b>RED 5147</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Developmental Reading:</b> PR: EDG 4323. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. <i>Fall, Spring.</i>
<b>RED 5517</b>	<b>ED-TL&amp;L</b>	<b>3(3,1)</b>	<b>Classroom Diagnosis and Development of Reading Proficiencies:</b> PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading; instructional materials. Case study required. <i>Even Fall, Spring.</i>
<b>RED 5948</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Practicum in Reading Assessment and Instruction:</b> PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. <i>Fall, Spring.</i>
<b>REE 3043</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Fundamentals of Real Estate:</b> PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. <i>Fall, Spring.</i>
<b>REE 3433</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Real Estate Law:</b> PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. <i>Fall, Spring.</i>
<b>REE 3614</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Environmental Issues for Real Estate:</b> PR: REE 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. <i>Occasional.</i>
<b>REE 4103</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Real Estate Appraisal and Valuation:</b> PR: FIN 3403C. Focus on the fundamentals of real estate valuation utilizing tools of financial and economic analysis. <i>Occasional.</i>
<b>REE 4203</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Commercial Real Estate Finance:</b> PR: FIN 3403C; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. <i>Occasional.</i>
<b>REE 4204</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Residential Real Estate Finance:</b> PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. <i>Fall, Spring.</i>
<b>REE 4303</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Real Estate Investment Analysis:</b> PR: FIN 3403C. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. <i>Fall, Spring.</i>
<b>REE 4732</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Real Estate Development:</b> PR: FIN 3403C. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. <i>Fall.</i>
<b>REE 4933</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Advanced Topics in Real Estate:</b> PR: REE 3043 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. <i>Occasional.</i>
<b>REL 2000</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Introduction to Religious Studies:</b> Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion?. <i>Fall.</i>
<b>REL 2300</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>World Religions:</b> Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. <i>Fall, Spring.</i>
<b>REL 2300H</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Honors World Religions:</b> PR: Permission of Honors. Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Honors-level content. <i>Occasional.</i>
<b>REL 3111</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Religion and Philosophy Through Film:</b> PR: ENC 1102 and either PHI 2010 or REL 2300 or FIL 1000. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. <i>Occasional.</i>
<b>REL 3115</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Religion, Spirituality, and Popular Music:</b> PR: HUM 2230 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. <i>Odd Fall.</i>
<b>REL 3131</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Religion in America:</b> PR: REL 2300. Religious traditions in America, their relationship to politics, popular culture, media, and society. <i>Even Spring.</i>
<b>REL 3340</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Buddhist Thought:</b> PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. <i>Odd Fall, Spring.</i>
<b>REL 3432</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Roots of Western Mysticism:</b> PR: HUM 3431, HUM 3435, HUM 3552, HUM 3553, HUM 4303, HUM 4554, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. <i>Even Fall, Odd Spring.</i>
<b>REL 4110</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Religion and the Arts:</b> PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. <i>Occasional.</i>
<b>REL 4180</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Religion and Medicine:</b> PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. <i>Occasional.</i>
<b>REL 4180H</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Honors Religion and Medicine:</b> PR: ENC 1102H, Junior standing and Consent of Honors. A comparative study of the approaches toward medicine and healing in different religious traditions in the U.S. and in the wider world. With Honors content. <i>Occasional.</i>
<b>REL 4901</b>	<b>CAH-PHIL</b>	<b>1(1,0)</b>	<b>Portfolio:</b> PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student's best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. <i>Occasional.</i>
<b>REL 4910</b>	<b>CAH-PHIL</b>	<b>3(3,0)</b>	<b>Senior Research Seminar:</b> PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. <i>Occasional.</i>
<b>RET 3026C</b>	<b>HPA-HP</b>	<b>4(3,3)</b>	<b>Introduction to Respiratory Care.:</b> 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. <i>Fall.</i>
<b>RET 3269C</b>	<b>HPA-HP</b>	<b>4(3,3)</b>	<b>Mechanical Ventilation:</b> PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. <i>Occasional.</i>
<b>RET 3493C</b>	<b>HPA-HP</b>	<b>3(2,3)</b>	<b>Respiratory Clinical Assessment:</b> PR: RET 3026C or C.I. Demonstration of physical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. <i>Spring.</i>
<b>RET 3494C</b>	<b>HPA-HP</b>	<b>4(3,3)</b>	<b>Cardiopulmonary Physiology:</b> PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. <i>Fall.</i>
<b>RET 3717C</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Pediatric Respiratory Care:</b> PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. <i>Spring.</i>
<b>RET 3884L</b>	<b>HPA-HP</b>	<b>5(0,16)</b>	<b>Clinical Practice I:</b> PR: C.I. Basic equipment and patient care. IPPB therapy. Cleaning sterilization and maintenance procedures. Suction techniques. <i>Occasional.</i>
<b>RET 3885L</b>	<b>HPA-HP</b>	<b>8(0,24)</b>	<b>Clinical Practice II:</b> PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. <i>Fall.</i>
<b>RET 4034</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Problems in Patient Management:</b> PR: RET 3494C. Problem-oriented approach to the treatment of chronic and acute respiratory disorders. Computer-based clinical simulations are utilized. Emphasis on patient centered care planning. <i>Fall.</i>
<b>RET 4246</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Life Support Systems:</b> PR: RET 3026C. Lecture-laboratory, measures supporting critically ill patients; intubation, airway maintenance, arterial and venous lines, post-operative care. Cardiac output determination, electrocardiography, intra-aortic balloon pumping covered. <i>Spring.</i>
<b>RET 4287</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Cardiopulmonary Diagnostics I:</b> PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. <i>Fall.</i>
<b>RET 4288</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Cardiopulmonary Diagnostics II:</b> PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. <i>Spring.</i>



## UCF Courses and Descriptions

<b>RET 4441</b>	<b>HPA-HP</b>	<b>4(3,3)</b>	<b>Vascular Ultrasound:</b> Study of application of ultrasound in the diagnosis of vascular diseases. Includes doppler and color flow doppler examination of arterial and venous systems. <i>Occasional.</i>
<b>RET 4443</b>	<b>HPA-HP</b>	<b>4(3,3)</b>	<b>Advanced Cardiac Ultrasound:</b> PR: RET 4287 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional doppler, and color doppler covered. <i>Occasional.</i>
<b>RET 4465C</b>	<b>HPA-HP</b>	<b>4(3,3)</b>	<b>Pulmonary Function Studies:</b> PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. <i>Occasional.</i>
<b>RET 4505</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Chest Medicine:</b> PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. <i>Spring.</i>
<b>RET 4536</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Cardiopulmonary Rehabilitation:</b> PR: RET 3026C & RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. <i>Spring.</i>
<b>RET 4715</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Neonatal Medicine:</b> PR: RET 3714C or C.I. Fetal development, prenatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. <i>Fall.</i>
<b>RET 4886L</b>	<b>HPA-HP</b>	<b>8(0,24)</b>	<b>Clinical Practice III:</b> PR: RET 3885. Care of patients with more complex diseases. Pulmonary function studies. Pediatric and neonatal critical care. Echo and cardiac catheterization. Emergency and trauma. <i>Spring.</i>
<b>RET 4934</b>	<b>HPA-HP</b>	<b>2(2,0)</b>	<b>Selected Topics in Respiratory Therapy:</b> PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. <i>Spring.</i>
<b>RET 5910</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Research Methods in Cardiopulmonary Physiology:</b> Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. <i>Occasional.</i>
<b>RMI 3011</b>	<b>BA-FIN</b>	<b>3(3,0)</b>	<b>Principles of Risk and Insurance:</b> PR: FIN 3403C. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. <i>Spring.</i>
<b>RTE 3000</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Introduction to Radiologic Sciences:</b> PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. <i>Fall.</i>
<b>RTE 3111C</b>	<b>HPA-HP</b>	<b>2(1.5,1.5)</b>	<b>Introduction to Patient Care:</b> PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiography. <i>Fall.</i>
<b>RTE 3116</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Advanced Patient Care:</b> PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. <i>Spring.</i>
<b>RTE 3308</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Medical Physics:</b> PR: RTE 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. <i>Occasional.</i>
<b>RTE 3418C</b>	<b>HPA-HP</b>	<b>3(2.5,1.5)</b>	<b>Principles of Radiographic Exposure I:</b> An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. <i>Fall.</i>
<b>RTE 3457C</b>	<b>HPA-HP</b>	<b>3(2.5,1.5)</b>	<b>Principles of Radiographic Exposure II:</b> PR: RTE 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. <i>Spring.</i>
<b>RTE 3503C</b>	<b>HPA-HP</b>	<b>3(2,3)</b>	<b>Radiographic Procedures I:</b> PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. <i>Fall.</i>
<b>RTE 3513C</b>	<b>HPA-HP</b>	<b>3(2,3)</b>	<b>Radiographic Procedures II:</b> PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. <i>Spring.</i>
<b>RTE 3614</b>	<b>HPA-HP</b>	<b>2(2,0)</b>	<b>Physics of Image Production:</b> PR: College Physics II. Physics of diagnostic radiology, including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. <i>Fall.</i>
<b>RTE 3804L</b>	<b>HPA-HP</b>	<b>2(0,8)</b>	<b>Clinical Education I:</b> PR: Admission to Radiologic Sciences Major. Supervised clinical practice in radiologic procedures, radiation protection, patient care and equipment with emphasis on chest and abdomen procedures and patient care activities. <i>Fall.</i>
<b>RTE 3814L</b>	<b>HPA-HP</b>	<b>4(0,16)</b>	<b>Clinical Education II:</b> PR: RTE 3804L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the GI tract, urinary tract, extremities and shoulder girdle. <i>Spring.</i>
<b>RTE 4202</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Methods in Radiology Management:</b> Concepts of radiology, department management, including principles, personnel management, evaluation and improvement techniques, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. <i>Occasional.</i>
<b>RTE 4206</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Leadership in Radiological Sciences:</b> PR: Senior level status in RS major or C.I. Study of the theories, principles and skills needed to function in a leadership position in Radiologic Sciences. <i>Spring.</i>
<b>RTE 4209</b>	<b>HPA-HP</b>	<b>2(0,8)</b>	<b>Radiological Administrative Practice:</b> A directed practice in the management of a radiology department, with application of theory and methodology. <i>Occasional.</i>
<b>RTE 4385</b>	<b>HPA-HP</b>	<b>1(1,0)</b>	<b>Radiobiology:</b> PR: RTE 3308. A study of the effects of ionizing radiation on biologic systems. The responses at the cellular and total organism level are investigated. <i>Fall.</i>
<b>RTE 4473</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Quality Improvement:</b> PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. <i>Spring.</i>
<b>RTE 4563</b>	<b>HPA-HP</b>	<b>2(2,0)</b>	<b>Special Radiographic Procedures:</b> PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. <i>Occasional.</i>
<b>RTE 4573</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Advanced Imaging Modalities:</b> PR: RTE 3563 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. <i>Fall.</i>
<b>RTE 4574</b>	<b>HPA-HP</b>	<b>1(1,0)</b>	<b>Computed Tomography Protocols:</b> PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. <i>Fall.</i>
<b>RTE 4579</b>	<b>HPA-HP</b>	<b>1(1,0)</b>	<b>Magnetic Resonance Imaging Protocols:</b> PR: Senior Level status in Radiologic Sciences Program. Provides overview of imaging protocols used for specific MRI procedures. Content includes patient screening, safety procedures, patient positioning, coil and accessory device selection and use. <i>Fall.</i>
<b>RTE 4762</b>	<b>HPA-HP</b>	<b>3(3,0)</b>	<b>Anatomy for the Medical Imager:</b> PR: ZOO 3733C and PCB 3703C. A study of the normal anatomical structures and interrelationships of structures as demonstrated in a radiographic and cross-sectional imaging reference. <i>Fall, Spring.</i>
<b>RTE 4782</b>	<b>HPA-HP</b>	<b>2(2,0)</b>	<b>Pathophysiology:</b> PR: C.I. The study of radiologic science in the diagnosis and treatment of disease. <i>Spring.</i>
<b>RTE 4824L</b>	<b>HPA-HP</b>	<b>5(0,20)</b>	<b>Clinical Education III:</b> PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. <i>Occasional.</i>
<b>RTE 4834L</b>	<b>HPA-HP</b>	<b>6(0,24)</b>	<b>Clinical Education IV:</b> PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, mobile radiography and rotations through specialized imaging. <i>Fall.</i>
<b>RTE 4844L</b>	<b>HPA-HP</b>	<b>2(0,8)</b>	<b>Clinical Education V-A:</b> PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. <i>Spring.</i>
<b>RTE 4846L</b>	<b>HPA-HP</b>	<b>4(0,16)</b>	<b>Clinical Education V-B:</b> PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranium, facial bones, sinuses and special procedures. <i>Spring.</i>
<b>RTE 4854L</b>	<b>HPA-HP</b>	<b>4(0,16)</b>	<b>Advanced Clinical Practicum:</b> PR: RTE 4834L or RTE 4846L or Admission to AS to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, trauma or pediatrics. <i>Fall, Spring.</i>
<b>RTE 4903</b>	<b>HPA-HP</b>	<b>2(0,8)</b>	<b>Directed Study in Radiologic Education:</b> PR: ECT 3371 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology. <i>Occasional.</i>
<b>RTV 2102</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Writing for the Electronic Media:</b> PR: ENC 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. <i>Odd Fall, Even Spring.</i>
<b>RTV 3007</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Development and Structure of Electronic Media and New Technology:</b> PR: SPC 1608 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. <i>Fall, Spring.</i>
<b>RTV 3101</b>	<b>COS-COMM</b>	<b>3(1,2)</b>	<b>Broadcast Copywriting:</b> PR: RTV Majors only, Grammar Proficiency Examination and School Typing Exam. Preparation of written public service and commercial copy for radio and television. <i>Occasional.</i>
<b>RTV 3200</b>	<b>COS-COMM</b>	<b>3(3,0)</b>	<b>Production Fundamentals and Aesthetics of Electronic Media:</b> PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. <i>Fall, Odd Spring.</i>
<b>RTV 3210C</b>	<b>COS-COMM</b>	<b>3(2,1)</b>	<b>Audio Production I:</b> PR: RTV 3200 and RTV Major-Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. <i>Fall, Spring.</i> M&S fee \$30.00



## UCF Courses and Descriptions

- RTV 3223C COS-COMM 3(2,1)**  
**Lighting for Video:** PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. *Odd Fall, Spring.* M&S fee \$30.00
- RTV 3228C COS-COMM 4(3,1)**  
**Studio Television Production:** PR: RTV 3200 and RTV major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. *Odd Fall, Even Spring.* M&S fee \$30.00
- RTV 3234C COS-COMM 3(2,1)**  
**Broadcast Announcing and Performance:** PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, performance in scenes and commercials. Expect extensive studio work in the RTV facility outside the class. *Occasional.* M&S fee \$15.00
- RTV 3260C COS-COMM 4(3,1)**  
**Single Camera Video Production and Editing:** PR: RTV 3200 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 \$30.00
- RTV 3263C COS-COMM 3(2,1)**  
**Advanced Video Post-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
- RTV 3283C COS-COMM 3(2,1)**  
**Production of Interactive Multimedia:** PR: CGS 1060C; major status in R-TV, Ad-PR, Journalism, 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. *Odd Fall.* M&S fee \$15.00
- RTV 3301 COS-COMM 3(3,0)**  
**Electronic Journalism I:** PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. *Fall, Spring.*
- RTV 3304 COS-COMM 3(3,0)**  
**Electronic Journalism II:** PR: RTV 3301, RTV 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.*
- RTV 3942L COS-COMM 1-3(0,3-9)**  
**Practicum:** PR: C.I., RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. *Occasional.*
- RTV 4206C COS-COMM 3(2,1)**  
**Television Directing:** PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. *Fall, Even Spring.* M&S fee \$30.00
- RTV 4211C COS-COMM 3(2,1)**  
**Audio Production II:** PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. *Occasional.* M&S fee \$15.00
- RTV 4271C COS-COMM 3(2,1)**  
**Radio Production and Programming:** PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. *Fall.*
- RTV 4280C COS-COMM 3(2,1)**  
**Webcasting I:** PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. *Occasional.* M&S fee \$15.00
- RTV 4281C COS-COMM 3(2,1)**  
**Webcasting II:** PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. *Occasional.* M&S fee \$15.00
- RTV 4320C COS-COMM 4(1,3)**  
**Television News:** PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. *Fall, Spring.* M&S fee \$15.00
- RTV 4322C COS-COMM 3(2,1)**  
**Advanced TV News:** PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. *Occasional.*
- RTV 4403 COS-COMM 3(3,0)**  
**Electronic Media, Technology, and Society:** PR: or CR: RTV 3007. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. *Fall, Spring.*
- RTV 4503 COS-COMM 3(3,0)**  
**Sports Programming in Electronic Media:** PR: SPC 1608 or COM 1000 or RTV 3007 or C.I. Factors that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. *Occasional.*
- RTV 4505 COS-COMM 3(2,1)**  
**Program Issues for TV & Motion Pictures:** PR: RTV 3007 or FIL 2030 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. *Occasional.*
- RTV 4700 COS-COMM 3(3,0)**  
**Regulation of Broadcasting:** PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. *Fall.*
- RTV 4800 COS-COMM 3(3,0)**  
**Broadcast Management:** PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in station operations at local, regional, and national levels. *Odd Spring.*
- RUS 1120 CAH-LANG 4(4,1)**  
**Elementary Russian Language and Civilization I:** Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. *Occasional.*
- RUS 1121 CAH-LANG 4(4,1)**  
**Elementary Russian Language and Civilization II:** PR: RUS 1120 or equivalent. Continuation of RUS 1120. *Occasional.*
- RUS 2200 CAH-LANG 3(3,1)**  
**Intermediate Russian Language and Civilization I:** PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Occasional.*
- RUS 2201 CAH-LANG 3(3,1)**  
**Intermediate Russian Language and Civilization II:** PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. *Occasional.*
- RUS 2210 CAH-LANG 3(3,0)**  
**Intensive Russian Conversation:** PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. *Occasional.*
- RUS 3240 CAH-LANG 3(3,0)**  
**Russian Conversation:** PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. *Occasional.*
- RUS 3760 CAH-LANG 3(3,0)**  
**Advanced Russian Oral Communication:** PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. *Occasional.*
- SCC 3311 HPA-CJ 3(3,0)**  
**Security Administration:** Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. *Occasional.*
- SCC 3314 HPA-CJ 3(3,0)**  
**Physical Security:** PR: C.J. major or minor or C.I./CCJ 3024. Concepts and procedures for the development, implementation, and management of a physical security program and its application to assets protection. *Occasional.*
- SCC 3316 HPA-CJ 3(3,0)**  
**Special Security Problems:** Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. *Occasional.*
- SCE 3310 ED-TL&L 3(3,0)**  
**Teaching Science in Elementary School:** PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. *Fall, Spring.* M&S fee \$10.00
- SCE 4304 ED-CFCS 3(3,0)**  
**Teaching Science and Technology to Young Children:** Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. *Fall.*
- SCE 4360 ED-TL&L 4(3,2)**  
**Science Instructional Analysis:** PR: EDG 4323 or C.I. Course objectives for a school curriculum and methods and materials for the middle 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 school science education majors. *Spring.*
- SCE 5325 ED-TL&L 3(3,0)**  
**Teaching Middle School Science:** PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. *Occasional.*
- SCE 5337 ED-TL&L 3(3,0)**  
**Issues and Methods in Secondary School Science:** PR: EDG 6236 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. *Fall, Spring.*
- SCE 5836 ED-TL&L 3(3,0)**  
**Space and Physical Science for Educators:** PR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. *Occasional.*



## UCF Courses and Descriptions

<b>SLS 1501</b> ED-TL&L 3(3,0) <b>Strategies for Success in College:</b> 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. <i>Fall, Spring.</i>	<b>SOW 3203</b> HPA-SOWK 3(3,0) <b>Social Work &amp; Community Resources:</b> PR: Jr. Standing or CI, open to non-majors. Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. <i>Fall.</i>	<b>SOW 4645</b> HPA-SOWK 3(3,0) <b>Social Services for the Elderly:</b> PR: SOW 3300, SSOW 3104, or Gerontology Certificate Major or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. <i>Fall.</i>
<b>SLS 2261C</b> ED-TL&L 2(2,1) <b>Student Organization Leadership:</b> Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. <i>Occasional.</i>	<b>SOW 3300</b> HPA-SOWK 3(2,1) <b>Practice I: Generalist Practice in Social Work:</b> PR: Admin. to Social Work Program. Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. <i>Fall.</i>	<b>SOW 4650</b> HPA-SOWK 3(3,0) <b>Child Abuse: Treatment and Prevention:</b> 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. <i>Spring.</i>
<b>SLS 2311C</b> COM-M&M 2(2,1) <b>Overview of Select Medical Careers:</b> An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. <i>Spring.</i>	<b>SOW 3352</b> HPA-SOWK 3(1,2) <b>Practice II: Interpersonal Skills in Social Work:</b> PR: SOW 3300. PR or CR: SOW 3300. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. <i>Spring.</i>	<b>SOW 4654</b> HPA-SOWK 3(3,0) <b>Children's Services:</b> 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. <i>Fall, Spring.</i>
<b>SLS 2715</b> ED-TL&L 2(2,0) <b>Peer Educator Leadership:</b> PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. <i>Fall, Spring.</i>	<b>SOW 3401</b> HPA-SOWK 3(3,0) <b>Social Work Research:</b> 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. <i>Spring.</i>	<b>SOW 4673</b> HPA-SOWK 3(3,0) <b>Social Work Practice: The Gay and Lesbian Experience:</b> PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay and lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. <i>Even Spring.</i>
<b>SOP 2772</b> COS-PSYCH 3(3,0) <b>Sexual Behavior:</b> PR: PSY 2012. Physiological, social, and clinical aspects of human sexuality. <i>Fall.</i>	<b>SOW 3620</b> HPA-SOWK 3(3,0) <b>Social Work with Diverse Populations:</b> PR: SOW 3203 and SOW 3104; PR or CR: SOW 3300. Social work intervention and skill development needed to serve oppressed groups. <i>Spring.</i>	<b>SOW 4705</b> HPA-SOWK 3(3,0) <b>Prevention and Treatment of Adolescent Substance Abuse:</b> PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. <i>Even Fall, Spring.</i>
<b>SOP 3004C</b> COS-PSYCH 3(3,2) <b>Social Psychology:</b> PR: PSY 2012. Effects of social situations and social variables on the behavior of individuals. <i>Fall, Spring.</i>	<b>SOW 3740</b> HPA-SOWK 3(3,0) <b>Social Work Practice with Loss &amp; Life's Transitions:</b> PR: General Education completed and SOW 3104. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. <i>Fall.</i>	<b>SOW 4706</b> HPA-SOWK 3(3,0) <b>Intervention with Substance Abusers:</b> PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. <i>Fall, Even Spring.</i>
<b>SOP 3723</b> COS-PSYCH 3(3,0) <b>Cross Cultural Psychology:</b> PR: PSY 2012. Exploration of theories, issues, and research concerned with the psychological understanding of under-represented minority groups. <i>Odd Spring.</i>	<b>SOW 4232</b> HPA-SOWK 3(3,0) <b>Social Welfare Policies and Issues:</b> PR: SOW 3203 or equivalent. Development of skills needed to critically analyze social welfare goals, structures, and practices. Proposes improvements in societal resource systems. <i>Fall.</i>	<b>SOW 4730</b> HPA-SOWK 3(3,0) <b>Documentation in Social Work Practice:</b> PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. <i>Fall.</i>
<b>SOP 3724</b> COS-PSYCH 3(3,0) <b>Psychology of Prejudice:</b> PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. <i>Even Spring.</i>	<b>SOW 4341</b> HPA-SOWK 3(1,2) <b>Micro-Level Roles and Interventions in Social Work:</b> 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. <i>Fall.</i>	<b>SOW 4754</b> HPA-SOWK 3(3,0) <b>Forensic Social Work Theory and Practice:</b> PR: SOW 3203 or C.I. The role of social workers within the courts and criminal justice system. <i>Occasional.</i>
<b>SOP 3742</b> COS-PSYCH 3(3,0) <b>Psychology of Women:</b> 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. <i>Fall, Spring.</i>	<b>SOW 4343</b> HPA-SOWK 3(1,2) <b>Macro-Level Roles and Interventions in Social Work:</b> 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. <i>Fall.</i>	<b>SOW 5105</b> HPA-SOWK 3(3,0) <b>Human Behavior and Social Environment I: Individual:</b> 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. <i>Fall.</i>
<b>SOP 3751</b> COS-PSYCH 3(3,0) <b>Legal Aspects of Psychology:</b> PR: PSY 2012 or SYG 2000; PPE 3003C or C.I. Ethical and legal dilemmas and issues in the practice of psychology. <i>Fall.</i>	<b>SOW 4431</b> HPA-SOWK 3(2,1) <b>Evaluating Social Work Practice and Service Programs:</b> PR: SOW 3401, SOW 3300. The study of systematic data collection and of measurement of change in individuals, families, groups, programs, and communities. <i>Occasional.</i>	<b>SOW 5106</b> HPA-SOWK 3(3,0) <b>Human Behavior and Social Environment II: Social Systems:</b> Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. <i>Spring.</i>
<b>SOP 3784</b> COS-PSYCH 3(3,0) <b>Psychology of Diversity:</b> 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. <i>Occasional.</i>	<b>SOW 4510</b> HPA-SOWK 9(0,28) <b>Field Education:</b> PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. <i>Spring.</i>	<b>SOW 5132</b> HPA-SOWK 3(3,0) <b>Diverse Client Populations:</b> Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. <i>Spring.</i>
<b>SOP 5059</b> COS-PSYCH 3(3,0) <b>Advanced Social Psychology:</b> 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. <i>Occasional.</i>	<b>SOW 4522</b> HPA-SOWK 3(2,1) <b>Field Education Seminar:</b> PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. <i>Spring.</i>	<b>SOW 5235</b> HPA-SOWK 3(3,0) <b>Social Welfare Policies and Services:</b> Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services. <i>Fall.</i>
<b>SOW 2020</b> HPA-SOWK 3(3,0) <b>Careers in Creating Social Change:</b> Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. <i>Fall.</i>	<b>SOW 4602</b> HPA-SOWK 3(3,0) <b>Social Work in Health Settings:</b> PR: SOW 3300 and SOW 3104 or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. <i>Fall.</i>	<b>SOW 5305</b> HPA-SOWK 3(3,0) <b>Social Work Practice I: Generalist Practice:</b> Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. <i>Fall.</i>
<b>SOW 3104</b> HPA-SOWK 3(3,0) <b>Assessing I: Human Development:</b> Skill development in assessing "person-in-environment" throughout life cycle. Study interaction of bio-psychosocial, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. <i>Fall.</i>	<b>SOW 5306</b> HPA-SOWK 3(3,0) <b>Social Work Practice II: Intervention Approaches:</b> Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. <i>Spring.</i>	<b>SOW 5355</b> HPA-SOWK 3(3,0) <b>Studies in Social Work Practice:</b> PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. <i>Occasional.</i>
<b>SOW 3111</b> HPA-SOWK 3(3,0) <b>Assessing II: Human Systems:</b> PR: SOW 3104. Development of skills in assessing families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. <i>Spring.</i>		

## UCF Courses and Descriptions

- 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. Seminar 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 integrative seminar 1 to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. *Spring.*
- SOW 5565 HPA-SOWK 2(2,0)**  
**Part-Time MSW Generalist Field Education and Seminar I:** PR: SOW 5305; CR: SOW 5306. Field education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. *Occasional.*
- SOW 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 180 clock hours. Graded S/U. *Occasional.*
- SOW 5567 HPA-SOWK 2(2,0)**  
**Part-Time MSW Generalist Field Education and Seminar III:** PR: SOW 5566. 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 Situations:** PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. *Occasional.*
- SOW 5662 HPA-SOWK 3(3,0)**  
**Strategies in Employee Assistance Programs:** Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. *Occasional.*
- SPA 3002 HPA-COM SC&DIS 3(3,0)**  
**Introduction to Communication Disorders:** PR: PSY 2012 or SYG 2000. Etiology, symptoms, and methods of diagnosing and treating communication disorders. For beginning and prospective majors in Communication Sciences and Disorders. *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 3011L HPA-COM SC&DIS 1(0,1)**  
**Speech Production lab:** PR: SPA 3112. CR: SPA 3011. Physiological and acoustic measurement of speech production Graded S/U. *Fall, Spring.*
- SPA 3101 HPA-COM SC&DIS 3(3,0)**  
**Physiological Bases of Speech and Hearing:** PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. *Fall, Spring.*
- SPA 3104 HPA-COM SC&DIS 3(3,0)**  
**Neural Bases of Communication:** PR: or CR: SPA 3471. Structures and functions of the nervous system involved in communication and its disorders. *Fall, Spring.*
- SPA 3112 HPA-COM SC&DIS 3(3,0)**  
**Basic Phonetics:** CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. *Fall, Spring.*
- SPA 3112L HPA-COM SC&DIS 1(0,1)**  
**Basic Phonetics Lab:** CR: SPA 3112. Practice in the transcription of normal and deviant speech samples. Graded S/U. *Fall, Spring.*
- SPA 3123 HPA-COM SC&DIS 3(3,0)**  
**Speech Science II: Perception:** PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. *Fall, Spring.*
- SPA 3123L HPA-COM SC&DIS 1(0,1)**  
**Speech Perception Lab:** CR: SPA 3123. Laboratory techniques used in investigating human speech perception. Graded S/U. *Fall, Spring.*
- SPA 3412 HPA-COM SC&DIS 3(3,0)**  
**Brain Stories: A Communication Disorders Perspective:** PR: SPA 3471 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicative-cognitive disorders due to brain injury. *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 in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. *Fall, Spring.*
- SPA 3472 HPA-COM SC&DIS 3(3,0)**  
**Guidance of Young Children with Communication Disorders:** PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. *Fall, Spring.*
- SPA 3632 HPA-COM SC&DIS 3(3,0)**  
**Communication Disorders in the Deaf and Hard of Hearing Population:** PR: ASL 2510 or C.I. Speech, language, and hearing problems in the D/HH population, including etiology, pathology, and management of hearing disorders. *Occasional.*
- SPA 4032 HPA-COM SC&DIS 3(3,0)**  
**Audiology:** PR: SPA 3101. Physics of sound, anatomy of hearing mechanism, pure tone audiometry, hearing aids, problems of the deaf and hard of hearing. Clinical skills development required. *Fall, Spring.*
- SPA 4201 HPA-COM SC&DIS 3(3,0)**  
**Articulation And Phonological Disorders:** PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. *Occasional.* M&S fee \$15.00
- SPA 4241 HPA-COM SC&DIS 3(3,0)**  
**Genetic Aspects of Communication Disorders:** PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. *Spring.*
- SPA 4321 HPA-COM SC&DIS 3(3,0)**  
**Audiologic Rehabilitation:** PR: SPA 3011, SPA 3123, and SPA 4032. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. *Fall, Spring.*
- SPA 4400 HPA-COM SC&DIS 3(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 3471, SPA 3101, and SPA 3112. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. *Fall, Spring.*
- SPA 4478 HPA-COM SC&DIS 3(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. *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: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. *Occasional.*
- SPA 4634 HPA-COM SC&DIS 3(3,0)**  
**Educational Implications of Deafness:** PR: ASL 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 CS&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. *Fall, Spring.*

## UCF Courses and Descriptions

<b>SPA 4948</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(0,3)</b>	<b>SPA 4948</b>	<b>HPA-COM SC&amp;DIS</b>	<b>3(0,3)</b>	<b>SPB 4804</b>	<b>BA-BUS</b>	<b>3(3,0)</b>	<b>SPC 4540</b>	<b>COS-COMM</b>	<b>3(3,0)</b>
<b>Community Internship:</b> 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. <i>Fall, Spring.</i>			<b>SPB 4804</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPA 5473</b>			<b>HPA-COM SC&amp;DIS</b>			<b>3(3,0)</b>			<b>Attitudes and Communication:</b> 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. <i>Fall, Spring.</i>		
<b>Multicultural Aspects of Communication Differences and Disorders:</b> 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. <i>Occasional.</i>			<b>SPB 4804</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPA 5554</b>			<b>HPA-COM SC&amp;DIS</b>			<b>3(3,0)</b>			<b>SPM 3130</b>		
<b>Counseling in Communicative Disorders:</b> PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. <i>Spring.</i>			<b>SPB 4804</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPA 5564</b>			<b>HPA-COM SC&amp;DIS</b>			<b>3(3,0)</b>			<b>Aquatic Management:</b> PR: Admission to B.S. in Sports and Fitness program or C.I. Requisite knowledge for developing and operating aquatics programs safely and effectively. <i>Fall, Spring.</i>		
<b>Aging and Communication:</b> 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. <i>Occasional.</i>			<b>SPB 4804</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 3003</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>SPM 3204</b>		
<b>Introduction to Sport Business Management:</b> PR: Sophomore Standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. <i>Occasional.</i>			<b>SPB 3003</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 3503</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>Sports and Ethics:</b> PR: Junior standing or C.I. An exploration into ethics and its influence on sports. <i>Fall, Spring.</i>		
<b>Ethics in Sport Business:</b> PR: SPB 3003. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. <i>Occasional.</i>			<b>SPB 3003</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 3603</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>SPM 3415</b>		
<b>Diversity and Social Issues in Sport Business Management:</b> PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. <i>Occasional.</i>			<b>SPB 3603</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 3823</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>Public Relations in Sport and Exercise Science:</b> PR: PET 2084. Examining the role of public relations and media with specific application to sport and exercise science professionals. <i>Fall, Spring.</i>		
<b>The Role of Business Entrepreneurship in Sports/Entertainment:</b> PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. Analyzes business entrepreneurship in sport/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/concepts of business and entrepreneur behavior are applied. <i>Occasional.</i>			<b>SPB 3823</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 4104</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>SPM 3504</b>		
<b>Intercollegiate Sport Industry:</b> PR: SPB 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. <i>Occasional.</i>			<b>SPB 4104</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 4204</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>Fiscal and Facilities: Issues in Sport and Exercise Science:</b> PR: PET 2084. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. <i>Fall, Spring.</i>		
<b>Professional Sport Industry:</b> PR: SPB 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. <i>Occasional.</i>			<b>SPB 4204</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 4304</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>SPM 4723</b>		
<b>Sports Event and Facility Management:</b> PR: SPB 3003, and either FIN 2100 and MAR 3023 or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. <i>Occasional.</i>			<b>SPB 4304</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 4404</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>Legal Issues in Sport and Exercise Science:</b> PR: PET 2084. Examination of the legal issues and problems encountered by sport and exercise science professionals. <i>Fall, Spring.</i>		
<b>Sport Business Law:</b> PR: SPB 3003. The legal framework for sport business management and its applications in professional, collegiate, and Olympic sport. <i>Occasional.</i>			<b>SPB 4404</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPB 4704</b>			<b>BA-BUS</b>			<b>3(3,0)</b>			<b>SPM 5155</b>		
<b>Sport Business Strategy:</b> PR: SPB 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. <i>Occasional.</i>			<b>SPB 4704</b>			<b>BA-BUS</b>			<b>3(3,0)</b>		
<b>SPC 1603</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>Introduction to Sports Administration:</b> PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. <i>Occasional.</i>		
<b>Fundamentals of Technical Presentations:</b> PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. <i>Fall, Spring.</i>			<b>SPC 1603</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 1603H</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPM 5308</b>		
<b>Honors Fundamentals of Technical Presentation:</b> PR: Permission of Honors. Communication theory and its application to preparing and delivering technical information in public speaking situations. With honors-level content. <i>Occasional.</i>			<b>SPC 1603H</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 1608</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>Marketing and Promoting Sports and Fitness Programs:</b> PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. <i>Occasional.</i>		
<b>Fundamentals of Oral Communication:</b> PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. <i>Fall, Spring.</i>			<b>SPC 1608</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 1608H</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPM 5506</b>		
<b>Honors Fundamentals of Oral Communication:</b> PR: Consent of Honors. Communication theory and its application to preparing and delivering public speeches. University Honors program. Same as SPC 1608 with honors-level content. <i>Occasional.</i>			<b>SPC 1608H</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 2942</b>			<b>COS-COMM</b>			<b>1-3(1-3,0)</b>			<b>Financial Issues in Sports and Fitness:</b> PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. <i>Occasional.</i>		
<b>Debate Practicum:</b> Training and participation in inter-collegiate debate. Graded S/U. May be used in the degree program a maximum of 3 times. <i>Occasional.</i>			<b>SPC 2942</b>			<b>COS-COMM</b>			<b>1-3(1-3,0)</b>		
<b>SPC 3301</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPN 1120C</b>		
<b>Interpersonal Communication:</b> PR: or CR: COM 3311, or C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, interactant behavior, situational cues, verbal and non-verbal messages. <i>Fall, Spring.</i>			<b>SPC 3301</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 3425C</b>			<b>COS-COMM</b>			<b>3(2,1)</b>			<b>Elementary Spanish Language and Civilization I:</b> 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. <i>Fall, Spring.</i>		
<b>Group Interaction and Decision-Making:</b> 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. <i>Odd Fall, Spring.</i>			<b>SPC 3425C</b>			<b>COS-COMM</b>			<b>3(2,1)</b>		
<b>SPC 3445</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPN 1120H</b>		
<b>Leadership Through Oral Communication:</b> PR: or CR: COM 3120 and COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. <i>Fall.</i>			<b>SPC 3445</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 3513</b>			<b>COS-COMM</b>			<b>3(1,2)</b>			<b>Honors Elementary Spanish Language and Civilization I:</b> PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. <i>Occasional.</i>		
<b>Argumentation and Debate:</b> PR: SPC 1608 or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. <i>Occasional.</i>			<b>SPC 3513</b>			<b>COS-COMM</b>			<b>3(1,2)</b>		
<b>SPC 3513H</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPN 1121C</b>		
<b>Honors Argumentation and Debate:</b> PR: SPC 1608H, SPC 1603H, COM 1000, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. <i>Occasional.</i>			<b>SPC 3513H</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 3602</b>			<b>COS-COMM</b>			<b>3(1,2)</b>			<b>Elementary Spanish Language and Civilization II:</b> PR: SPN 1120C or equivalent. Continuation of SPN 1120C. <i>Fall, Spring.</i>		
<b>Advanced Public Speaking:</b> PR: SPC 1608C or C.I. Advanced training in selecting and organizing materials for various types of speeches. Practice in thinking and speaking before audiences. <i>Occasional.</i>			<b>SPC 3602</b>			<b>COS-COMM</b>			<b>3(1,2)</b>		
<b>SPC 4331</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPN 1121H</b>		
<b>Nonverbal Communication:</b> PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. <i>Fall, Spring.</i>			<b>SPC 4331</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		
<b>SPC 4426</b>			<b>COS-COMM</b>			<b>3(3,0)</b>			<b>SPN 1150C</b>		
<b>Group Dynamics:</b> PR: or CR: COM 3311, or C.I. Human behavior in group situations. <i>Fall, Even Spring.</i>			<b>SPC 4426</b>			<b>COS-COMM</b>			<b>3(3,0)</b>		



## UCF Courses and Descriptions

- SPN 1170 CAH-LANG 8(16,10)**  
**Elementary Spanish Study Abroad:** Elementary Spanish language and civilization taught in the native environment. *Occasional.*
- SPN 2200 CAH-LANG 3(3,1)**  
**Intermediate Spanish Language and Civilization I:** PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. *Fall, Spring.*
- SPN 2200H CAH-LANG 3(3,1)**  
**Honors Intermediate Spanish:** PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. *Fall.*
- SPN 2201 CAH-LANG 3(3,1)**  
**Intermediate Spanish Language and Civilization II:** PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. *Occasional.*
- SPN 2240 CAH-LANG 3(3,1)**  
**Intensive Spanish Conversation:** PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. *Occasional.*
- SPN 2241 CAH-LANG 3(3,0)**  
**Spanish Conversation:** PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. *Occasional.*
- SPN 2340 CAH-LANG 3(3,0)**  
**Spanish for Native Speakers:** PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. *Occasional.*
- SPN 2341 CAH-LANG 3(3,0)**  
**Advanced Spanish for Native Speakers:** PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. *Occasional.*
- SPN 2511 CAH-LANG 3(3,0)**  
**Modern Spanish Civilization Abroad:** PR: SPN 1120C & SPN 1121C. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. *Occasional.*
- SPN 3140 CAH-LANG 3(3,0)**  
**Business Spanish I:** PR: SPN 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. *Odd Fall.*
- SPN 3141 CAH-LANG 3(3,0)**  
**Business Spanish II:** PR: C.I. Continuation of Business Spanish I. *Even Spring.*
- SPN 3142 CAH-LANG 3(3,0)**  
**Business Spanish III:** PR: C.I. Continuation of Business Spanish II. *Even Fall.*
- SPN 3234 CAH-LANG 3(3,0)**  
**Advanced Directed Readings:** PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. *Fall, Spring.*
- SPN 3300 CAH-LANG 3(3,0)**  
**Advanced Spanish Grammar and Composition:** PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. *Fall, Spring.*
- SPN 3343 CAH-LANG 3(3,0)**  
**Advanced Rhetoric for Native Speakers:** PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. *Occasional.*
- SPN 3344 CAH-LANG 3(3,0)**  
**Advanced Spanish Native Fluency I:** PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. *Fall.*
- SPN 3345 CAH-LANG 3(3,0)**  
**Advanced Spanish Native Fluency II:** PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. *Spring.*
- SPN 3402 CAH-LANG 3(3,0)**  
**Practice in Modern Spanish Grammar:** PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. *Occasional.*
- SPN 3420 CAH-LANG 3(3,0)**  
**Spanish Composition:** PR: SPN 2201 or equivalent. Development of skills in composition. *Fall, Spring.*
- SPN 3512 CAH-LANG 3(3,0)**  
**Contemporary Spanish Culture Abroad:** PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. *Occasional.*
- SPN 3760 CAH-LANG 3(3,0)**  
**Advanced Spanish Oral Communication:** PR: SPN 2201 or SPN 2240 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, Spring.*
- SPN 3850 CAH-LANG 3(3,0)**  
**Structure of the Spanish Language:** PR: SPN 3420. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations. *Occasional.*
- SPN 3852 CAH-LANG 3(3,0)**  
**Bilinguismo:** PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. *Occasional.*
- SPN 3933 CAH-LANG 1(1,0)**  
**Spanish Across the Curriculum:** PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student's major or minor. Open to students in all colleges. May be repeated for credit. *Fall, Spring.*
- SPN 4143 CAH-LANG 3(3,0)**  
**Business Spanish IV:** PR: C.I. Advanced course in business terminology and development of advanced language skills. *Odd Spring.*
- SPN 4410 CAH-LANG 3(3,0)**  
**Advanced Spanish Conversation:** PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. *Fall.*
- SPN 4421 CAH-LANG 3(3,0)**  
**Advanced Spanish Composition:** PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. *Even Spring.*
- SPN 4510 CAH-LANG 3(3,0)**  
**Spanish Civilization and Culture:** PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. *Occasional.*
- SPN 4520 CAH-LANG 3(3,0)**  
**Latin American Civilization and Culture:** PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. *Occasional.*
- SPN 4780 CAH-LANG 3(3,0)**  
**Spanish Phonetics:** PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct punctuation of Spanish through intensive practice and oral drill. *Occasional.*
- SPN 4800 CAH-LANG 3(3,0)**  
**Spanish-American Syntax:** PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. *Occasional.*
- SPN 4801 CAH-LANG 3(3,0)**  
**Spanish Morphosyntax:** PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. *Occasional.*
- SPN 5502 CAH-LANG 3(3,0)**  
**Hispanic Culture of the United States:** PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. *Occasional.*
- SPN 5505 CAH-LANG 3(3,0)**  
**Spanish 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 linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. *Occasional.*
- SPN 5920 CAH-LANG 3(3,0)**  
**AP Spanish Language:** PR: Graduate status or senior standing 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 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. *Odd Fall.*
- SPT 3831 CAH-LANG 3(3,0)**  
**Spanish Legal Translation and Interpretation:** PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. *Even Fall.*



## UCF Courses and Descriptions

<b>SPT 4801</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Spanish Translation Practicum:</b> PR: SPT 3800. Development of translation and interpretation skills in a professional environment. Concentration in legal, medical, and business areas. <i>Occasional.</i>
<b>SPW 3000H</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Honors: Nobel Prize Literature: Spain and Latin America:</b> 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. <i>Occasional.</i>
<b>SPW 3100</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Survey of Spanish Literature I:</b> PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. <i>Fall.</i>
<b>SPW 3101</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Survey of Spanish Literature II:</b> PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. <i>Spring.</i>
<b>SPW 3130</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Survey of Latin-American Literature I:</b> PR: SPW 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the colonial period to Nineteenth Century Romanticism. <i>Fall.</i>
<b>SPW 3131</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Survey of Latin-American Literature II:</b> 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. <i>Spring.</i>
<b>SPW 3320</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Modern Hispanic Theatre Workshop I:</b> PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. <i>Occasional.</i>
<b>SPW 3321</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Modern Hispanic Theatre Workshop II:</b> PR: SPW 3320. Participation in a theatre production of a play in Spanish. Open to majors in Spanish, Theatre and any technical performance. <i>Occasional.</i>
<b>SPW 3370</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Spanish Short Story:</b> PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. <i>Occasional.</i>
<b>SPW 4272</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>20th Century Spanish Novel:</b> PR: SPW 3101 or SPW 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. <i>Occasional.</i>
<b>SPW 4310</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Golden Age Drama:</b> 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. <i>Occasional.</i>
<b>SPW 4322</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Contemporary Iberian Theatre:</b> PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. <i>Occasional.</i>
<b>SPW 4364</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Latin-American Narrative/Essay:</b> 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. <i>Occasional.</i>
<b>SPW 4381</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Latin-American Theatre/Poetry:</b> PR: SPW 3100 or SPW 3101 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. <i>Occasional.</i>
<b>SPW 4382</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Central American Literature:</b> 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. <i>Occasional.</i>
<b>SPW 4450</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Spanish Literary Theory:</b> PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of textual criticism with emphasis in the theory of genre. <i>Occasional.</i>
<b>SPW 4460</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Nineteenth Century Spanish Literature:</b> PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. <i>Occasional.</i>
<b>SPW 4604</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Cervantes:</b> PR: SPW 3100 or C.I. Don Quixote. <i>Occasional.</i>
<b>SPW 4720</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>The Generation of 1898:</b> PR: SPW 3101 or C.I. A study of the generation's main authors and their works. <i>Occasional.</i>
<b>SPW 4730</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Hispanic Literature of the United States:</b> PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. <i>Occasional.</i>
<b>SPW 4770</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Caribbean Spanish Literature:</b> PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. <i>Occasional.</i>
<b>SPW 4772</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Black Presence in Contemporary Latin American Literature:</b> PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. <i>Occasional.</i>
<b>SPW 4773</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Puerto Rican Literature:</b> PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3131. Puerto Rican Literature from XIX Century to present. Conducted in Spanish. <i>Occasional.</i>
<b>SPW 5741</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Contemporary Spanish American Southern Cone Literature:</b> PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. <i>Occasional.</i>
<b>SPW 5795</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>	<b>Jewish Culture in Latin America:</b> PR: Spanish M.A. program or graduate student proficient in Spanish. History of the arrival of Jews in Latin America and studies of Latin American Jewish authors and literature. Will be taught in Spanish, including all readings. <i>Occasional.</i>
<b>SSE 3312</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Teaching Social Science in the Elementary School:</b> PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. <i>Fall, Spring.</i>
<b>SSE 4361</b>	<b>ED-TL&amp;L</b>	<b>4(4,0)</b>	<b>Social Science Instructional Analysis:</b> PR: EDG 4323 or C.I.; CR: ESE 3940 or C.I. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. <i>Fall, Spring.</i>
<b>SSE 4936</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Programs in Teaching Social Science:</b> PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. <i>Fall.</i>
<b>SSE 5391</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Global Education: Theory and Practice:</b> PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. <i>Spring.</i>
<b>SSE 5776</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Democracy and Education:</b> PR: Graduate standing or C.I. Explores the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. <i>Fall.</i>
<b>SSE 5790</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>	<b>Inquiry and Instructional Analysis in Social Science Education:</b> PR: Admission to M.A. program or alternative certification certificate program. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. <i>Occasional.</i>
<b>STA 1060C</b>	<b>COS-STAT</b>	<b>3(2,1)</b>	<b>Basic Statistics Using Microsoft Excel:</b> Applications of Excel; manipulating data; single variable graphs and statistics; scatterplots; probability distributions; statistical inference. <i>Fall, Spring.</i>
<b>STA 2014C</b>	<b>COS-STAT</b>	<b>3(2,1)</b>	<b>Principles of Statistics:</b> Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. <i>Fall, Spring.</i>
<b>STA 2023</b>	<b>COS-STAT</b>	<b>3(3,0)</b>	<b>Statistical Methods I:</b> PR: MAC 1105C or MGF 1106. First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. <i>Fall, Spring.</i>
<b>STA 2023H</b>	<b>COS-STAT</b>	<b>3(3,0)</b>	<b>Honors Statistical Methods I:</b> PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. <i>Fall, Spring.</i>
<b>STA 3032</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>	<b>Probability and Statistics for Engineers:</b> PR: MAC 2312. Axioms of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. <i>Fall, Spring.</i>
<b>STA 3032H</b>	<b>ECS-IEMS</b>	<b>3(3,0)</b>	<b>Honors Probability and Statistics for Engineers:</b> PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. <i>Fall, Spring.</i>
<b>STA 3096</b>	<b>COS-STAT</b>	<b>3(3,0)</b>	<b>Statistical Graphics:</b> 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. <i>Occasional.</i>
<b>STA 4102</b>	<b>COS-STAT</b>	<b>3(3,0)</b>	<b>Computer Processing of Statistical Data:</b> 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. <i>Fall.</i>
<b>STA 4130</b>	<b>COS-STAT</b>	<b>3(3,0)</b>	<b>Life Contingencies I:</b> PR: STA 4183 (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. <i>Fall.</i>
<b>STA 4131</b>	<b>COS-STAT</b>	<b>3(3,0)</b>	<b>Life Contingencies II:</b> 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. Non forfeiture benefits and dividends. <i>Spring.</i>

# UCF Courses and Descriptions

**STA 4163 COS-STAT 3(3,0)**  
**Statistical Methods II:** PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data, statistical models, estimation, tests of hypotheses, regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. *Fall, Spring.*

**STA 4164 COS-STAT 3(3,0)**  
**Statistical Methods III:** PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. *Fall, Spring.*

**STA 4173 COS-STAT 3(3,0)**  
**Biostatistical Methods:** CR: STA 4163 or C.I. Applied statistical principles and methods applied to problems in medical, biological, and health sciences. *Occasional.*

**STA 4183 COS-STAT 3(3,0)**  
**Theory of Interest:** 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.*

**STA 4184 COS-STAT 3(3,0)**  
**Introduction to Derivative Markets:** PR: STA 4183 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.*

**STA 4186 COS-STAT 3(3,0)**  
**Theory of Derivative Pricing:** PR: STA 4184 or C.I. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. *Spring.*

**STA 4187 COS-STAT 3(3,0)**  
**Theory of Graduation:** PR: STA 4322. Graduation, moving weighted averages methods, Whitaker-Henderson, Bayesian and parametric methods, smooth-junction formula, graduation of selected data. *Occasional.*

**STA 4222 COS-STAT 3(3,0)**  
**Sample Survey Methods:** PR: STA 2023 or STA 3032. Constructing and analyzing survey designs. Sampling and non-sampling errors. Simple random, stratified, systematic, and multiphase sampling. Methods of estimation. *Occasional.*

**STA 4321 COS-STAT 3(3,0)**  
**Statistical Theory I:** 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.*

**STA 4322 COS-STAT 3(3,0)**  
**Statistical Theory II:** 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.*

**STA 4502 COS-STAT 3(3,0)**  
**Nonparametric Statistical Methods:** PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. *Occasional.*

**STA 4504 COS-STAT 3(3,0)**  
**Categorical Data Analysis:** PR: STA 4163. Two-way and three-way contingency tables, odds ratios, partial association, logistic regression and log linear models. *Occasional.*

**STA 4641 COS-STAT 3(3,0)**  
**Risk Theory and Decision:** PR: STA 4322. Individual and collective risk models for short terms and for extended periods, applications of risk theory to actuarial problems. Risk factors and their financial effects. *Occasional.*

**STA 4664 COS-STAT 3(3,0)**  
**Statistical Quality Control:** PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. *Occasional.*

**STA 4672 COS-STAT 3(3,0)**  
**Actuarial Statistical Methods:** PR: STA 2023 and STA 4183. Regression and time series analysis of insurance and financial data. *Occasional.*

**STA 4675 COS-STAT 3(3,0)**  
**Demographic Statistics:** PR: STA 4322. Measures of mortality, fertility and morbidity. Construction methods of life tables from census data, population projection techniques, stability and stationarity of demographic populations. *Occasional.*

**STA 4676 COS-STAT 3(3,0)**  
**Life Testing Analysis:** PR: STA 4322. Models of survival analysis including random and non-random censoring and truncation. Parametric estimation of life distribution. Nonparametric methods. Grouped data. *Occasional.*

**STA 4852 COS-STAT 3(3,0)**  
**Applied Time Series:** PR: STA 4163. Forecasting methods, time series analysis, stationary and nonstationary time series, ARIMA models, forecasting processes. *Occasional.*

**STA 4939 COS-STAT 3(3,0)**  
**Problems in Actuarial Science:** PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. *Occasional.*

**STA 4942 COS-STAT 3(3,0)**  
**Practicum in Actuarial Science:** PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. *Occasional.*

**STA 5085 COS-STAT 3(3,0)**  
**Analytical Reasoning:** PR: Graduate standing. Concepts in probability and statistics through case studies. Seminar and telecommunications format. Analytical/logical thinking in context. *Occasional.*

**STA 5103 COS-STAT 3(3,0)**  
**Advanced Computer Processing of Statistical Data:** PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. *Fall.*

**STA 5139 COS-STAT 3(3,0)**  
**Credibility Theory and Loss Distribution:** PR: STA 4322, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact credibility. Parametric and nonparametric estimation of credibility. Loss models for claim severities and frequencies. Aggregate claims models. *Fall.*

**STA 5175 COS-STAT 3(3,0)**  
**Biometry:** PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. *Spring.*

**STA 5176 COS-STAT 3(3,0)**  
**Introduction to Biostatistics:** PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects model, random-effects model, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. *Occasional.*

**STA 5205 COS-STAT 3(3,0)**  
**Experimental Design:** PR: STA 4164, STA 5206 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incomplete block designs; factorial and fractional designs; design resolution. *Spring.*

**STA 5206 COS-STAT 3(3,0)**  
**Statistical Analysis:** PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. *Fall.*

**STA 5505 COS-STAT 3(3,0)**  
**Categorical Data Methods:** PR: STA 4163 or STA 5206, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. *Occasional.*

**STA 5646 COS-STAT 3(3,0)**  
**Casualty Insurance:** PR: STA 4322 and STA 4641, graduate status or senior standing, or C.I. Individual risk rating and classification of risk for property/casualty insurance. Re insurance and expense issues. Reserves for insurance and loss adjustment expenses. Investment income. *Occasional.*

**STA 5703 COS-STAT 3(3,0)**  
**Data Mining Methodology I:** PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. *Fall.*

**STA 5825 COS-STAT 3(3,0)**  
**Stochastic Processes and Applied Probability Theory:** PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queueing theory, and simple stochastic processes. *Spring.*

**STA 5940 COS-STAT 1(1,0)**  
**Statistical Advice for Researchers:** PR: Graduate status or senior standing or C.I. Discussion of student-supplied statistical problem, data sources, sampling techniques, computer package usage, analysis, interpretation. May be repeated for credit. Graded S/U. *Occasional.*

**STA 5948 COS-STAT 3(3,0)**  
**Actuarial Science Practicum:** PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. *Occasional.*

**SUR 2101C ECS-CECE 3(2,3)**  
**Surveying:** PR: MAC 2311 and Junior standing. Theory and field practice in surveying measurements and the reduction and adjustment of field data. *Spring.*

**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 3120 COS-SOC 3(3,0)**  
**Contemporary Social Theory:** PR: Junior standing and 9 hours of upper level sociology courses or C.I. A study of major European and American contributors to modern sociology since World War II. *Occasional.*

**SYA 3400C COS-SOC 4(3,1)**  
**Applied Social Statistics:** PR: SYG 2000 and one other sociology course. Application of statistical techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. *Fall.*

**SYA 4112 COS-SOC 3(3,0)**  
**The Thought and Writings of W.E.B. Du Bois:** PR: SYG 2000 or SYG 2010. The sociological/social scientific contributions of W.E.B. Du Bois. *Occasional.*

**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.*



## UCF Courses and Descriptions

<b>SYA 4450</b>	<b>COS-SOC</b>	<b>4(3,2)</b>	<b>SYD 4813</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 4300</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Data Analysis:</b> PR: SYA 4300C and SYA 3400C. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. <i>Spring</i> .			<b>Women, Law and Social Change:</b> PR: SYG 2000 or SYG 2010 or C.I. The process of social movements and how they impact legalized social norms for women in public and private life. <i>Occasional</i> .			<b>Political Sociology:</b> Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. <i>Occasional</i> .		
<b>SYA 4650C</b>	<b>COS-SOC</b>	<b>3(2,2)</b>	<b>SYD 5517</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 4323</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Community Action and Involvement:</b> PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological principles in the treatment of practical human problems and organization. <i>Occasional</i> .			<b>Environment and Society:</b> PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. <i>Occasional</i> .			<b>Community and Diversity:</b> 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. <i>Occasional</i> .		
<b>SYA 5625</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYD 5795</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 4400</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>ProSeminar:</b> 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. <i>Fall</i> .			<b>Class, Race, and Gender in American Society:</b> 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. <i>Occasional</i> .			<b>Medical Sociology:</b> Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. <i>Occasional</i> .		
<b>SYA 5652</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYG 2000</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3300</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Advanced Population:</b> PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. <i>Occasional</i> .			<b>Introduction to Sociology:</b> Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. <i>Fall, Spring</i> .			<b>Fads, Crowds, and Social Action:</b> 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. <i>Occasional</i> .		
<b>SYD 3410</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYG 2000H</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3400</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Urban Society:</b> PR: SYG 2000 or C.I. Historical roots of urbanization. Analysis and impact of community change on social organizations in modern industrial societies. <i>Occasional</i> .			<b>General Sociology:</b> PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. <i>Fall, Spring</i> .			<b>Social Change:</b> PR: SYG 2000 or SYG 2010 or C.I. Context and essential sources of social development and change. <i>Occasional</i> .		
<b>SYD 3700</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYG 2010</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3510</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Race and Ethnicity:</b> PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. <i>Fall, Spring</i> .			<b>Social Problems:</b> Analysis of major social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. <i>Fall, Spring</i> .			<b>Sociology of Deviant Behavior:</b> 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. <i>Spring</i> .		
<b>SYD 3750</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYG 3949</b>	<b>COS-SOC</b>	<b>0(0,8)</b>	<b>SYP 3511</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Contemporary Social Issues and North American Indians:</b> PR: 2000 level social science or C.I. Examination of North American Indian sovereignty and current issues including economic development, education, freedom of religion, child welfare, federal/state/tribal relationships and environment. <i>Occasional</i> .			<b>Cooperative Education in Sociology:</b> PR: Departmental permission required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. <i>Occasional</i> .			<b>Sociology of Murder:</b> 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. <i>Fall</i> .		
<b>SYD 3751</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 3000</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3520</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>North American Indian Women Today:</b> PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of sovereign rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. <i>Occasional</i> .			<b>Contemporary Society:</b> PR: SYG 2000 or SYG 2010 or C.I. Exploration of contemporary sociology. Conceptual analysis and methodological techniques, presentation and utilization of sociological literature on major social institutions. <i>Occasional</i> .			<b>Criminology:</b> PR: SYG 2000 or SYG 2010 or C.I. Chief causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions. <i>Fall, Spring</i> .		
<b>SYD 3752</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 3360</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3530</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Modern Law in Indian Country:</b> PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian governments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. <i>Occasional</i> .			<b>Social Organization and Human Relations:</b> 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. <i>Occasional</i> .			<b>Juvenile Delinquency:</b> Types of delinquency behavior found among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. <i>Occasional</i> .		
<b>SYD 3800</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 3410</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3540</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Sex and Gender in Society:</b> PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. <i>Fall, Spring</i> .			<b>Patterns of Mental Health in Society:</b> 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. <i>Occasional</i> .			<b>Sociology of Law:</b> PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including the functions of law and its organization, social and economic consequences, jury selection, and modern trends. <i>Occasional</i> .		
<b>SYD 4020</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 3530</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3551</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Birth, Death, and Population Trends:</b> PR: SYG 2000 or C.I. Concerned with the study of human population, its distribution, composition, and change. <i>Occasional</i> .			<b>Social Power and Inequality:</b> PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in stratification systems; patterns of mobility and change. <i>Occasional</i> .			<b>Patterns of Alcoholism in Society:</b> PR: SYG 2000 or C.I. Introduction to the nature of alcoholism and review of its impact on society. <i>Occasional</i> .		
<b>SYD 4510</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 4100</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3562</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Environment and Society:</b> PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. <i>Odd Spring</i> .			<b>Family Trends:</b> PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. <i>Fall, Spring</i> .			<b>Patterns of Domestic Violence in Society:</b> PR: SYG 2000 or C.I. Sociological perspectives on all forms of domestic violence, including theoretical explanations, prevalence, risk factors, dynamics of prevention, and intervention. <i>Occasional</i> .		
<b>SYD 4514</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 4200</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3602</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Environmental Movement:</b> PR: SYG 2000 or SYG 2010 or C.I. Origins, evolution, current status and societal impacts of the environmental movement via sociological theory, concepts and research on social movements. <i>Occasional</i> .			<b>Religion in Society:</b> 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. <i>Occasional</i> .			<b>Patterns of Popular Music in Society:</b> 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. <i>Occasional</i> .		
<b>SYD 4810</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYO 4250</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>SYP 3630</b>	<b>COS-SOC</b>	<b>3(3,0)</b>
<b>Women in Contemporary Society:</b> 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). <i>Fall, Spring</i> .			<b>Education and Social Achievement:</b> 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. <i>Occasional</i> .			<b>Popular Culture in Society:</b> PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity and age. <i>Occasional</i> .		



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<b>SYP 3650</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Sports and Society:</b> PR: SYG 2000 or SYG 2010 or C.I. Utilization of sociological concepts and theories to investigate sport as a social institution. Includes subjects of racism, sexism, drug abuse, violence, and current issues of sport. <i>Occasional.</i>
<b>SYP 4000</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Sociological Social Psychology:</b> PR: SYG 2000 or C.I. Study of social perception, attitude formation and change, motivation, and decision-making in small groups as affected by social interaction and social processes. <i>Occasional.</i>
<b>SYP 4004</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Constructing Social Issues:</b> 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. <i>Occasional.</i>
<b>SYP 4304</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Social Movements and Revolutions:</b> PR: SYG 2000 or C.I. Comparative sociology of revolutions and the sociological research on social movements. <i>Occasional.</i>
<b>SYP 4454</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Global Inequality and Society:</b> PR: SYG 2000 or C.I. Theoretical and empirical examination of the sociological process of global stratification and the countervailing force of an emergent anti-globalization social movement. <i>Occasional.</i>
<b>SYP 4514</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Patterns of Violence in Society:</b> PR: SYG 2000 or SYG 2010 or C.I. Social roots, culture, circumstances, prevention, and control of violence. <i>Occasional.</i>
<b>SYP 4521</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Crime Victims in Society:</b> 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. <i>Occasional.</i>
<b>SYP 4536</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Gangs and Society:</b> 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. <i>Occasional.</i>
<b>SYP 4550</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Patterns of Drug Abuse in Society:</b> PR: SYG 2000 or C.I. Analysis of the socio-cultural elements of the drug culture. <i>Occasional.</i>
<b>SYP 4730</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Patterns of Aging in Society:</b> PR: SYG 2000 or SYG 2010 or C.I. Sociological aspects of aging in America. <i>Fall, Spring.</i>
<b>SYP 4732</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Minority Aging:</b> PR: SYG 2000 or SYD 3700 or SYP 4730 or C.I. A sociological examination of older populations within minorities; ethnic minorities, women, and gay men and lesbians. <i>Occasional.</i>
<b>SYP 5005</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Sociological Social Psychology:</b> 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. <i>Occasional.</i>
<b>SYP 5525</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Sociological Criminology:</b> 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. <i>Occasional.</i>
<b>SYP 5566</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Seminar on Domestic Violence: Theory, Research and Social Policy:</b> PR: Graduate status or senior standing or C.I. A sociological examination and evaluation of theories, empirical research and social policy related to the study of domestic violence. <i>Occasional.</i>
<b>SYP 5615</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Sociology of Culture:</b> PR: Graduate standing or C.I. Major theoretical approaches and empirical studies in the sociology of culture and analysis of cultural processes. <i>Occasional.</i>
<b>SYP 5738</b>	<b>COS-SOC</b>	<b>3(3,0)</b>	<b>Seminar on the Welfare State and Aging:</b> PR: Graduate standing or C.I. A sociological examination of old policies from a cross-cultural perspective. <i>Occasional.</i>
<b>TAX 4001</b>	<b>BA-ACCT</b>	<b>3(3,0)</b>	<b>Taxation of Business Entities and Transactions:</b> PR: Junior standing plus completion of ACG 3131 with a grade of "C" or higher. Federal income tax laws affecting the taxation of business entities and transactions. <i>Fall, Spring.</i>
<b>TAX 5015</b>	<b>BA-ACCT</b>	<b>3(3,0)</b>	<b>Advanced Tax Topics:</b> PR: Graduate standing and TAX 4001. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. <i>Occasional.</i>
<b>THE 2000</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre Survey:</b> Overview of the art and craft of the theatre. Restricted to non majors. <i>Fall, Spring.</i>
<b>THE 2000H</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre Survey - Honors:</b> PR: Permission of Honors. Not restricted to theatre majors. Honors-level overview of the art and craft of the theatre. <i>Fall, Spring.</i>
<b>THE 2020</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Survey of Theatre for Majors:</b> PR: Theatre major or minor. Overview of the art and craft of theatre. <i>Fall.</i>
<b>THE 2025</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Introduction to Theatrical Design:</b> PR: C (2) in THE 2000 or THE 2020 and TPA 2201. Basic design elements and the collaborative process introduced as practical tools for theatre production. Not allowed for Design and Technology or Stage Management majors. <i>Occasional.</i>
<b>THE 2050</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre Studies in Creative Drama:</b> PR: Theatre major or minor. Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. <i>Occasional.</i>
<b>THE 2081C</b>	<b>CAH-THEA</b>	<b>0(1,2)</b>	<b>Introduction to UCF Theatre:</b> PR: THE 2020 or CR: THE 2020. Specific UCF Theatre Department production protocols and operations. <i>Fall.</i>
<b>THE 2090L</b>	<b>CAH-THEA</b>	<b>1(0,VAR)</b>	<b>Theatre Participation-Management I:</b> PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i>
<b>THE 2250</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Sex, Drugs, &amp; the Rock and Roll Musical:</b> Overview of the Rock & Roll musical theatre genre including culture and development. <i>Occasional.</i>
<b>THE 2304</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Script Analysis:</b> PR: Theatre major or minor. Exploration of dramatic form with focus on playscripts for productions. <i>Fall, Spring.</i>
<b>THE 2925L</b>	<b>CAH-THEA</b>	<b>0(0,VAR)</b>	<b>Theatre Participation:</b> 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. <i>Fall, Spring.</i>
<b>THE 3082</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre Careers:</b> PR: Theatre major or minor, Sophomore standing, and "C" (2.0) or better in THE 2020 or THE 2000. Techniques to secure employment in theatre and related fields. <i>Occasional.</i>
<b>THE 3240</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Musical Theatre Survey:</b> 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. <i>Occasional.</i>
<b>THE 3272</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>What a Drag: The Art of Transgender in Entertainment:</b> PR: ENC 1102. The use of transgender performance in entertainment. <i>Occasional.</i>
<b>THE 3311</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre History and Dramatic Literature I:</b> PR: Theatre major or minor, "C" (2.0) or better in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. <i>Fall.</i>
<b>THE 3312</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre History and Dramatic Literature II:</b> PR: Theatre major or minor, "C" (2.0) or better in THE 3311 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. <i>Spring.</i>
<b>THE 3313</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre History and Dramatic Literature III:</b> PR: Theatre major or minor, "C" (2.0) or better in THE 3312 and Junior standing. Theatre history and drama from modern realism to present. <i>Fall.</i>
<b>THE 3333</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Shakespeare Skills:</b> PR: Grade of C (2.0) or better in THE 2020 or THE 2000. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. <i>Occasional.</i>
<b>THE 3383</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Taboo Theatre: Sex &amp; Violence on Stage:</b> PR: ENC 1102. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. <i>Occasional.</i>
<b>THE 4093L</b>	<b>CAH-THEA</b>	<b>1(0,VAR)</b>	<b>Theatre Participation-Management II:</b> PR: Theatre major or minor; "C" (2.0) or better in THE 2090L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i>
<b>THE 4212</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Global Theatre:</b> PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. <i>Occasional.</i>
<b>THE 4230</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Cultural Diversity in Theater:</b> PR: "C" (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. <i>Occasional.</i>
<b>THE 4244</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Musical Theatre History I:</b> PR: B.F.A. Musical Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. <i>Fall.</i>
<b>THE 4245</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Musical Theatre History II:</b> PR: BFA Musical Theatre major, C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. <i>Spring.</i>
<b>THE 4284</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Period Costume, Architecture, and Decor I:</b> PR: "C" (2.0) or better in TPA 2000C and THE 3311. Costumes, furniture and decor from antiquity to the High Renaissance. <i>Fall.</i>
<b>THE 4285</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Period Costume, Architecture, and Decor II:</b> PR: "C" (2.0) or better in TPA 2000C, THE 3312, and THE 4284. Costumes, furniture and decor from the English Renaissance to the present. <i>Occasional.</i>
<b>THE 4423</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Women in Theatre:</b> PR: Grade of C (2.0) or better in ENC 1101. An overview of women's contributions to theatre. <i>Occasional.</i>
<b>THE 4543</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Theatre for Social Change:</b> PR: Grade of C (2.0) or better in ENC 1101. Theatre activist's impact on theatrical art forms. <i>Occasional.</i>
<b>THE 4543H</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>Honors Theatre for Social Change:</b> PR: Consent of Honors. Theatre activist's impact on theatrical art forms. With Honors content. <i>Occasional.</i>

## UCF Courses and Descriptions

<b>THE 4954</b>	<b>CAH-THEA</b>	<b>0(0,0)</b>	<b>TPA 2000C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPA 3060C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Theatre Exit Critique:</b> PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. <i>Fall, Spring.</i>			<b>Theatre Design Basics:</b> PR: BFA Design/Tech or Stage Management major, C (2.0) or better required in THE 2020 or THE 2000. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. <i>Fall.</i>			<b>Scenic Design for Theatre I:</b> PR: "C" (2.0) or better in TPA 2010C. Projects in the fundamentals of scenic design for the stage. <i>Fall.</i> M&S fee \$37.00		
<b>THE 5205</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2010C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPA 3077C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>American Theatre:</b> PR: THE 5910, and MA or MFA Theatre Graduate. Examination of performance and historical perspectives of American drama. <i>Spring.</i>			<b>Scenography:</b> PR: "C" (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes and sound. <i>Occasional.</i>			<b>Scene Painting:</b> PR: "C" (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. <i>Fall.</i> M&S fee \$45.00		
<b>THE 5215</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2071C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPA 3195L</b>	<b>CAH-THEA</b>	<b>3(0,VAR)</b>
<b>Global Theatre:</b> PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. <i>Occasional.</i>			<b>Theatre Rendering:</b> PR: "C" (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. <i>Spring.</i>			<b>Summer Theatre Studio/Tech/Design I:</b> PR: Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts produced on UCF mainstage. May be repeated for credit. <i>Occasional.</i> M&S fee \$20.00		
<b>THE 5237</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2170C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPA 3197L</b>	<b>CAH-THEA</b>	<b>3(0,VAR)</b>
<b>Cultural Diversity in Theatre:</b> PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. <i>Occasional.</i>			<b>Introduction to Theatre Production Documentation:</b> PR: CGS 1060C. Presentation of information necessary to document design and production process. <i>Spring.</i>			<b>Summer Theatre Studio/Tech/Design II:</b> PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. <i>Occasional.</i> M&S fee \$20.00		
<b>THE 5248</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2201</b>	<b>CAH-THEA</b>	<b>2(2,0)</b>	<b>TPA 3221C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Musical Theatre in History:</b> 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 master-works of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. <i>Fall.</i>			<b>Technical Theatre Production:</b> PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or minor, PR: "C" (2.0) or better in THE 2020 or THE 2000; CR: TPA 2201L. Development, theory and practice of all areas of technical theatre production. <i>Fall, Spring.</i>			<b>Lighting Design for Theatre I:</b> PR: "C" (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of lighting design for the stage. <i>Spring.</i> M&S fee \$37.00		
<b>THE 5278C</b>	<b>CAH-THEA</b>	<b>1(1,1)</b>	<b>TPA 2201L</b>	<b>CAH-THEA</b>	<b>1(0,6)</b>	<b>TPA 3249C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>
<b>Musical Theatre Lab:</b> PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. <i>Spring.</i>			<b>Technical Theatre Production Lab:</b> CR: TPA 2201. Practical projects in scenic construction. <i>Occasional.</i> M&S fee \$15.00			<b>Advanced Makeup Techniques:</b> PR: "C" (2.0) or better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. <i>Occasional.</i> M&S fee \$45.00		
<b>THE 5288</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2210</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 3260C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Period Costumes, Architecture and Décor I:</b> PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the renaissance. <i>Fall.</i>			<b>Stagecraft I:</b> PR: BFA Design/Tech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. <i>Fall.</i>			<b>Sound Design for Theatre I:</b> PR: "C" (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. <i>Spring.</i>		
<b>THE 5289</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2210L</b>	<b>CAH-THEA</b>	<b>1(0,6)</b>	<b>TPA 3383C</b>	<b>CAH-THEA</b>	<b>2(2,4)</b>
<b>Period Costumes, Architecture and Décor II:</b> PR: THE 5288. Costumes, architecture and decor from the Renaissance to present. <i>Spring.</i>			<b>Stagecraft I Lab:</b> PR: or CR: "C" (2.0) or better in TPA 2210. Practical projects in scenic construction. <i>Occasional.</i> M&S fee \$45.00			<b>Topics in Technical Theatre:</b> PR: TPA 2230C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. <i>Occasional.</i> M&S fee \$35.00		
<b>THE 5307</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2211</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 3601</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>
<b>Contemporary Theatre Practice:</b> PR: THE 3311, THE 3312, THE 3313, Restricted to Theatre majors or departmental consent. Contemporary trends in plays and theatre production in the late 20th century. <i>Spring.</i>			<b>Stagecraft II:</b> PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211L. Hand-drafting, properties design, and construction. <i>Spring.</i>			<b>Stage Management:</b> PR: "C" (2.0) or better in TPA 2600. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. <i>Fall.</i>		
<b>THE 5385</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2211L</b>	<b>CAH-THEA</b>	<b>1(0,6)</b>	<b>TPA 401C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Dramatic Literature for Children:</b> PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. <i>Even Fall.</i>			<b>Stagecraft II Lab:</b> PR: "C" (2.0) or better in TPA 2210 and TPA 2210L; CR: TPA 2211. Practical projects in scenic and property construction. <i>Occasional.</i> M&S fee \$45.00			<b>Costume Design for Theatre II:</b> PR: "C" (2.0) or better in TPA 3040C. A continuation of TPA 3040C. <i>Spring.</i>		
<b>THE 5425</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2220C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPA 4061C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Women in Theatre:</b> PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. <i>Occasional.</i>			<b>Stage Electronics:</b> PR: or CR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. <i>Fall.</i> M&S fee \$29.50			<b>Scenic Design for Theatre II:</b> PR: "C" (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. <i>Spring.</i> M&S fee \$37.00		
<b>THE 5545</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2230C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPA 4066C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Theatre for Social Change:</b> PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists' impact on theatrical art forms. <i>Occasional.</i>			<b>Costume Construction:</b> PR: THE 2020 or THE 2000; and BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. <i>Spring.</i> M&S fee \$15.00			<b>Advanced Scenography:</b> PR: TPA 3060C, TPA 3040C, TPA 3260C, or TPA 3221C. Project based work in student's area of concentration. May be used in the degree program a maximum of 4 times only when course content is different. <i>Occasional.</i>		
<b>THE 5910</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 2248C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPA 4224C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>
<b>Research Methods in Theatre:</b> PR: MFA and MA in Theatre. Practice knowledge, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. <i>Fall.</i>			<b>Makeup Techniques:</b> PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. <i>Fall, Spring.</i> M&S fee \$15.00			<b>Lighting Design for Theatre II:</b> PR: "C" (2.0) or better in TPA 3221C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. <i>Occasional.</i> M&S fee \$37.00		
<b>THE 5945L</b>	<b>CAH-THEA</b>	<b>1(0,20)</b>	<b>TPA 2290L</b>	<b>CAH-THEA</b>	<b>1(0,VAR)</b>	<b>TPA 4250C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>
<b>Theatre Practicum I:</b> PR: Graduate status or C.I. A laboratory course designed to develop students' practical working knowledge in Theatre. <i>Occasional.</i>			<b>Theatre Participation-Production I:</b> PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. <i>Fall, Spring.</i> M&S fee \$15.00			<b>CADD for Theatre:</b> PR: "C" (2.0) or better in TPA 2211, TPA 2211L, and TPA 2170C. Computer-aided drafting and design and its application for Theatre. <i>Occasional.</i> M&S fee \$23.00		
<b>THE 5946L</b>	<b>CAH-THEA</b>	<b>1(0,20)</b>	<b>TPA 2600</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPA 4251C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>
<b>Theatre Practicum II:</b> PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to develop students' practical working knowledge in theatre. <i>Occasional.</i>			<b>Stage Management Basics:</b> PR: "C" (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. <i>Occasional.</i>			<b>Advanced CADD for Theatre:</b> PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. <i>Spring.</i> M&S fee \$38.75		
			<b>TPA 3040C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>			
			<b>Costume Design for Theatre I:</b> PR: "C" (2.0) or better in TPA 2010C. Projects in the fundamentals of costume design for the stage. <i>Fall.</i>					



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- TPA 4264C CAH-THEA 3(2,2)**  
**Sound Design for Theatre II:** PR: "C" (2.0) or better in TPA 3260C. Project sound design work with an emphasis on design communication and professional standards and practices. *Occasional.*
- TPA 4293L CAH-THEA 1(0,VAR)**  
**Theatre Participation-Production II:** PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. *Fall, Spring.* M&S fee \$15.00
- TPA 4384C CAH-THEA 3(3,4)**  
**Advanced Topics in Technical Theatre:** PR: C (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. *Occasional.* M&S fee \$35.00
- TPA 4400 CAH-THEA 3(3,0)**  
**Theatre Management:** PR: "C" (2.0) or better in THE 2000 or THE 2020. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. *Fall.*
- TPA 4401C CAH-THEA 3(2,2)**  
**Theatre Careers in Production:** PR: B.F.A. Design/Tech or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. *Spring.*
- TPA 4602 CAH-THEA 3(3,0)**  
**Advanced Stage Management:** PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. *Fall.*
- TPA 5029C CAH-THEA 3(2,2)**  
**Lighting Design Studio:** PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage with an emphasis on the use of light as artistic expression. *Occasional.*
- TPA 5042C CAH-THEA 3(2,2)**  
**Costume Design Studio:** PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. *Occasional.*
- TPA 5062C CAH-THEA 3(2,2)**  
**Scene Design Studio:** PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. *Spring.*
- TPA 5081C CAH-THEA 3(3,3)**  
**Design Concepts for Youth Theatre:** PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. *Odd Spring.*
- TPA 5085C CAH-THEA 2(2,2)**  
**Design Seminar for Theatre:** PR: Admission into Theatre MFA Design track. Scenic, costume, lighting and sound design for theatre. *Occasional.*
- TPA 5095C CAH-THEA 1(1,1)**  
**Rendering for Theatre I:** PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. *Fall.*
- TPA 5175C CAH-THEA 1(1,1)**  
**Rendering for Theatre II:** PR: TPA 5095C. Software and technology available for visual communication and documentation. *Spring.*
- TPA 5345C CAH-THEA 2(2,2)**  
**2D Computer Assisted Design for Theatre:** PR: Admission into the Theatre MFA Design track. Two-Dimensional computer drafting and editing techniques applicable to theatre design. *Occasional.*
- TPA 5346C CAH-THEA 2(2,2)**  
**3D Modeling for Theatre:** PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. *Occasional.*
- TPA 5405 CAH-THEA 3(3,0)**  
**Theatre Management for Non-Majors:** PR: THE 2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performance as they relate to theatre organizations/institutions. *Fall.*
- TPA 5885C CAH-THEA 2(2,2)**  
**Puppetry:** PR: Admission to MFA graduate program or C.I. Puppetry as an art form in design and performance. *Odd Spring.* M&S fee \$30.00
- TPA 5946C CAH-THEA 1(0,20)**  
**Design Practicum I:** PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. *Occasional.*
- TPA 5949C CAH-THEA 1(0,20)**  
**Design Practicum II:** PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the practical application of Properties and/or Design for the Theatre. *Occasional.*
- TPP 2101 CAH-THEA 3(3,0)**  
**Fundamentals of Acting:** PR: BA Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor. Development of imagination, self-awareness and the ability to execute basic stage tasks. *Fall, Spring.*
- TPP 2110C CAH-THEA 3(2,2)**  
**Acting I - Introduction:** PR: B.F.A. Theatre major, C (2.0) or better required in THE 2020 or THE 2000. Development of imagination, self-awareness, and the ability to execute basic stage tasks. *Fall, Spring.*
- TPP 2170C CAH-THEA 3(2,2)**  
**Acting II -The Actor Prepares:** PR: "C" (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. *Fall, Spring.*
- TPP 2185 CAH-THEA 3(3,0)**  
**Acting for Non-majors:** Introduction to the fundamentals of acting. *Fall, Spring.*
- TPP 2190L CAH-THEA 1(0,VAR)**  
**Theatre Participation-Performance I:** PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit 8 times. *Fall, Spring.* M&S fee \$15.00
- TPP 2260 CAH-FILM 3(3,0)**  
**Acting for Film:** PR: Film Majors. An introduction to acting for the camera. *Occasional.*
- TPP 2700C CAH-THEA 3(2,2)**  
**Stage Speech/Voice:** PR: BA Theatre major or minor and C (2.0) or better in THE 2000 or THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. *Fall.*
- TPP 2710C CAH-THEA 2(2,1)**  
**Voice Production I:** PR: BFA acting major. Lessac, Skinner, phonetics, and the vocal apparatus. *Fall.*
- TPP 3103 CAH-THEA 3(3,0)**  
**Intermediate Acting:** PR: B.A. Theatre Studies major, BFA Design & Technology major, BFA Stage Management major or Theatre minor and "C" (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. *Fall, Spring.*
- TPP 3172C CAH-THEA 3(2,2)**  
**Acting III - Building the Character:** PR: Grade of C (2.0) or better required in TPP 2170C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. *Spring.*
- TPP 3197L CAH-THEA 3(0,VAR)**  
**Summer Theatre/Performance:** PR: Audition/Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performance 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 3250 CAH-THEA 3(2,2)**  
**Musical Theatre Acting I:** PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. *Fall.*
- TPP 3252 CAH-THEA 3(3,0)**  
**Musical Theatre Acting II:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3250. Practical acting technique as it applies to musical theatre scene study. *Spring.*
- TPP 3257C CAH-THEA 2(2,2)**  
**Musical Theatre Voice I:** PR: B.F.A. Musical Theatre or BFA Acting major, and "C"(2.0) or better in THE 2020. Craft of singing including anatomy, physiology, and diction utilizing musical theatre repertoire. *Spring.*
- TPP 3258C CAH-THEA 2(2,2)**  
**Musical Theatre Voice II:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP.3257C. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. *Fall.*
- TPP 3264C CAH-THEA 3(3,2)**  
**Acting on Camera:** PR: BA Theatre Major; a "C" (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. *Occasional.*
- TPP 3310C CAH-THEA 3(2,2)**  
**Directing for Theatre I:** PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. *Fall, Spring.*
- TPP 3510C CAH-THEA 2(2,1)**  
**Movement for the Actor I:** PR: BFA Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. *Fall.*
- TPP 3513C CAH-THEA 2(2,1)**  
**Movement for the Actor II:** PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. *Fall.*
- TPP 3711C CAH-THEA 2(2,1)**  
**Voice Production II:** PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. *Spring.*
- TPP 3712C CAH-THEA 2(2,1)**  
**Voice Production III:** PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. *Fall.*
- TPP 3952L CAH-THEA 3(0,VAR)**  
**Summer Studio Performance:** PR: Audition/Interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. *Occasional.* M&S fee \$20.00
- TPP 4140C CAH-THEA 3(2,2)**  
**Acting IV - Creating the Role:** PR: "C" (2.0) or better in TPP 3172C. Continued exploration and application of acting techniques through scene study. *Fall.*
- TPP 4142C CAH-THEA 3(2,2)**  
**Acting Verse:** PR: Grade of C (2.0) or better required in TPP 4140C. Verse drama with particular emphasis placed on scanion and verse in the plays of William Shakespeare. *Occasional.*
- TPP 4143C CAH-THEA 3(2,2)**  
**Acting Styles:** PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. *Occasional.*
- TPP 4193L CAH-THEA 1(0,VAR)**  
**Theatre Participation-Performance II:** PR: Theatre major or minor and "C" (2.0) or better in TPP 2190L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. *Fall, Spring.* M&S fee \$15.00



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<b>TPP 4221</b>	<b>CAH-THEA</b>	<b>3(3,0)</b>	<b>TPP 4923C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5716C</b>	<b>CAH-THEA</b>	<b>2(2,1)</b>
<b>Auditioning:</b> PR: "C" (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. <i>Spring.</i>			<b>Musical Theatre Voice IV:</b> PR: "C" (2.0) or better in TPP 4259C. 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. <i>Fall.</i>			<b>Stage Voice II:</b> PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. <i>Spring.</i>		
<b>TPP 4223C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPP 4940L</b>	<b>CAH-THEA</b>	<b>6(0,VAR)</b>	<b>TPP 5754</b>	<b>CAH-THEA</b>	<b>2(2,0)</b>
<b>Theatre Careers for Performance:</b> PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. <i>Spring.</i>			<b>Theatre Internship:</b> PR: Restricted to B.F.A. Theatre majors, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. <i>Fall, Spring.</i>			<b>Musical Theatre Voice I:</b> 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. <i>Fall.</i>		
<b>TPP 4243C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5125C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5935C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>
<b>Circus Arts:</b> 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. <i>Occasional.</i>			<b>Improvisation Studio:</b> 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. <i>Odd Fall.</i>			<b>Contemporary Practices in Youth Theatre:</b> PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. <i>Odd Spring.</i>		
<b>TPP 4244</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPP 5156C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TSL 3346</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>The Art of Storytelling:</b> 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. <i>Occasional.</i>			<b>Acting Studio I:</b> PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. <i>Fall.</i>			<b>English as an International Language:</b> 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. <i>Fall, Spring.</i>		
<b>TPP 4253C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPP 5157C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TSL 4080</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>
<b>Musical Theatre Acting III:</b> PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3258C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. <i>Occasional.</i>			<b>Acting Studio II:</b> PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Chekhov/Shaw. <i>Spring.</i>			<b>Theory and Practice of Teaching ESOL Students in Schools:</b> PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL. <i>Fall, Spring.</i>		
<b>TPP 4259C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5246C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TSL 4240</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Musical Theatre Voice III:</b> PR: "C" (2.0) or better in TPP 3258C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. <i>Spring.</i>			<b>Circus Arts:</b> PR: Admission to Theatre graduate program or C.I. Circus skills and history. <i>Even Spring.</i>			<b>Issues in Second Language Acquisition:</b> PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. <i>Fall, Spring.</i>		
<b>TPP 4265C</b>	<b>CAH-THEA</b>	<b>3(3,2)</b>	<b>TPP 5248C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TSL 4363</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Camera Acting:</b> PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. <i>Occasional.</i>			<b>Storytelling as a Theatrical Art Form:</b> PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. <i>Spring.</i>			<b>ESL Classroom Experiences:</b> 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. <i>Spring.</i>		
<b>TPP 4268C</b>	<b>CAH-THEA</b>	<b>3(3,2)</b>	<b>TPP 5273</b>	<b>CAH-THEA</b>	<b>2(2,0)</b>	<b>TSL 5085</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>
<b>Acting VII Advanced Acting For TV/Film:</b> 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. <i>Spring.</i>			<b>Musical Theatre Acting I:</b> 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. <i>Occasional.</i>			<b>Teaching Language Minority Students in K-12 Classrooms:</b> PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. <i>Fall, Spring.</i>		
<b>TPP 4270C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5289C</b>	<b>CAH-THEA</b>	<b>2(2,3)</b>	<b>TSL 5325</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Music Theatre Voice V:</b> PR: "C" (2.0) or better in TPP 4923C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. <i>Spring.</i>			<b>Acting Methodologies:</b> PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. <i>Even Fall.</i>			<b>ESOL Strategies:</b> PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. <i>Occasional.</i>		
<b>TPP 4271C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5386C</b>	<b>CAH-THEA</b>	<b>3(3,3)</b>	<b>TSL 5345</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>
<b>Music Theatre Voice VI:</b> PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. <i>Fall.</i>			<b>Directing for Young Audiences:</b> PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. <i>Odd Spring.</i>			<b>Methods of ESOL Teaching:</b> This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. <i>Fall, Spring.</i>		
<b>TPP 4311C</b>	<b>CAH-THEA</b>	<b>3(2,2)</b>	<b>TPP 5515</b>	<b>CAH-THEA</b>	<b>2(2,0)</b>	<b>TSL 5376</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Advanced Directing for Theatre:</b> PR: "B" (3.0) or better grade in TPP 3310C. Practical experience directing class scenes and projects. <i>Spring.</i>			<b>Movement Studio I:</b> PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. <i>Fall.</i>			<b>Reading and Writing in a Second Language:</b> PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. <i>Occasional.</i>		
<b>TPP 4512C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>	<b>TPP 5516C</b>	<b>CAH-THEA</b>	<b>2(2,1)</b>	<b>TSL 5380</b>	<b>CAH-LANG</b>	<b>3(3,0)</b>
<b>Stage Combat:</b> PR: BFA Acting or Musical Theatre major, grade of "C" (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. <i>Occasional.</i>			<b>Movement Studio II:</b> PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unarmed combat. <i>Spring.</i>			<b>Computers and Technology for ESOL:</b> PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. <i>Occasional.</i>		
<b>TPP 4531C</b>	<b>CAH-THEA</b>	<b>2(2,1)</b>	<b>TPP 5554C</b>	<b>CAH-THEA</b>	<b>2(2,4)</b>	<b>TPP 5525</b>	<b>ED-TL&amp;L</b>	<b>3(3,0)</b>
<b>Period Movement:</b> PR: Grade of C (2.0) or better required in TPP 3172C. Continuation of Movement/Dance work. Emphasis given to period styles. <i>Fall.</i>			<b>Musical Theatre Dance I:</b> PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. <i>Fall.</i>			<b>ESOL Cultural Diversity:</b> This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. <i>Occasional.</i>		
<b>TPP 4730C</b>	<b>CAH-THEA</b>	<b>2(2,1)</b>	<b>TPP 5555C</b>	<b>CAH-THEA</b>	<b>2(2,4)</b>	<b>TPP 5715C</b>	<b>CAH-THEA</b>	<b>2(2,1)</b>
<b>Dialects:</b> 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. <i>Occasional.</i>			<b>Musical Theatre Dance II:</b> PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. <i>Spring.</i>			<b>Stage Voice I:</b> PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, breathing, relaxation of physical tension, and articulation. <i>Fall.</i>		
<b>TPP 4746C</b>	<b>CAH-THEA</b>	<b>2(2,2)</b>						
<b>Musical Theatre Repertoire:</b> PR: Theatre major and grade of "C" (2.0) or better in TPP 3257C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. <i>Occasional.</i>								



## UCF Courses and Descriptions

- 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. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. *Spring.*
- TTE 3810 ECS-CECE 3(3,0)**  
**Highway Engineering:** PR: STA 3032 with a grade "C" (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. *Fall, Spring.*
- TTE 4004 ECS-CECE 4(4,0)**  
**Transportation Engineering:** PR: SUR 2101C, EGN 3613 and STA 3032. Investigation of highway and transportation systems. Systems approach to planning, design, operation and administration of transportation networks. *Fall, Spring.*
- TTE 4274 ECS-CECE 3(3,0)**  
**Transportation Engineering Systems:** PR: TTE 3810 with a grade of "C" (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. *Fall, Spring.*
- TTE 4601C ECS-CECE 3(2,2)**  
**Urban Systems Design:** PR: TTE 3810 with a grade of "C" (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. *Occasional.* M&S fee \$25.00
- TTE 5204 ECS-CECE 3(3,0)**  
**Traffic Engineering:** PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. *Occasional.*
- TTE 5700 ECS-CECE 3(3,0)**  
**Railroad Engineering:** PR: TTE 4004 and C.I. The major technical factors in location, construction, maintenance, and operation of railroad transportation systems. *Occasional.*
- TTE 5805 ECS-CECE 3(3,0)**  
**Geometric Design of Transportation Systems:** PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. *Occasional.*
- TTE 5835 ECS-CECE 3(3,0)**  
**Pavement Design:** PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. *Occasional.*
- VIC 3001 COS-COMM 3(3,0)**  
**Visual Communication:** PR: SPC 1608 or SPC 1603 or COM 1000. A study of human visual systems and influences of visual media on modern society. *Fall, Spring.*
- WOH 2012 CAH-HIST 3(3,0)**  
**World Civilization I:** A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. *Fall, Spring.*
- WOH 2012H CAH-HIST 3(3,0)**  
**World Civilization I - Honors:** PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. *Occasional.*
- 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.*
- WST 3015 CAH-WOM 3(3,0)**  
**Introduction to Women's Studies:** PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. *Fall, Spring.*
- WST 3015H CAH-WOM 3(3,0)**  
**Honors Introduction to Women's Studies:** PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. *Even Spring.*
- WST 3020 CAH-WOM 3(3,0)**  
**Girls' Studies:** PR: ENC 1102. Girls' Studies, an emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. *Occasional.*
- WST 3371 CAH-WOM 3(3,0)**  
**Women and Leadership:** PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. *Occasional.*
- WST 3460 CAH-WOM 3(3,0)**  
**Women, Race and Struggle:** PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. *Occasional.*
- WST 3460H CAH-WOM 3(3,0)**  
**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 4021 CAH-WOM 3(3,0)**  
**Girls and Leadership:** PR: ENC 1102 and WST 3020. Feminist theory and practice related to the building of leadership skills in girls. Service learning component. *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 4023 CAH-WOM 3(3,0)**  
**Virtual Girls:** PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of the role of technology in the lives of young girls. 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, multi-cultural 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 seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. *Occasional.*
- WST 5601 CAH-WOM 3(3,0)**  
**Theories in Gender Studies:** PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. *Even Fall.*
- ZOO 3701C COM-M&M 3(1,4)**  
**Human Gross Anatomy & Dissection Techniques:** PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials(specimens). The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. *Spring.* M&S fee \$70.00
- ZOO 3713C COS-BIOL 5(3,6)**  
**Comparative Vertebrate Anatomy:** PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. *Fall.* M&S fee \$65.00
- ZOO 3733C COM-M&M 4(3,3)**  
**Human Anatomy:** PR: BSC 2010C or equivalent. Structure of the human body. *Fall, Spring.* M&S fee \$15.00
- ZOO 3733H COM-M&M 4(3,3)**  
**Honors Human Anatomy:** PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. *Spring.*
- ZOO 3736C COM-M&M 4(3,2)**  
**Exercise Physiology Anatomy:** PR: BSC 2010C, C.I. Gross anatomy for exercise physiology majors. *Fall, Spring.* M&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 4205C COS-BIOL 4(3,3)**  
**Biology and Ecology of Metazoan Invertebrates:** PR: BSC 2010C, BSC 2011C, PCB 3044 or C.I. Anatomy, ecology, taxonomy, behavior, evolution, and parasitological relations of the radiates, bilateria, acoelous, pseudocoelous, schizocoelous, and enterocoelous invertebrates. *Occasional.* M&S fee \$34.00
- ZOO 4310C COS-BIOL 4(2,6)**  
**Vertebrate Evolution & Ecology:** PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. *Occasional.* M&S fee \$65.00
- ZOO 4480 COS-BIOL 4(4,0)**  
**Mammalogy:** PR: BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. *Even Spring.*
- ZOO 4513 COS-BIOL 3(3,0)**  
**Animal Behavior:** PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. *Odd Fall.*

## UCF Courses and Descriptions

**ZOO 4603C COS-BIOL 5(3,4)**  
**Embryology/Development:** PR: PCB 3063 and PCB 3023 or PCB 3522 or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. *Spring*. M&S fee \$25.00

**ZOO 4605 COM-M&M 3(3,0)**  
**Human Clinical Embryology and Congenital Malformation:** PR: ZOO 3733C. Advanced functional human clinical embryology with focus on congenital abnormalities. *Occasional*.

**ZOO 4704C COM-M&M 4(3,1)**  
**Clinical Neuroanatomy and Neuroscience:** PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. *Fall*.

**ZOO 4704H COM-M&M 4(3,2)**  
**Honors Clinical Neuroanatomy:** PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. *Occasional*.

**ZOO 4747C COM-M&M 4(3,1)**  
**Clinical Neuroscience:** PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. *Spring*.

**ZOO 4747H COM-M&M 4(3,1)**  
**Clinical Neuroscience Honors:** PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. *Spring*.

**ZOO 4753C COM-M&M 4(3,3)**  
**Vertebrate Histology:** PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. *Spring*. M&S fee \$25.00

**ZOO 5456C COS-BIOL 4(2,6)**  
**Ichthyology:** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. *Occasional*. M&S fee \$25.00

**ZOO 5463C COS-BIOL 4(2,4)**  
**Herpetology:** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. *Odd Spring*. M&S fee \$60.00

**ZOO 5475L COS-BIOL 3(0,6)**  
**Field Ornithology:** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. *Occasional*. M&S fee \$30.00

**ZOO 5486 COS-BIOL 4(4,0)**  
**Mammalogy:** PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. *Even Spring*.

**ZOO 5745C COM-M&M 4(3,3)**  
**Essentials of Neuroanatomy:** PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. *Occasional*. M&S fee \$15.00

**ZOO 5748C COM-M&M 5(3,2)**  
**Clinical Neuroanatomy:** PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. *Fall*.

**ZOO 5749C COM-M&M 5(3,2)**  
**Clinical Neuroscience:** PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. *Spring*.

**ZOO 5881C COS-BIOL 4(3,4)**  
**Fisheries Management:** PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. *Occasional*. M&S fee \$20.00



# UNIVERSITY FACULTY

The date indicates the first year of employment at the University of Central Florida.

- ABBAS, HADI**, Associate Professor of Art (1995), B.F.A., M.F.A. (Wichita State University)
- ABDALLAH, NAZIH**, Lecturer School 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 Art (1996), B.F.A., M.F.A. (University of Mississippi)
- ADAMS, JOANNE**, Visiting Instructor of Digital Media (2008), B.F.A., M.F.A. (University of Florida)
- ADAMS, KENNETH**, Professor of Public Affairs (2003), Ph.D. (State University of New York at Albany)
- ADAMS, MICHELLE**, Instructor of History (2007), B.A., M.A. (Northeastern Illinois State University)
- AHANGARI, RAHELEH**, Instructor (2007), M.D. (Carol Davila University of Medicine and Pharmacy), Ph.D. (University of Salamanca)
- AHEARN, DENNIS**, Visiting Instructor of Art (2007), B.F.A., M.F.A. (Temple University)
- AHERN, NANCY**, Assistant Professor, College of Nursing (2004), M.S.N., Ph.D. (University of Central Florida)
- AHLAM, AL-RAWI**, Visiting Professor of Physics (2010), Ph.D. (Kansas State University)
- AJAYI, RICHARD A.**, Associate Professor of Finance (1996), B.Sc., M.B.A., Ph.D. (Temple University)
- AKITA, KIMIKO**, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (Ohio University)
- AL-DEEK, HAITHAM**, Professor of Engineering (1992), B.C.E., M.S., Ph.D. (University of California at Berkeley), P.E. (Florida)
- ALABI, FORTUNE**, Courtesy Assistant Professor of Internal Medicine (2008), M.D.
- ALBERS-BIDDLE, JUNIE**, Instructor of Education (2001), B.A., M.A. (University of Central Florida)
- ALDERMAN, BARBARA**, Assistant Librarian (2002), B.A., M.S. (Florida State University)
- ALLEN, DARRYL E.**, Lecturer of Accounting (2003), B.B.A., M.B.A., Ph.D. (George Washington University)
- ALLEN, FRANK R.**, Associate Director for Administrative Services (1998), B.A., B.S., M.B.A., M.L.S. (University of Tennessee)
- ALLEN, JEFFERY W.**, Associate Professor of Marketing (1990), B.S., M.B.A., D.B.A. (University of Kentucky)
- ALLEN, KAY WILLIAMSON**, Associate Professor of Education (1990), B.S., M.Ed., Ph.D. (University of South Carolina)
- ALLEN JR., DONNY F.**, Instructor of Music (2010), B.M., M.M., D.M.A. (University of Memphis)
- ALLGOOD, JANE**, Graduate Coordinator and Assistant Professor of Social Work (2002), B.A., M.S.W., Ph.D. (Florida State University)
- ALLRED, KELLY**, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Central Florida)
- ALMEIDA, JOHN A.**, Associate Professor of Music (1997), B.M., M.A. (Appalachian State University)
- ALTOMARE, DEBORAH**, Assistant Professor (2009), Ph.D. (Rutgers, the State University of New Jersey)
- AMBROSE, MAUREEN L.**, Professor of Management (1999), B.A., A.M., Ph.D. (University of Illinois at Urbana-Champaign)
- AMIDEI, CHRISTINA**, Instructor, College of Nursing (2008), F.A.A.N., M.S.N. (Loyola University of Chicago)
- AN, LINAN**, Associate Professor of Engineering (2001), Ph.D. (Lehigh University)
- ANDERSON, RANDY, I.**, Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate (2008), B.A., Ph.D. (University of Alabama)
- ANDERSON, THADDEUS A.**, Visiting Instructor of Music (2009), B.M.E., M.M., D.M.A. (University of Texas)
- ANDREASEN, JANET**, Instructor/Coordinator of Education (2005), B.S., M.A., Ed.D. (University of Central Florida)
- ANDREWS, DIANE**, Assistant Professor, College of Nursing (2006), M.S.N., Ph.D. (University of Central Florida)
- ANGELOPOULOS, THEODORE**, Professor of Health Sciences and Secondary Joint Professor of Medicine (1998), B.S., M.S., Ph.D. (University of Pittsburgh)
- ANGLEY, PATRICIA**, Instructor of English (1998), B.A., M.A., Ph.D. (University of Hawaii)
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- APPLEN, J.D.**, Associate Professor of English (1997), B.S., M.F.A., Ph.D. (University of Arizona)
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**FIELD, MELVIN**, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners

**FOLSE, KEITH**, Secondary Joint Associate Professor (2009), M.A., Ph.D. (University of South Florida)

**FRANKLIN, RAYMOND**, Clinical Faculty, MLS, Department of Molecular Biology and Microbiology; Courtesy Assistant Professor of Pathology (University of Texas)

**FRIEDMAN, DAVID**, Courtesy Adjunct Professor of Biology (2007)

**FRISTROM, JAMES W.**, Courtesy Research Professor of Biology (2004), B.A., Ph.D. (Rockefeller University)

**FULLERTON, STUART**, Biological Research Associate (1995), B.S. (University of Central Florida)

**GARIBAY, IVAN**, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007), Ph.D. (University of Central Florida)

**GARLAND, JAY**, Associate Research Professor of Biology (2002), B.S., M.S., Ph.D. (University of Virginia)

## Courtesy Appointments

- GESQUIERRE, ANDREO**, Secondary Joint Assistant Professor of FSEC (2009), B.S., Ph.D. (Catholic University of Leuven)
- GHAMARI-TABRIZI, SHARON**, Courtesy Research Associate (2009), Ph.D. (University of California)
- GOLDBERG, STEVEN**, Courtesy Associate Professor of Psychology; Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo)
- GOLDIEZ, BRIAN**, Deputy Director and Principal Investigator of the Institution of Simulation and Training and Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (2006), B.S., M.S., Ph.D. (University of Central Florida)
- GOODMAN, IRA**, Courtesy Associate Professor Biomolecular Science Center (2006), B.S., M.D. (Medical College of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology)
- GOODWIN, KENNETH**, Courtesy Assistant Director, Career Services and Experiential Learning (2006)
- GORDIN, PATRICIA**, Courtesy Adjunct - Educational Research, Technology & Leadership (2007)
- GORHAM, JAYNE S.**, Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)
- GUARDA, LUIS A.**, Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology (2005), M.D. (University of Chile)
- 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. (2004), 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 School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
- HICKMAN, JAMES**, Secondary Joint Professor (2009), M.S., Ph.D. (Massachusetts Institute of Technology)
- HIGBEE, RUSSELL**, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)
- HILL, DON-MICHAEL**, Courtesy Adjunct Instructor (2010), B.M. (Curtis Institute of Music)
- HOLSENBECK, DANIEL**, Courtesy Professor of Communication (2009), B.S., Med., Ph.D. (Florida State University)
- HORN, GORDON**, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., M.A., Ph.D. (Saint Louis University)
- HUANG, XU**, Courtesy Visiting Scholar (2007), B.S., M.B.A., Ph.D. (Southwestern University of Finance and Economics)
- HUBSCH, TRISTAN**, Courtesy Graduate Faculty Scholar (2009), BS, PhD (University of Maryland)
- HUSSIAN, 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)
- JEDLICA MORRIS, LORI**, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)
- JOHNSON, NANCY M.**, Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)
- KACHURIN, ANATOLY**, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), Ph.D. (Russian Academy of Science, St. Petersburg Nuclear Physics Institute)
- KAPLAN, MICHAEL**, Professor of Psychology Ph.D. (Columbia University)
- KAPOOR, 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 B.A., M.A., Ph.D. (University of Rochester)
- KENNY, 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), B.S., M.S., Ph.D. (Pennsylvania State University)
- KINCAID, J. PETER**, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education B.A., M.A., Ph.D. (Ohio State University)
- KRUPP, LINDA**, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)
- KUCHMA, MELISSA**, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)
- KYLE, TIFFANY LINKOVICH**, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)
- LEE, HAEJONG**, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)
- LEHMAN, JEFFREY**, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), (University of Wisconsin)
- 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)
- LIKAMWA, PATRICK, L.**, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)
- LILIE, JOYCE R.**, Associate Professor of Political Science (1985), B.A., M.A., Ph.D. (Johns Hopkins University)
- LOGALBO, ANTHONY**, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., M.A., Ph.D. (University of Alabama at Birmingham)
- LOUGHNER, BARRY A.**, Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)
- LUPO, GIOVANNI**, Thesis Committee 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), B.S., M.S., Ph.D. (University of Washington)
- MASRI, ADDAM**, Nursing Thesis Committee Courtesy (2010), M.D. (University of Florida)
- MASUNOV, ARTEM**, Secondary Joint Assistant 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
- MCPHERSON, BRENDA**, Faculty Associate, Educational Studies (2003)
- MEDIN, A. LOUIS**, Professor of Engineering Ph.D. (Ohio State University)
- MEEKS, SANFORD**, Courtesy Graduate Faculty Scholar (2009), BS, MS, PhD (University of Florida)
- MELLEN, JILL**, Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)
- MENGES, ERIC**, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)
- MIHAI, FLORIN**, Secondary Joint Assistant Professor (2009), M.S., Ph.D. (The Florida State University)
- MILLS, HARRY**, Courtesy Clinical Assistant Professor of Psychology (2009), PhD (University of Southern Mississippi)
- MILLS, LARRY**, Nursing Thesis Committee Courtesy (2010), D. Min. (Bethany Theological Seminary)
- MUNDY, CAROL**, Courtesy Culture Keeper (2009)
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- NADLER, JODI**, Courtesy Clinical Assistant Professor of Psychology (2009), BA, PhD (Nova University)
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- ODELL, DANIEL KEITH**, Professor of Biology (1994), B.S., M.A., Ph.D. (University of California, Los Angeles)
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- PARKINSON, CHRISTOPHER**, Assistant Professor of Biology (2000), Ph.D. (University of Louisville)
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- PROVENCHER, DAVID**, Courtesy Faculty Research Associate (2009), BSE (University of Central Florida)
- PURMENSKY, KERRY**, Secondary Joint Associate Professor (2009), M.S., Ph.D. (Southern Illinois University)
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- REDFOOT, WILLIAM**, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)
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- RIVERS, ROSE**, Nursing Thesis Committee (2010), Ph.D. (University of Florida)
- RONEN, ADI**, Visiting Researcher (2010), Ph.D. (University of Negev)
- SALISBURY, BRIAN**, Courtesy Adjunct Faculty - Art (2008)
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- SCHULTE, ALFONS**, Secondary Joint Associate Professor of Optics & Photonics. (2004), Dr. rer. nat. (Technische Universitaet Munich)
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- SHERMAN, JAY DAVIN**, Courtesy Adjunct Instructor (2006), Ph.D. (Texas A&M University)
- SHI, RONGSHENG**, Courtesy Visiting Scholar (2010), M.A. (Jinan University)
- SHUGAN, STEVE**, Professor, Marketing (2003), (Northwestern University)
- SHUMAKER, RANDALL P.**, Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Pennsylvania)
- SILFVAST, WILLIAM**, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)
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- SINGER, MICHAEL JAMES**, Courtesy Faculty Associate, Psychology (2005), B.A., M.S., Ph.D. (University of Maryland)
- SMITH, STEVEN**, Courtesy Professor of Biomedical Sciences (2010), M.D. (University of Texas)
- SOILEAU, M. J.**, Secondary Joint Professor Department of Electrical Engineering and Computer Science (2004), Ph.D. (University of Southern California)
- SOLTIS, JOSEPH**, Courtesy Research Assistant Professor of Biology (2004), B.A., M.A., Ph.D. (University of California, Los Angeles)
- SORLOACIA-HICKMAN, NICOLETA**, Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology (2008), Ph.D., M.S., (Clemson University)
- STANNEY, KAY**, Courtesy Faculty (2010), Ph.D. (Purdue University)
- STEPHAN, MICHELLE**, Courtesy Graduate Faculty Scholar (2009), B.S., M.S., Ed.D. (Vanderbilt University)
- STERN, ALAN**, Courtesy Graduate Faculty Scholar (2009), B.S., B.S., M.S., Ph.D. (University of Colorado)
- STERN, JONATHAN S.**, Assistant Professor of Biology (2002), B.A., M.A., Ph.D. (Texas A&M)
- STEWART, DUANE**, Secondary Joint Assistant Professor of Medical Education (2007), Ph.D.
- STOLEN, ERIC**, Courtesy Assistant Research Professor of Biology (2010), B.S., M.S., Ph.D. (University of Florida)
- STREFELER, JAMIE**, Courtesy Adjunct Instructor (2009), B.M., M.M. (University of South California)
- SUKTHANKAR, RAHAL**, Courtesy Research Scientist of Electrical Engineering & Computer Science (2007), Ph.D. (Carnegie Mellon University)
- SULLIVAN, JEROME L.**, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (University of Florida College of Medicine)
- SUMMY, JUSTIN M.**, Courtesy Assistant Professor (2007), Ph.D. (West Virginia University)
- SWEENEY, PAUL D.**, Professor of Psychology (1999), M.S., Ph.D. (Indiana University)
- THEIS, ELIZABETH**, Courtesy Instructor (2010)
- THOMPSON, CHARLES**, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (University of Miami School of Medicine)
- VAHAMAA, SAMI**, Finance Visiting Scholar (2010), Ph.D. (University of Vaasa)
- VALDES, EDUARDO V.**, Associate Research Professor of Biology (2002), M.S., Ph.D. (University of Guelph)
- VAN STRYLAND, ERIC W.**, Dean and Director, Professor of Optics (1987), B.S., Ph.D. (University of Arizona)
- VITANOVA, GERGANNA**, Secondary Joint Associate Professor (2009), M.A., Ed.D. (University of Cincinnati)
- WARREN, WILLIAM**, Courtesy Associate Professor of Molecular Biology and Microbiology (2006), Ph.D. (Pennsylvania State University)
- WASHINGTON, KEVIN**, Courtesy Consultant, Internal Title: Professional Development Appointee (2009), Ph.D. (Texas A & M University)
- WATSON, STEPHEN M.**, Secondary Joint Assistant Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (University of Nottingham)
- WEEKS, ARTHUR**, Secondary Joint Associate Professor of Optics & Photonics. (2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)
- WESTERVELD, MICHAEL**, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., Ph.D. (Fairleigh Dickinson University)
- WHEELER, RAYMOND**, Professor, Biology (2003), (Utah State University)
- WHITCOMB, CARRIE**, Professor of Forensic Science (1999), B.S., M.S.F.S. (George Washington University)
- WIEGAND, RUDOLF**, Secondary Joint Assistant Professor of Electrical Engineering and Computer Science (2007), Ph.D. (George Mason University)
- WILLIAMS, LANA**, Courtesy Assistant Professor (2010), Ph.D. (University of Western Ontario)
- WILLIS, JAYNE**, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of Florida)
- WITHERINGTON, BLAIR ERNEST**, Research Assistant Professor, Biology (1999), B.S., M.S., Ph.D. (University of Florida)
- WOCJAN, PAWEL**, Secondary Joint Assistant Professor (2009), MS, Ph.D. (University of Karlsruhe)
- WONG, BRIGHT**, Courtesy Associate Professor of Biomolecular Science (2006), B.S., M.D. (Boston University School of Medicine)
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- WU, THOMAS XINZHANG**, Secondary Joint Associate Professor (2009), BS, MS, PhD (The Moore School of Electrical Engineering)
- YOUNT, JIM**, Courtesy Adjunct Instructor, Educational Studies (2007), Ph.D. (Florida Institute of Technology)
- ZARDA, P. RICHARD**, Research Professor of Mechanical Engineering B.A., B.S., M.S., Ph.D. (Columbia University)
- ZHAI, LEI**, Secondary Joint Assistant Professor FSEC and MMAE (2009), B.S., M.S., Ph.D. (Carnegie Mellon University)
- ZHANG, NING**, Secondary Joint Assistant Professor (2009), MPA, MD, PhD (Virginia Commonwealth University), Shandong Medical University
- ZHAO, JIM JIAN**, Clinical Faculty, Health Services Administration (2003), M.B.A., M.D., Ph.D. (Oxford University)
- ZHOU, HUIYANG**, Courtesy Faculty (2010), B.S., M.S., Ph.D. (North Carolina State University)

## 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)
- ABRAMSON, ALLEN**, Director, Human Resources, College of Medicine (2007), B.A. (Indiana University)
- ARCHER, SANDRA**, Director, University Analysis and Planning Support (2004), B.A., M.S., Ph.D. (University of Central Florida)
- AZURE, BEVERLY**, Director, Academic Services (2000), B.S., M.A. (University of Central Florida)
- BALANOFF, JANET P.**, Director, Equal Opportunity and Affirmative Action Programs (1980), B.S.J., M.S.P.A. (Florida State University)
- BAMBERGER, ALICE**, Director (2003), B.A., M.S. (Iona College)
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- BERRY, ANDREA**, Director, Faculty Development, College of Medicine (2009), M.P.A.
- BERSIA, JOHN**, Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)
- BISHOP, PATRICIA J.**, Vice Provost and Dean, College of Graduate Studies, and Professor of Engineering (1978), B.S.E., M.S.M.E., Ph.D. (Purdue University), P.E. (Florida)
- BOHLEN, PATRICK**, Director, Landscape & Natural Resources (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**, Director, Fraternity and Sorority Life (2004), B.S., M.S. (Western Illinois University)
- BOYD, BRIAN**, University Registrar (2009)
- BRADFORD, DEBORAH**, Director, Enrollment Services, UCF Regional Campuses (2010)
- BRADLEY, LINDA**, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)
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- BULGER, SANDRA**, Director of Undergraduate Services (1989), B.A., M.A. (University of Central Florida)
- CHANDIA, NATALY**, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)
- CHASE, DIANE Z.**, Executive Vice Provost for Academic Affairs, University Pegasus Professor, and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)
- CHAVIS JR., GORDON D.**, Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)
- CHEREPOW, SANDRA M.**, Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)
- CLARK, TRACY**, University Controller (2007), B.B.A., J.D. (University of Cincinnati)
- COLE, W. SCOTT**, Vice President & General Counsel (2002), B.S., J.D. (University of Florida)
- DeEMER, BARRY**, Director, Facilities Planning (2010), B.D., M.BCN (University of Florida)
- DONEGAN, HELEN**, Vice President for Community Relations (1995), B.A. (San Jose State University)
- DORMAN, TERESA**, Assistant Dean, College of Sciences (1996), B.S., M.A., E.Ed. (UCF)
- DORNER, JOYCE E.**, Interim Vice Provost of Regional Campuses (1980), M.S.N. (University of Florida)
- DRESSLER, SHERI**, Director, Experiential Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)
- DZIUBAN, CHARLES D.**, Director, Research Initiative for Teaching Effectiveness, and Professor Emeritus of Education (1970), B.S., M.Ed., Ph.D. (University of Wisconsin)
- EHASZ, MARIBETH**, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)
- EKERN, SHARON L.**, Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)
- EXUM, TERRY**, Director, Student Services, Southern Region (2006), B.S., M.A. (Louisiana Tech University)
- FERNANDEZ, JOSE**, Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (The Florida State University)
- FORTIER, VANESSA**, Associate Vice President, Finance (1998), B.S.B.A., M.B.A. (University of Central Florida)
- GARDNER, DAN**, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)
- GERBERT, MATTHEW**, Director, Knowledge Management, College of Medicine (2008), Ph.D. (University of Central Florida)
- GERMAN, DEBORAH C.**, Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)
- GLASPIE, HENRY**, Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)
- GONZALEZ, LYNN**, Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)
- GRAY, BETSY L.**, Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)
- GUMBLE, MARK**, Director, Academic Services for Student Athletes (2005), B.A., M.A. (Binghamton University)
- HALL, RHONDA C.**, Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)
- HALL, THOMAS**, Director, Alcohol & Other Drug Programming (1991), B.S., M.S. (Florida State University)
- HALPIN, SUZANNE M.**, Director, Student Union (1998), B.S. (Bentley College)
- HANSEN, LYNN**, Executive Director, Career Services (2010), A.A., B.S., M.Ed. (University of West Florida)
- HARMS, ALFRED G.**, Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)
- HARTMAN, JOEL L.**, Vice Provost, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)
- HARTZLER, CHRISTI A.**, Director, Housing and Residence Life (1982), B.A., M.Ed. (University of Miami)
- HELMS, TERENCE K.**, Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)
- HENRY, KIRK**, Director I.T. Services, UCF Regional Campuses (2010)
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- 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)
- HUFF-CORZINE, LIN**, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), R.N., B.A., Ph.D. (Washington University in St. Louis)
- JACKSON, JOHN**, Director Environmental Health & Safety (2002), B.S. (Auburn University)
- JACKSON, WAYNE**, Director, Multicultural Academic and Support Services (1981), B.A., M.A. (Dallas Theological Seminary)
- JAFFE, LARRY**, Director, Technologies and Facilities (2003), B.S., M.B.A., M.S., Ed.S. (Rutgers University)
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- 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 Central Florida)
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- KING, VALARIE G.**, Director, Diversity Initiatives (1989), B.A., M.Ed., Ph.D. (The American University, Washington, DC)
- KITTINGER JR., FRED R.**, Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)
- LANCEY, PATRICE**, Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)
- LANEY, DAVID**, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008)
- LARKIN, ROBERT**, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)
- LARTONNOIX, PAUL F.**, Assistant Dean of Research and Academic Issues B.A., M.F.A. (Lindenwood University)
- LAUREANO, GLORIA**, Assistant Vice President, Student Development and Enrollment Services (1996), B.A., M.A., Ed.D. (University of Central Florida)



- LEINSING, DONNA**, Executive Director/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)
- MacKOWN, PATRICIA A.**, Assistant Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)
- MADSEN, RUTHANNE**, Director, Financial Services, College of Medicine (2007), M.B.A., Ed.D. (Nova Southeastern University)
- MAJOR, ANTHONY**, Director, Zora Neale Hurston Institute (2007), B.A., M.F.A. (New York University)
- MALARET, STACEY**, Director, Student Leadership Development (2001), B.A., M.A., Ed.D. (University of Central Florida)
- MARRETT, CAROLINE**, Director, Toni Jennings Exceptional Education Institute (2007), B.S., M.A., Ph.D. (University of Central Florida)
- MASON, GREGORY S.**, Director, Fraternity & Sorority Housing and Development (1990), B.A., M.S. (Indiana University)
- McCLOUD, REBEKAH**, Director, Student Development and Enrollment Services PRIME STEM Student Support Services Program (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 Healthrow 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 (2006), Ph.D. (Texas Christian University)
- MONROE, JUDITH E.**, Associate Vice President, University Support (1978), B.S., M.A. (University of Central Florida)
- MOORE, RHONDA**, Director, Creative School for Children (2009)
- MULLALLY, KAY**, Security Officer, Certified Facility Security Officer (Defense Security Service) (1986)
- NEIGHBOR, J. EDWARD**, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
- NORVELL, DAVID**, Director, Sustainability and Energy (2008)
- O'NEAL, THOMAS P.**, Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)
- CONNELL, 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)
- OMLI, STEVE**, Director, Finance and Accounting, College of Medicine (2008), M.B.A. (University of North Carolina)
- ORO, GLENNA**, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)
- PATES, PATRICIA**, Director, Research, Grants, and Evaluation (1996), B.A., M.A., Ed.S. (University of Louisville)
- PAVLONNIS, DAVID L.**, Assistant Vice President and Director, SDES-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.**, 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)
- PERRY, ANTHONY**, Director, Rosen College of Hospitality Management Student Life (2002), B.A., M.Ed., M.S. (University of Louisville)
- PETERSON, ANGELA**, Associate Vice President, Regional Campuses, Enrollment Services, and Marketing and Outreach (2005), B.S., M.S. Ed. (Pittsburg State University)
- PETKOV, ANA**, Director, Constituent Relations (2008)
- PIETY, REBECCA**, Director, University Testing Services (1998), B.A., M.A. (University of Central Florida)
- PITTMAN, JOHN**, Director, Financial Services (2000), B.S., M.S. (University of Central Florida)
- POOLE, MAX C.**, Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)
- PRESTON, MICHAEL**, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University - Carbondale)
- PRIEST, DeLAINE**, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)
- PUSKAS, RAYMOND**, Director, Purchasing (1988), B.A. (University of Connecticut)
- RANGE, A. J.**, Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)
- RATTI, BARBARA B.**, Inspector General (1971), B.A., M.B.A., Ph.D. (University of Central Florida)
- REA, PAMELA**, Director, Student Disability Services (2000), B. A., M.Ed. (National-Louis University)
- REDDICK, 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)
- RITCHIE, JOE**, Executive Director, First Year Experience (2000), B.A., M.A. (Indiana University of PA)
- RIVERS, CECELIA H.**, Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Central Florida)
- ROBERTS, MARK A.**, Chief Human Resources Officer (1986), B.A., M.A. (Central Michigan University)
- SAWYER, CURTIS**, Director, Business Services and Knights Plaza (2008)
- SCHELL, JOHN F.**, Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)
- SCHNEIDER, KIMBERLY**, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)
- SCHONS, EDWARD L.**, Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)
- SCHUCKMAN, GREGORY A.**, Assistant Vice President, Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)
- SCIARRINO, JOSEPH**, Director, Activity and Service Fee Business Office (1990), B.S.B.A. (University of Central Florida)
- SELIM, 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 & Transportation Services (2009)
- SMITH, SORAYA**, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)
- SNOW, ROBERT**, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)
- SOILEAU, MARION J.**, Vice President, Research & Commercialization and Professor of Optics & EECS (1987), B.S., M.S., Ph.D. (University of Southern California)
- STEBBINS, CONSUELO**, Assistant Vice President for Internationalization (1987), B.A., M.A., Ph.D. (The Florida State University)
- STEGALL, SCOTT**, Director, Facilities Planning (2009)
- STERN, MICHAEL J.**, Associate Dean, College of Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley)
- STINARD, CHARLENE**, Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University)
- SUCHER, CYNTHIA**, Associate Vice President, Community Relations (2006), B.A. (University of Central Florida)
- SULLIVAN, LINDA**, Director, Enterprise Decision Support (2000), B.P.A., M.B.A.A., Ed.D. (University of Central Florida)
- SWEENEY, MICHAEL J.**, Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
- SWEET, HAVEN C.**, Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
- THOMAS, CARLEE**, Director, Development, Burnett School, College of Medicine (2008), M.A. (University of Central Florida)
- TOMEI, LANCE**, Director of Assessment, Accreditation, and Data Management (2000), B.A., M.B.A., MSST, Ed.D. (University of Central Florida)
- TREES, DIANE**, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)
- TRIBBLE, KEITH**, Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida)
- TRIVEDI, SHREYA**, University Ombuds Officer (2011)
- TRUMAN, BARBARA**, Director, Course Development and Web Services (1996), B.A., M.A. (University of Central Florida)
- VAIDYANATHAN, PALLAVOOR N.**, Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

## UCF Administrative Officers and Staff

**VAZQUEZ, JOSE**, Interim Director, Environmental Health and Safety

(1994), B.A., M.A. (University of Wyoming)

**VITTES, M. ELLIOT**, Interim Vice Provost and Dean of Undergraduate Studies and Associate Professor of Political Science

(1983), B.A., M.A., Ph.D. (University of Massachusetts)

**VOELKER, AMY**, Executive Director, University Audit

(1990), B.S., M.P.A. (University of Central Florida)

**WALDROP, TONY**, Provost and Vice President

(2010), B.A., M.A., Ph.D. (University of North Carolina, Chapel)

**WALTON, ROXANNE**, Director, Human Resources

(2002), B.S. (Stetson University)

**WATSON, JIMMY L.**, Assistant Vice President, Off Campus Student Services

(1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)

**WATSON, MONTEL J.**, Director, Facilities Operations

(1994), B.A., M.B.A. (Loyola University of Chicago)

**WEIDMAN, DIANA**, Director, Student Services, Eastern Region

(1984), B.S., M.A., Ed.D. (University of Central Florida)

**WELCH, KERRY**, Assistant Vice President, Student Development and Enrollment Services

(2004), B.A., M.A., Ed.D. (University of Cincinnati)

**WILKENING, JAMES**, Director, Recreation and Wellness Center

(1992), B.S.B.A., M.A.T. (University of Louisville)

**WINTER, DEBRA Y.**, Director, Office of Graduate Financial Assistance and Publications

(1996), B.A., M.A., Ph.D. (University of Central Florida)

**WIRAG, J. ROBERT**, Director, Health Services

(2006), B.S., M.S., H.S.D. (Indiana University)

**WITHINGTON, ANDREA**, Director of Graduate Services

(2000), B.S., M.A. (George Washington University)

**WRIGHT, JENNIFER**, Director, Dispute Resolution Services

(2001), A.A.S., B.S.B.A., M.A. (Appalachian State University)

**YANCKELLO, ROBERT**, Director, Computer Services and Telecommunications

(2004), B.S., M.Ed., (Pennsylvania State University)

**YOUNG, DENISE L.**, Associate Vice President and Director UCF Cocoa and UCF Palm Bay

(1990), B.A., M.S.W., Ph.D. (University of Michigan)

**ZUGELDER, BRYAN**, Director of Clinical Experiences

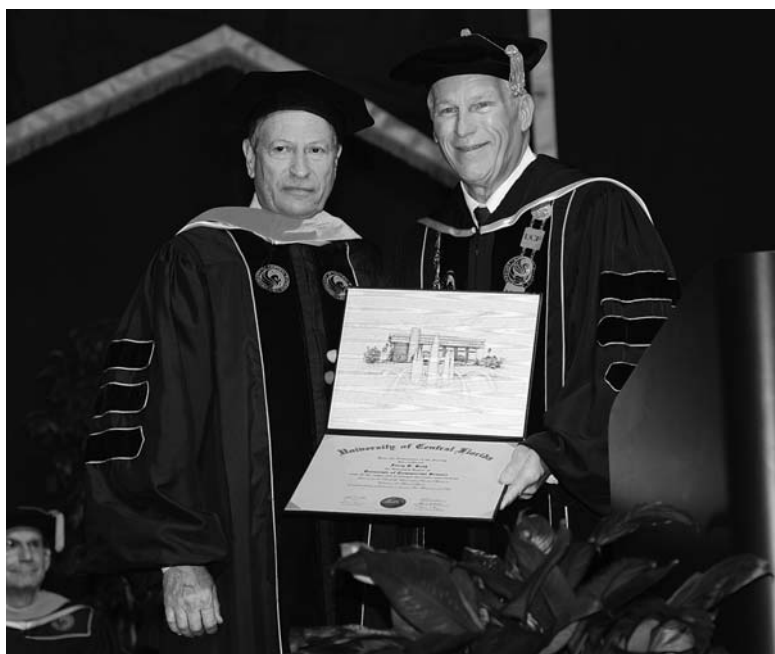
(2005), B.S., M.S., M.A., Ed.D. (Nova Southeastern University)





# HONORARY DEGREES AWARDED

December 1969	Kurt H. Debus, Doctor of Engineering Science William H. Dial, Doctor of Commercial Science	May 1992	Robert Bryan, Doctor of Humane Letters
June 1970	John W. Young, Doctor of Applied Sciences	May 1993	Buell G. Duncan, Jr., Doctor of Commercial Science
March 1973	Louis C. Murray, Doctor of Public Service	May 1995	Norman R. Augustine, Doctor of Engineering Science
August 1974	Fred C. Clayton, Doctor of Professional Engineering	December 1995	Jesse Stone, Doctor of Humane Letters
August 1978	Richard F. Livingston, Doctor of Business Administration	April 1996	Nicolaas Bloembergen, Doctor of Science
June 1979	Albert F. Hegenberger, Doctor of Engineering Science	December 1996	Richard A. Nunis, Doctor of Public Service
December 1979	Lee R. Scherer, Doctor of Engineering Science	May 1997	Maxwell C. King, Doctor of Public Service
June 1980	Joseph Daniel Duffey, Doctor of Humane Letters	August 1998	Joe R. Lee, Doctor of Commercial Science
June 1980	Thelma Vivian Jackson Dudley, Doctor of Humanities	December 1998	Trevor Colbourn, Doctor of Humane Letters
December 1981	Howard Phillips, Doctor of Public Service	December 1999	Linda W. Chapin, Doctor of Public Service
April 1982	Gene Burns, Master of Letters	December 1999	Archbishop Desmond Tutu, Doctor of Humane Letters
April 1982	Robert J. Whalen, Doctor of Engineering Science	May 2000	President Oscar Arias, Doctor of Humane Letters
July 1982	Andrew Duda, Jr., Doctor of Agricultural Service	May 2001	Reubin O'D. Askew, Doctor of Public Service
July 1982	Ferdinand Duda, Doctor of Agricultural Service	May 2001	Lotfi Zadeh, Doctor of Science
July 1982	John Duda, Doctor of Agricultural Service	May 2002	Richard M. Karp, Doctor of Science
December 1982	Mary Jo Davis, Doctor of Public Service	October 2002	Joseph F. Traub, Doctor of Science
July 1983	William E. Davis, Doctor of Public Service	December 2002	LeRoy T. Walker Sr., Doctor of Public Service
December 1984	Joseph A. Boyd, Doctor of Engineering Science	December 2004	James Bacchus, Doctor of Public Services
July 1983	J. W. Hubler, Doctor of Engineering Science	December 2004	Richard M. DeVos, Sr., Doctor of Commercial Science
December 1984	Charles Wadsworth, Doctor of Public Service	December 2004	Nancy Burnett, Doctor of Commercial Science
May 1985	Allan E. Gotieb, Doctor of Laws	December 2005	Albert Burnett, Doctor of Commercial Science
May 1985	George J. Becker, Jr., Doctor of Public Service	May 2005	Robert E. Kahn, Doctor of Science
May 1985	Jerry Collins, Doctor of Public Service	March 2006	G. Vince Amico, Doctor of Science
May 1985	D. Robert Graham, Doctor of Public Service	December 2006	Lester Mandell, Doctor of Commercial Science
May 1985	Walter O. Lowrie, Doctor of Engineering Science	May 2007	Harriet Elam-Thomas, Doctor of Public Service
May 1985	William C. Schwartz, Doctor of Engineering Science	December 2008	Anibel Acevedo Vila, Doctor of Public Science
March 1986	Isaac Bashevis Singer, Doctor of Letters	May 2009	Rita Bornstein, Doctor of Humane Letters
October 1988	Elie Wiesel, Doctor of Letters	December 2009	Charles Hard Townes, Doctor of Science
December 1988	Sven Caspersen, Doctor of Engineering Science	December 2009	Robert Vander Weide, Doctor of Commerce
December 1988	John D. Holloway, Doctor of Public Service	December 2009	Howard Lance, Doctor of Science
December 1988	Wolfgang-Detlef Petri, Doctor of Commercial Science	December 2009	Jerry S. Roth, Doctor of Commercial Science
May 1989	Frank M. Hubbard, Doctor of Public Service		
May 1989	David Albertson, Doctor of Humane Letters		
May 1989	William S. Jenkins, Doctor of Humane Letters		
May 1989	James C. Robinson, Doctor of Public Service		
May 1989	Charles N. Millican, Doctor of Laws		
May 1990	Helen Harris Perlman, Doctor of Humane Letters		
May 1990	Thaddeus Seymour, Doctor of Letters		
May 1991	Road Hoffman, Doctor of Science		



# UCF GLOSSARY

**A.A.:** associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

**Accreditation:** certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

**ACT:** American College Testing program is used for undergraduate admission purposes.

**Add:** online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (<https://my.ucf.edu>) by adding courses. Students should check the appropriate term's Web Enrollment Guide for details.

**A.S.:** associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

**ASSA:** Academic Services for Student Athletes.

**Audit (course):** to attend classes without receiving academic credit.

**Audit (Degree):** computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at <https://my.ucf.edu>. (See also "Degree Audit")

**BA:** Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

**Baccalaureate or Bachelors Degree:** completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

**BHC:** Burnett Honors College

**Breaking Catalog:** loss of eligibility to follow graduation requirements in a specific catalog.

**BSBS:** Burnett School of Biomedical Sciences.

**CAH:** College of Arts and Humanities.

**Catalog:** resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at <http://www.catalog.sdes.ucf.edu>.

**Catalog Year:** the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

**CBA:** College of Business Administration.

**CECS:** College of Engineering and Computer Science.

**CED:** College of Education.

**Certificate:** special program of study supplemental to a major.

**CI:** 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.

**CLAS:** College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

**CLAS Alternative:** refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

**COHPA:** College of Health and Public Affairs.

**College:** collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education (CED), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

**COM:** College of Medicine.

**Common Course Numbering:** the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

**Common Program Prerequisite:** the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied 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.

**E-mail:** primary official means of communication with students regarding University business and information.

**Enrollment:** the act of registering in classes. This may be done through myUCF at <https://my.ucf.edu>, kiosk and in limited circumstances at the colleges' advising offices.

**Enrollment Certification:** an official University document that provides a student's enrollment history including status, dates enrolled, and degrees awarded, available online at <https://my.ucf.edu> in Student Self Service.

**Equipment Fee:** a charge associated with some majors to cover the use and replacement of equipment.

**Excluded:** a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See "Readmission" for details.

**Fee Invoice:** a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at <https://my.ucf.edu> in Student Self Service.

**Freshman and Sophomore Courses:** lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

**FTIC:** abbreviation for "First Time In College," referring to those students who currently are in their first term as a UCF college student after high school.

**Full-Time Course Load:** for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

**FYAE:** First Year Advising and Exploration.

**GEP:** General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student's life.

**Gordon Rule:** requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of "C-" (1.75) or better.

**GPA:** "Grade Point Average": the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

**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 entry for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

**Incomplete:** grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

**Junior and Senior Courses:** upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

**Kiosk:** stand-alone PCs located in UCF public areas providing access to student records and general information.

**Limited Access:** certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

**Lower Level Courses:** courses with a number of 1000-2999 (not less than 1000).

**Major:** group of related courses that constitute a focused program of study in a specific area of knowledge.

**MASS:** Multicultural Academic and Support Services

**Material and Supply Fee:** a charge associated with some courses to cover items consumed within the class.

**MEP:** Major Exploration Program to assist students are undecided about a major.

**Minor:** a complement to a bachelor's degree program/ major requiring at least 18 credit hours in a field.

**myUCF:** the UCF/student information portal online at <https://my.ucf.edu>. myUCF is a powerful, security-encrypted, PID (Personal Identification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent/ mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the "Degree Audit," obtain the registration appointment day and time for each term, print a "Fee Invoice," pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

**NID:** Network Identification Number that students use to log in to web courses and UCF computer labs.

**Nursing:** College of Nursing.

**Overall GPA:** cumulative GPA of UCF and transfer course work.

**Password:** a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal Identification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

**Pending Status:** category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

**PID:** (Personal Identification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks.

**PR:** prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

**Probation:** action taken when a student's UCF overall GPA drops below 2.0.

**Readmission:** reapply to the Registrar's Office after an absence of two or more terms.

**Registration:** the act of enrolling in classes. This may be done through myUCF at <https://my.ucf.edu>, kiosk and in limited circumstances at the colleges' advising offices.

**Repeat Surcharge:** additional fee applied when a student enrolls in the same course three or more times.

**Restricted Access:** a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

**Restricted Electives:** a specified group of courses within a major from which students must make selections.

**Retention:** a term used to describe students' continued enrollment at the University until successful completion of their educational goals.

**RHM:** Rosen College of Hospitality Management

**SARC:** Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

**SAT:** Scholastic Assessment Test is an assessment used for University admission purposes.

**Satisfactory Academic Progress:** a general eligibility requirement for financial assistance. (see the "Student Financial Assistance" section of this Undergraduate Catalog.)

**Second Bachelors Degree:** awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

**Section:** refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: There may be 40 different sections of ENC 1101 offered within a term.

**Sequence:** a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

**SSYC:** Sophomore & Second Year Center

**STEP:** State Tuition Exemption Program

**Student Success Center:** advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

**SUS:** State University System. All eleven Florida public universities are part of the SUS.

**Term:** the academic year at UCF is divided into segments called "terms" (also called "semesters"). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them "quarters." UCF is on the semester system; however, we usually speak of "Fall Term," "Spring Term," or "Summer Sessions."

**Term GPA:** grade point average (GPA) on work attempted during any given term.

**Third Attempt Charge:** see "Repeat Surcharge."

**Track:** one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

**Transcript:** official academic record mailed from the Registrar's Office.

**TSD:** Time Shortened Degree or Accelerated Education Opportunities.

**TSR:** Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

**Transient Student:** a UCF student enrolled in courses at another regionally-accredited institution.

**UCF Regional Campus System:** UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

**UCF GPA:** grade point average (GPA) on all work attempted while in attendance at UCF.

**Upper Level Courses:** courses with a course number of 3000-4999.

**VARC:** Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

**Web Enrollment Guide:** online at <http://registrar.ucf.edu/wegl>. 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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