The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The essence of education is a capacity for and appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a sense of love for learning, and an understanding of the means that scholars have used in their search for beauty and order in the natural world.

The education provided by the disciplines of the Arts and Sciences is the foundation upon which the lives and professions of our students are built, and the basis from which personal growth occurs. The College of Arts and Sciences takes as its goal a melding of the natural, humanistic and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our universe.

Great universities provide direction for their communities and service for their needs. The faculty of the Arts and Sciences as well as the staff, who support and encourage their work, explore their scholarly interests within the home and community created by the academic society. It is the responsibility of scholars to share their discoveries for the betterment of society. Thus, the Arts and Sciences embrace disciplines that strive to make immediate use of knowledge in the service of social goals as well as disciplines whose discoveries contribute to the fund of basic information that is the stepping stone of applied knowledge.

**General Information**

The College of Arts and Sciences Dean’s Office is located in Cooper Hall (CPR), Room 107. For additional information about the College, visit our web site at [http://www.cas.usf.edu](http://www.cas.usf.edu). Information regarding advising, admission to the College, graduation requirements, special programs, and departments follows.

**Community Initiative**

Universities have become major actors in today’s knowledge-based society. As such they can no longer remain secluded ivory towers, removed from the social problems that surround them. Recognizing this, the College of Arts and Sciences launched the Community Initiative, a new focus that identifies the community outside the university as an integral part of its educational mission to acquire, disseminate, and apply knowledge. The Community Initiative develops concrete and integrated efforts to link the teaching, research, and service components of our College with the interests and needs of residential, community-based organizations and businesses in the local area. Two major components of the Community Initiative are the Urban Studies Certificate Program and the Community Experiential Learning (CEL) Program. The Urban Studies Certificate gives students the opportunity to supplement their education and training with a focus on the urban world around them. Through the Community Experiential Learning (CEL) Program, students can explore the relationship between their classroom learning and the broader community as they do community-based independent research or internships.

**Undergraduate Advising Information**

Advising in the College of Arts and Sciences is provided by professional academic advisors closely associated with the department of their major. For a list of advisors, consult “Academic/Students” on the College of Arts and Sciences web page at [http://www.cas.usf.edu](http://www.cas.usf.edu). The Arts and Sciences Office of Graduate and Undergraduate Studies, located in the Behavioral Science Building (BEH), Room 201, (813) 974-6957, handles all student-related academic matters. Advising for Pre-Health Professions is provided through the Office of Graduate and Undergraduate Studies, USF Tampa, and is located in the Natural Sciences and Mathematics Advising Center.

The Arts and Sciences Office of Graduate and Undergraduate Studies is open 8 a.m. to 5 p.m. Monday through Friday. Academic advisors and major departments should be contacted directly to obtain information about office hours and appointment availability. Students are also encouraged to utilize the College’s on-line advising information located at [http://www.cas.usf.edu](http://www.cas.usf.edu).

**Undergraduate Admission to the College of Arts and Sciences**

Admission to the College of Arts and Sciences is open to students who have been accepted to the University of South Florida and who declare a major in a particular field. **Mass Communications is a limited access degree program** and has additional requirements listed under “Departments and Programs.”

Undergraduate students must submit a formal application for admission into the College. This usually occurs during orientation and advising for new students. This application is available online for current students at [http://www.cas.usf.edu/declare](http://www.cas.usf.edu/declare). Students preparing for a science or mathematics career must plan their courses carefully because of the sequential nature of the curricula. Students seeking entrance into a health professional school or the medical technology internship program require specialized counseling, therefore, immediate application for admission into the College is strongly recommended.

Information on admission criteria, departments, majors, programs, advising and other services of the College may be obtained from the Office of Graduate and Undergraduate Studies (BEH 201), College of Arts and Sciences, University of South Florida, Tampa, Florida 33620, or visit our web site at [http://www.cas.usf.edu](http://www.cas.usf.edu).
General Requirements for B.A./B.S. Degree
Within the College of Arts and Sciences

The College of Arts and Sciences offers two undergraduate degrees: Bachelor of Arts and Bachelor of Science. **IT IS EACH STUDENT'S RESPONSIBILITY TO MEET GRADUATION REQUIREMENTS:**

1. Complete at least 120 accepted semester hours, 124 for Mass Communications, with a minimum USF cumulative GPA and overall GPA of 2.0. (Important! All grades including “D”s and “F”s are used to calculate GPA’s for students in the College of Arts and Sciences.)
2. Maintain major GPA of 2.0 in USF coursework. Note: In Anthropology, English and Mass Communications students must have a 2.50 major GPA in USF coursework.
3. Complete the Foreign Language Entrance Requirement and students pursuing a B.A. degree must complete the Foreign Language Exit Requirement.
4. Students enrolling in USF must satisfy Articulation Resolution 6A-10.30 (Gordon Rule) concerning computation and communication. Transfer students who enter the University of South Florida with 60 or more semester hours from a regionally accredited institution are considered to have met the communication portion of the Gordon Rule.
5. Complete Foundations of Knowledge and Learning Core Curriculum Requirements:
   - Core Curriculum Requirements of 36 hours credit:
     a. English Composition 6
     b. Mathematics and Quantitative Reasoning 6
     c. Natural Sciences 6
     d. Social and Behavioral Sciences 6
     e. Human Cultural Diversity Global Context 3
     f. Fine Arts 3
     g. Humanities 6
   - Total 36
   - EXIT Course Requirements
     a. Capstone Course 3
     b. Writing Intensive Course 3
   - Total 6
6. Physical Education coursework is limited to two (2) semester hours.
7. ROTC courses are limited to nine (9) semester hours.
8. When double majoring, a maximum of two (2) departmental courses or eight (8) credit hours may be used to satisfy requirements between majors. Students should check with the college and respective departments when pursuing more than one major/degree. The only exception whereby a student may apply more than eight (8) credit hours of overlapping coursework to their majors/degrees are those students who pursue double majors or two degrees between the College of Education and the College of Arts and Sciences.
   a. The College of Arts and Sciences defines a “major” as those courses taught by the department where the major is housed.
   b. In the case of interdisciplinary programs (Biomedical Sciences, Interdisciplinary Natural Sciences, Health Sciences, International Studies, Environmental Science and Policy, French International Studies & Business Concentration, Spanish International Studies & Business Concentration and Interdisciplinary Social Sciences) overlapping coursework between double majors requires prior approval.
9. Maximum of 20 hours of S/U option. S/U contracts must be negotiated in writing within the first three (3) weeks of the term. None of the 20 credits may be taken in the student’s major unless S/U is the only grading option. Coursework fulfilling the Gordon Rule requirement may not be taken S/U.
10. The Audit option is available only during the first 5 days of classes.
11. Complete at least 9 semester hours at a Florida public university in the Florida State University System during summer terms if entering USF with fewer than 60 semester hours.
12. “D” grades are not acceptable in the major and supporting sciences for all natural sciences majors (Biomedical Sciences; Cell Biology, Microbiology, and Molecular Biology; Integrative Biology; Interdisciplinary Natural Sciences; Medical Technology; Chemistry; Geology; Math; and Physics). “D” grades are not acceptable for the major area in Anthropology, Communication, English, Geography, History, Humanities, Mass Communications, Philosophy, Psychology, and Sociology.
13. Complete all major course requirements.
14. Complete a minimum of 48 hours of upper-level courses (numbered 3000 or above).
15. Thirty (30) of the last 60 semester hours must be completed at USF to fulfill the residency requirement.
16. Biomedical Sciences; Cell Biology, Microbiology, and Molecular Biology; Chemistry; Economics; English; Integrative Biology; Interdisciplinary Natural Sciences; Mass Communications; Mathematics; Physics; Political Science; Religious Studies; and Sociology have established minimum major course hours to be taken in
residency at USF. See the department section of the catalog for these credit-hour requirements. In addition, all students who have majors outside the natural sciences must take a minimum of 80 hours outside of the major department.

For late application information, please refer to the Application for Graduation section of the Academic Policy and Procedures division of the catalog.

Note: The College of Arts and Sciences will not accept graduation applications from potential baccalaureate students who have previously been denied graduation three times. Upon the third denial, the students will be informed in writing that they may only reapply with documentation that they have met all outstanding baccalaureate graduation requirements.

DEPARTMENTAL MINOR

Minors generally require half as many hours as required for the major. In order to help students develop some concentration in elective work taken in conjunction with their chosen major, the College of Arts and Sciences offers minors in the following:

- Africana Studies
- American Studies
- Anthropology
- Astronomy
- Biomedical Physics
- Chemistry
- Chinese
- Classics
- Communication
- Economics
- English-Creative Writing
- English-Literary Studies
- English-Professional Writing, Rhetoric and Technology
- Environmental Policy
- Film and New Media Studies
- French
- Geography
- Geology
- German Studies
- History
- Humanities
- Interdisciplinary Classic Civilizations
- International Studies
- Italian
- Mass Communications
- Mathematics
- Microbiology
- Modern Greek
- Philosophy
- Physics
- Political Science
- Public Administration
- Religious Studies
- Russian
- Sociology
- Spanish
- Women's and Gender Studies

Certain restrictions apply to students earning a minor: (a) students may not use departmental courses applied to the major for the minor; and (b) ISS majors may not earn a minor in any of the concentration areas incorporated in their degree. In some departments, S/U grades within the minor curriculum are not countable. Specific requirements for the different minors appear under the departmental summaries listed under “Departments and Programs.”

Baccalaureate-Level Degree Programs

The departments in the College of Arts and Sciences include: Africana Studies; Anthropology; Cell Biology, Microbiology and Molecular Biology; Chemistry; Communication; Economics; English; Geography, Environment and Planning; Geology; Government and International Affairs; History; Humanities and Cultural Studies; Integrative Biology; Mass Communications; Mathematics and Statistics; Philosophy; Physics; Psychology; Public Affairs; Religious Studies; Sociology; Women’s and Gender Studies, and World Languages.

BACHELOR OF ARTS (B.A.)

Africana Studies (AFA)
American Studies (AMS)
Anthropology (ANT)
Chemistry (CHM)
   - Biochemistry Concentration (CBY)
   - Health Professions Concentration (CHH)
Classics (CLS)
Communication
   - Relational Communication (SRC)
   - Organizational Communication (SOG)
   - Health Communication (SHC)
   - Culture and Media (SMD)
   - Performance Studies (SPS)
Public Advocacy (SAD)
Economics (ECO)
English
  Creative Writing Concentration (CRW)
  Literary Studies (LTS)
  Professional Writing, Rhetoric and Technology (TCM)
French (FRE)
  French International Studies & Business Concentration (IFB)
Geography (GPY)
Geology (GLY)
German (GMS)
History (HTY)
Humanities (HUM)
Interdisciplinary Classical Civilizations (ICC)
Interdisciplinary Social Sciences (ISS)
International Studies (INT)
Italian (ITA)
Mass Communications
  Advertising Concentration (ADV)
  Journalism/Magazine Production Concentration (MAG)
  News Concentration (NWS)
  News Editorial Concentration (JOU)
  Programming and Production Concentration (PGM)
  Public Relations Concentration (PUR)
Mathematics (MTH)
Philosophy (PHI)
Physics (PHY)
Political Science (POL)
Psychology (PSY)
Religious Studies (REL)
Russian (RUS)
Sociology (SOC)
Spanish (SPA)
  Spanish International Studies & Business Concentration (ISB)
Statistics (STC)
Women’s and Gender Studies (WGS)

BACHELOR OF SCIENCE (B.S.)
Following is the list of Biology majors:
  Cell and Molecular Biology (CAM)
  Environmental Biology (ENB)
  Environmental Microbiology (EMB)
  Integrative Animal Biology (IAB)
  Marine Biology (MRN)
  Health Sciences (HHS)
  Microbiology (MIC)
Chemistry:
  Chemistry (CHS)
  Biomedical Sciences (BMS)
  Medical Technology (MET)
  Interdisciplinary Natural Sciences (INS)
Environmental Science and Policy (ESP)
Geology (GLS)
Information Studies (IFS)
Physics (PHS)

Honors Programs
The College of Arts and Sciences offers undergraduate honors programs in Anthropology, Classics, Communication,
English, Geology, Mathematics, Philosophy, Political Science, Psychology, Religious Studies, and Sociology. Students
interested in one of these honors programs should consult the appropriate department for further information.
COMMUNITY EXPERIENTIAL LEARNING PROGRAM

The Community Experiential Learning (CEL) Program offers students the opportunity to explore the relationship between their classroom learning and the broader community. With faculty guidance, students design their own community experiences and receive between one and four academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in CEL anytime during their academic career. Good standing at the university and a 2.0 GPA is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally, students should plan their CEL projects during the term prior to their implementation, but they can be added at any time during the term. Information may be obtained from Kim Lersch, School of Public Affairs, at klersch@usf.edu.

Institute for the Study of Latin America and the Caribbean (ISLAC)
Location/Phone: FAO 286; (813) 974-3547
Web Address: http://islac.usf.edu
Contact Email: plezama@usf.edu

The mission of ISLAC is to promote the study of Latin America and the Caribbean, in collaboration with USF’s strategic plan for internationalization. ISLAC is an academic unit devoted to interdisciplinary research and teaching focused on economic, social, political and cultural formations in Latin America and the Caribbean and among the Hispanic/Latino populations in North America. ISLAC has 72 affiliate faculty members who are drawn from social science, humanities, arts, and human services fields, including, but not limited to, history, languages and literature, humanities, anthropology, political science, sociology, economics, business, geography, public administration, fine arts, public health, education and behavioral and community sciences.

ISLAC offers a certificate in Latin America and Caribbean Studies open to undergraduate students enrolled in any USF major and a Graduate Certificate in LACS, open to USF graduate students and non-degree seeking students who have already obtained a BA. ISLAC also offers a Masters of Arts (M.A.) in Latin America and Caribbean Studies. All ISLAC academic programs are interdisciplinary, flexible and applied.

The Institute fosters greater knowledge of Latin America and the Caribbean, and Latino issues by providing research support for USF faculty and students, and through partnerships with community organizations and other USF departments to sponsor lectures and cultural events. ISLAC faculty and staff are engaged with USF administration to strengthen community ties and to advance the internationalization of USF programs, research, curricula, faculty and students.

Certificate in Africana Literatures

The College of Arts and Sciences offers this Certificate through the collaboration of the departments of Africana Studies, English, and World Languages. It is designed for majors in all colleges as well as non-degree seeking students who wish to engage in a focused study of Africana literatures, acquire appreciation and knowledge of these literatures, and have that knowledge formally recognized in their academic record. The Certificate is designed to enhance the student’s academic and professional growth.

Students are required to take 18 credit hours. There are twelve hours of core courses and 6 hours of required elective courses. Other courses may be substituted for elective hours with the approval of the Undergraduate Director. Students must declare their intention to acquire the Certificate prior to completing nine hours of program coursework. A grade of B or better is required in core courses and a cumulative overall GPA of 3.0 must be maintained in all work for the Certificate.

Required Core Courses (12 credit hours):
- AFS 3153 African Literature Survey
- AML 3604 African American Literature
- AFA 4430 Afro-Diasporic Literature and Political Movements
- ENG 4013 Literary Criticism

Required Elective Courses (6 credit hours):
Select any two of the following:
- AFA 4931 Selected Topics
- AML 4624 Black Women Writers
- WST 4410 Postcolonial Women Writers

Other Specifications:
Students are encouraged to make practical experience in the literary discipline an important component of their academic work. Students can enroll for 3 credit hours in the Africana Studies Internship course to fulfill this objective.
Certificate in Asian Studies

The certificate in Asian Studies is designed for majors in any field who wish to gain a broad knowledge of a world area that is of unique importance.

Requirements for the Certificate in Asian Studies:

1. 18 semester hours from the courses listed below. A minimum of 12 credits must be taken at USF.
2. At least two courses must be from Group A (no more than one course from the Languages will be counted for Group A) and at least two courses must be from Group B. (Other relevant courses may be substituted with the approval of the program advisor.)
3. Students must declare their intention to be awarded the certificate by notifying the program advisor at least one full semester prior to graduation.
4. Students who fail to achieve a cumulative 2.50 GPA or higher in the program will be denied the certificate.

Courses credited toward the Asian Studies Certificate:

Group A
Art: ARH 4530, ARH 4557, ARH 4547
Humanities: HUM 2271, HUM 2273, HUM 3271, HUM 3273
Languages: CHI 1120, CHI 1121, CHI 2200, CHI 2201, CHI 4905, CHI 4930, JPN 1120, JPN 1121, JPN 2220, JPN 2221, JPN 4905, JPN 4930
Religion: REL 3318, REL 3335, REL 3340, REL 3330, REL 4343, REL 4333, REL 4344

Group B
Geography: GEA 3703
History: ASH 2270, HIS 2931*, ASH 3404
International Studies: ASN 3012, ASN 3014, INR 4900 *, INR 4910 *, INR 4931 *
Political Science: PO 4930 *, CPO 5934, INR 5086

* with approval by the Advisor for the Certificate in Asian Studies

The advisor for the Certificate in Asian Studies is Pamela Anderson; she may be contacted at pkander2@usf.edu.

Certificate in Film Studies

The Certificate in Film Studies is designed for undergraduate students majoring in another field who also desire a concentration in film studies. The certificate program is a carefully structured, interdisciplinary sequence of four courses (12-15 credits) that provides students with a broad introduction to the field of film studies. Receipt of a Certificate in Film Studies is recorded on the student's transcript.

Spanning colleges, departments, and academic disciplines, the Certificate in Film Studies provides students with a balanced and multi-faceted course of study that will focus on the functions and manifestations of film as a medium in contemporary western society.

The proposed course of study grants the student a multi-disciplinary comprehension of film as an aesthetic medium and an understanding of how it describes, and has helped shape, the socio-political situation of western civilizations.

The student and the Coordinator will plan the individual course of study, which requires between 12 and 15 semester hours. Students must declare their intention to be awarded the certificate by notifying the Coordinator at least one full semester prior to graduation. A cumulative GPA of 2.50 in the certificate course work is required. Courses must be taken on a letter-grade basis.

To receive an application and for more information contact Dr. Margit Grieb, Coordinator of the Certificate in Film Studies, at grieber@usf.edu.

The following courses meet the requirements for the certificate (courses not listed below may be included in the program if approved by the Coordinator):

Core Course (3 credits, required):
Students will take 1 core course chosen from the following list:
ENG 3115 Introduction to Film: Criticism and Theory
FIL 1004 Introduction to Film Studies
HUM 1580 Introduction to Film

Group I (Area Studies):
Students will take 3-4 credits of elective courses chosen from the following list:
FRE 4392 African Images in Francophone Film  
GET 3522 Fantastic Films of Early German Cinema  
GET 3524 German Popular Film  
GET 4523 New German Cinema to Present  
HUM 4930 Selected Topics in Humanities*  
ITT 3540 Italian Culture through Film  
INR 4931 Selected Topics*  
LAS 3116 Latin America through Film  
*Please see academic advisor for appropriate General Foreign Language and Special/Selected Topics courses.

Group II (Film Medium & History):
Students will take 3-4 credits of elective courses chosen from the following list:
ENG 3113 The Movies as Narrative Art  
FIL 2000 Film: The Language of Vision  
FIL 3427C Beginning Film  
FIL 3845 World Cinema  
THE 2252 Great Performances on Film

Group III (Socio-Political & Historical Perspectives):
Students will take 3-4 credits of elective courses chosen from the following list:
AMS 4152 Film in American Culture  
ARH 4744 Selected Topics in the History of Film  
LAH 2733 Latin American History in Film  
REL 3111 The Religious Quest in Contemporary Films  
REL 3170 Religion, Ethics and Society through Film  
SYG 3011 Social Problems through Film  
WST 4335 Women and Film

NOTE: Course of study must be approved by the Coordinator. Ideally, students should take at least one course from each group. Courses not included in the above groups may be included in the program if approved by the Coordinator.

Certificate in Food Studies
Offered through the Department of Humanities and Cultural Studies, the Certificate in Food Studies is designed for majors in any field who wish to gain an interdisciplinary knowledge of the social, cultural, anthropological, historical, and philosophical study of the production, consumption, and representations of food. Food Studies is a growing field that offers students the opportunity to be genuinely interdisciplinary in their methodological approach, while studying a subject that is of tremendous social, personal, ethical, environmental and global significance.

Students must declare their intention to be awarded the Certificate by notifying the Humanities and Cultural Studies Undergraduate Advisor at least one full semester prior to graduation. A cumulative GPA of 2.5 in the Certificate coursework is required. Courses must be taken on a letter-grade basis.

Required Courses:
Core Course (3 credits):
HUM 2930 Selected Topics: Food, Culture & Society

Group I – Cultural Contexts and Identities:
Students will take 3-4 credits chosen from the following list:
HUM 4930 Selected Topics in Humanities: Food in Film  
HUM 4930 Selected Topics in Humanities: Food in Western Culture  
HUM 4930 Selected Topics in Humanities: Food in Theory

Group II – Global Ecology & Sustainability:
Students will take 3-4 credits chosen from the following list:
AMS 4804 Major Ideas in America  
ANT 4403 Environmental Anthropology  
REL 4936 Selected Topics: Religion and Food  
SYA 4930 Topics in Sociology: Sustainable Consumption

Group III – Health, Diet, and Cuisine:
Students will take 3-4 credits chosen from the following list:
ANT 4930 Special Topics in Anthropology: Ancient Diets  
ANT 4930 Special Topics in Anthropology: Nutritional Anthropology  
WST 4930 Selected Topics: Food and Gender

Certificate in India Studies
The certificate in India Studies is designed for majors in any field who wish to gain a broad knowledge of Indian culture and society.

**Requirement for the Certificate in India Studies**

A total of 15 semester hours is required for the Certificate in India Studies. Three hours are to be fulfilled with the required core course and the remaining hours are to be fulfilled with electives that have a primary focus on India.

Students must maintain a minimum cumulative 3.00 GPA and a minimum 3.00 GPA in courses applied to the India Studies certificate.

Students in the India Studies Certificate program are strongly encouraged to study abroad on at least one USF in India Program. Courses taken as part of the overseas experience will count toward fulfilling the requirements for the certificate.

**Required Core Course**: 3 credits

- GEA 3194 Regional Geography – India

In addition to the above required core course, 4 electives (12 hours) must be taken—two each from Group A and two each from Group B.

**Group A: History, Geography, Society, Politics (6 credit hours):**

Courses that may be applied as electives to the India Studies Certificate are as follows:

- GEO 4930 Selected Topics
- INR 4931 Selected Topics

**Group B: Language, Culture, Philosophy, and Religion (6 credit hours):**

Courses that may be applied as electives to the India Studies Certificate are as follows:

- REL 2300 Introduction to World Religions
- REL 3014 Introduction to Major Religious Texts
- REL 3308 World Religions
- REL 3330 Religions of South Asia
- REL 3335 Gods and Goddesses of India
- REL 4333 Hindu Texts and Contexts
- HUM 3930 Special Topics

**Group C: Study Abroad (6 credit hours) (Optional):**

Students with Study Abroad experience in India may substitute one course each from Group A and Group B for 6 hours. The Advisory Committee will determine which courses taken as part of the overseas experience will count toward fulfilling the requirement for the certificate. Please contact Advisory Committee members: Dr. Gurleen Grewal at grewal@usf.edu, or Dr. Pratyusha Basu at pbsau@usf.edu to determine the study abroad courses that will count.

The certificate in Italian Studies is designed for majors in any field who wish to gain a broad knowledge of Italian culture and society.

**Certificate in Italian Studies**

The history of the geographic expression that today we call Italy is the sum of many particular histories and cultures. Yet, in their diversity and diaspora, the people of Italy have preserved, through time and place, a sense of common identity. For this reason, to understand the complexity of past and present experiences of Italians in the peninsula and of their descendants abroad, the Undergraduate Certificate in Italian Studies is designed with a broad interdisciplinary perspective.

The certificate will encompass courses in several departments in two colleges. The majority of courses will focus on the study of history and culture of the people who inhabit or originated from the Italian peninsula and the islands of Sardinia and Sicily from pre-historic times to the present. In addition, however, offerings will also focus on the Italian diaspora with specific reference to the experiences of people of Italian descent in the many nations in which they settled from the early 19th century to the present.

Students are required to take between 23 and 28 semester hours from a list of courses approved for the certificate. A Faculty Advisory Committee will coordinate the Certificate of Italian Studies. Students may receive credit for courses, not included in the below list, or (if circumstances require it) may substitute a required course with another, by petitioning and if approved by the Advisory Committee.

**Study Abroad:** Students in the Italian Studies Certificate program are strongly encouraged to study abroad for the summer, a semester or a year in the USF in Italy program or in any other accredited program. The Advisory Committee will determine which courses taken as part of the overseas experience will count toward fulfilling the requirements for the certificate.

For additional information, send a message to Dr. Giovanna Benadusi or Dr. Fraser Ottanelli, Coordinators of the Certificate in Italian Studies at itastudies@cas.usf.edu.

NOTE: Students may apply a maximum of sixteen credits in the same department toward fulfilling the requirements for the certificate.

**I. Language Requirement:**

Students must demonstrate proficiency in Italian or complete two semesters of language courses chosen from the
following courses.

ITA 1120 Beginning Italian I
ITA 1121 Beginning Italian II
ITA 2200 Intermediate Italian I
ITA 2240 Italian Conversation I
ITA 2241 Italian Conversation II
ITA 3420 Composition
LAT 1120 Beginning Latin I

II. Core Courses:
Each student will take three courses at the 3000 or 4000 level on topics related to Italy in either Art History (ARH),
Italian literature and culture (ITW), or History (HIS). However, only one course will be allowed from each department.

III. Elective Courses:
Students will take 6-8 credits of elective courses related to Italy. Course topics may vary. The following lists some
of the possible courses:

Anthropology:
- ANT 4143 European Archaeology
- ANT 4930 Special Topics in Anthropology*

Art History:
- ARH 4318 Venetian Art [instructor’s consent]

English:
- LIT 4930 Special Topics in English Studies*

Government and International Affairs:
- POT 4936 Selected Topics in Political Theory*

History:
- EUH 3412 Roman Republic
- EUH 3413 Roman Empire
- HIS 3930 Special Topics*

World Languages:
- CLA 3123 Roman Civilization
- CLT 3102 Roman Literature in Translation
- ITA 1120 Beginning Italian I
- ITA 1121 Beginning Italian II
- ITA 2200 Intermediate Italian I
- ITA 2240 Italian Conversation I
- ITA 2241 Italian Conversation II
- ITA 3420 Composition
- ITA 3470 Overseas Study
- ITW 4100 Survey of Italian Literature I
- ITW 4101 Survey of Italian Literature II
- ITW 4905 Directed Study
- LAT 1120 Beginning Latin I

Theatre:
- THE 4480 The Theatre of Luigi Pirandello

*Please see an academic advisor for appropriate Special/Selected Topics courses.

Certificate in Latin American and Caribbean Studies
The College of Arts and Sciences offers a Certificate in Latin American and Caribbean Studies for students who
wish to gain an intensive multi-disciplinary understanding of this important area, and have that knowledge formally
recognized in their academic record. This program is open to all USF majors of all colleges.

The certificate requires a minimum of 15 semester hours of courses about Latin America and the Caribbean. One
LAS seminar must be taken in addition to courses in: 1) Anthropology, 2) Geography/Government & International
Studies, 3) History, and 4) Art/Humanities/Literature.

Students must also demonstrate proficiency in a Latin American or Caribbean language (Spanish, Portuguese,
French, or Amerindian language) or have two semesters of course work in any of these languages. Students who
already know a Latin American or Caribbean language are strongly encouraged to learn a second language.

Study abroad programs are encouraged and will be credited toward the Certificate.

The following courses are a sample of courses offered that fulfill the certificate requirements. However, these should
be considered as a partial list only. Students are strongly encouraged to review the Schedule of Classes each semester
for current course offerings at http://web.usf.edu/iac/islac/courses.html.

1) Anthropology
ANT 4162 South American Archaeology
ANT 4163 Mesoamerican Archaeology
ANT 4340 The Caribbean
ANT 4324 Mexico and Central America
ANT 4930 Selected Topics in Anthropology*

2) Geography/Government & International Affairs
CPO 4930 Comparative Government and Politics of Selected Countries or Areas*
INR 4931 Selected Topics*
LAS 3002 Latin America

3) History
AMH 3421 Early Florida
LAH 2020 Latin American Civilization
LAH 2734 Latin American History in Film
LAH 3130 Colonial Latin America
LAH 3200 Modern Latin America
LAH 3430 History of Mexico
LAH 3470 History of the Caribbean
HIS 3930 Special Topics*

4) Art/Humanities/Literature
ARH 4930 Art History: Selected Topics*
HUM 4464 Latin American Culture Since 1492
SPN 3520 Spanish American Civilization
SPN 5135 Colonial Spanish American Literature
SPN 5525 Modern Spanish American Literature
SPT 2524 Women Writers of Latin America
SPW 3030 Introduction to Hispanic Literature
SPW 4131 Survey of Spanish American Literature
THE 4434 Caribbean Theatre

5) Others
ECO 4430 The Economics of Latin America
REL 3375 Issues in Caribbean Religions
See also: Sociology, Economics, Study Abroad.

*Please see academic advisor for appropriate Selected Topics courses.

For information and advice about the certificate program, contact the Institute for the Study of Latin America and the Caribbean (ISLAC), CPR 474, call 974-3547, or send an email to thompson@iac.usf.edu. The program is open to all majors in all colleges. Applications are available at: http://web.usf.edu/iac/islac/undergrad_cert.html. Course offerings can be checked at: http://web.usf.edu/iac/islac/courses.html.

Certificate in Modern Western European Studies

The College of Arts and Sciences offers this certificate through the collaboration of the Departments of English, Geography, History, Humanities and Cultural Studies, Government and International Affairs, World Languages, and Philosophy. It is designed for majors in any field who wish to gain a multi-disciplinary understanding of a part of the world that has shaped much of our civilization and holds great significance for Americans in the present and the future.

The student and the Coordinator will plan the individual course of study, which requires between 21 and 24 semester hours. Students must declare their intention to be awarded the certificate by notifying the Coordinator at least one full semester prior to graduation. A cumulative GPA of 2.5 in the certificate course work is required. Please contact Dr. Christine M. Probes at World Languages, CPR 107, (813) 974-2743, or by e-mail: probes@usf.edu.

1) Language Requirement (6)
Students will take two additional semesters of the foreign language they have taken in fulfillment of the College of Arts and Sciences language requirement.

2) Core Courses (9-10)
Students will take a total of three courses from the following; one of them must be either EUS 3000 or GEA 3500.
EUS 3000 Europe
GEA 3500 Geography of Europe
EUH 3205 History of Nineteenth Century Europe or EUH 3206 History of Twentieth Century Europe
HUM 3251 Studies in Culture: The Twentieth Century
LIT 3144 Modern European Novel
PHM 4331 Modern Political Philosophy

3) Elective Courses (6-8)
A. Overseas Experience

Students should make Western European study and travel an important component of their academic work. They are required to enroll for at least 3 elective credit hours in courses that involve Western European study and travel. These may be taken in one of three ways:

1. as IDS 4955 (Off-Campus Term International Program),
2.* as one or two of the courses listed below as Elective Courses, or
3.* as part of overseas study courses offered by other USF colleges and other universities.

*Elective courses under options (2) and (3) will be chosen in consultation with the Coordinator and an Advisory Committee.

Western European study and travel allows students to concentrate on one of the areas of electives. Students may want to use overseas experience credits to fulfill their summer enrollment requirement.

A structured alternative experience in the United States may be substituted for the Overseas Experience. The Certificate accepts IDS 4955 or 4956 (Off-Campus Term Special Project) or any of the courses listed below as Elective Courses for credit for this requirement. Coordinator, Advisory Committee and student will tailor the experience to fit the student's individual needs.

B. English

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 3230</td>
<td>British Literature 1616-1780</td>
</tr>
<tr>
<td>ENL 3251</td>
<td>British Literature 1780-1900</td>
</tr>
<tr>
<td>ENL 3273</td>
<td>British Literature 1900-1945</td>
</tr>
<tr>
<td>ENL 3331</td>
<td>Early Shakespeare</td>
</tr>
<tr>
<td>ENL 3332</td>
<td>Late Shakespeare</td>
</tr>
<tr>
<td>LIT 3102</td>
<td>Literature of the Western World II Since the Renaissance</td>
</tr>
</tbody>
</table>

C. History

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 3142</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>EUH 3202</td>
<td>History of 17th and 18th Century Europe</td>
</tr>
<tr>
<td>EUH 3205</td>
<td>History of 19th Century Europe</td>
</tr>
<tr>
<td>EUH 3206</td>
<td>History of 20th Century Europe</td>
</tr>
<tr>
<td>EUH 3461</td>
<td>German History to 1870</td>
</tr>
<tr>
<td>EUH 3462</td>
<td>German History 1870 to Present</td>
</tr>
<tr>
<td>EUH 3501</td>
<td>British History to 1688</td>
</tr>
<tr>
<td>EUH 3502</td>
<td>British History 1688 to Present</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>HIS 4900</td>
<td>Directed Reading</td>
</tr>
</tbody>
</table>

D. Humanities and Cultural Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 4437</td>
<td>Italian Renaissance Culture</td>
</tr>
<tr>
<td>HUM 4438</td>
<td>Northern Renaissance Culture</td>
</tr>
<tr>
<td>HUM 4440</td>
<td>Arts and Letters in the 17th and 18th Centuries</td>
</tr>
<tr>
<td>HUM 4442</td>
<td>Arts and Letters of the Romantic Period</td>
</tr>
<tr>
<td>HUM 4444</td>
<td>19th Century European Arts and Letters</td>
</tr>
<tr>
<td>HUM 4445</td>
<td>20th Century European Arts and Letters</td>
</tr>
<tr>
<td>HUM 4905</td>
<td>Directed Study</td>
</tr>
<tr>
<td>HUM 4941</td>
<td>Study on Location</td>
</tr>
</tbody>
</table>

E. Government and International Affairs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4930</td>
<td>Comparative Government and Politics</td>
</tr>
<tr>
<td>INR 3955</td>
<td>Overseas Study</td>
</tr>
<tr>
<td>INR 4900</td>
<td>Directed Readings</td>
</tr>
<tr>
<td>INR 4910</td>
<td>Directed Research</td>
</tr>
<tr>
<td>INR 4931</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>POS 3931</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>POS 4905</td>
<td>Independent Study</td>
</tr>
<tr>
<td>POT 4054</td>
<td>Modern Political Theory</td>
</tr>
</tbody>
</table>

F. World Languages

(Note: the student should take courses from the list below after completing the two additional semesters of the foreign language requirement (see I) or, if already advanced in a language, with the instructor's approval. These courses are generally taught in the target language.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 3234</td>
<td>Reading in French Literature and Culture</td>
</tr>
<tr>
<td>FRE 3440</td>
<td>French for Business</td>
</tr>
<tr>
<td>FRE 3500</td>
<td>French Civilization</td>
</tr>
<tr>
<td>FRW 4100</td>
<td>Introduction to French Novel</td>
</tr>
<tr>
<td>FRW 4101</td>
<td>Introduction to French Drama and Poetry</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>FRE 4905</td>
<td>Directed Study</td>
</tr>
<tr>
<td>FRE 4930</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>GERMAN</td>
<td></td>
</tr>
<tr>
<td>GER 3500</td>
<td>German Civilization</td>
</tr>
<tr>
<td>GET 3100</td>
<td>German Literature in English</td>
</tr>
<tr>
<td>GET 3290</td>
<td>Fantastic Films of Early German Cinema</td>
</tr>
<tr>
<td>GEW 4100</td>
<td>Survey of German Literature I</td>
</tr>
<tr>
<td>GEW 4101</td>
<td>Survey of German Literature II</td>
</tr>
<tr>
<td>GEW 4900</td>
<td>Directed Study</td>
</tr>
<tr>
<td>GEW 4930</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>ITALIAN</td>
<td></td>
</tr>
<tr>
<td>ITW 4100</td>
<td>Survey of Italian Literature I</td>
</tr>
<tr>
<td>ITW 4101</td>
<td>Survey of Italian Literature II</td>
</tr>
<tr>
<td>ITW 4905</td>
<td>Directed Study</td>
</tr>
<tr>
<td>SPANISH</td>
<td></td>
</tr>
<tr>
<td>SPN 3440</td>
<td>Spanish for Business</td>
</tr>
<tr>
<td>SPN 3441</td>
<td>Advanced Spanish for Business Writing</td>
</tr>
<tr>
<td>SPN 3500</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPW 3030</td>
<td>Introduction to Hispanic Literature</td>
</tr>
<tr>
<td>SPW 4100</td>
<td>Survey of Spanish Literature I</td>
</tr>
<tr>
<td>SPW 4101</td>
<td>Survey of Spanish Literature II</td>
</tr>
<tr>
<td>SPW 4900</td>
<td>Directed Study</td>
</tr>
<tr>
<td>SPW 4930</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>G. Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHH 3420</td>
<td>History of Philosophy</td>
</tr>
<tr>
<td>PHH 4440</td>
<td>Continental Philosophy</td>
</tr>
<tr>
<td>PHM 4331</td>
<td>Modern Political Philosophy</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
</tr>
<tr>
<td>PHP 4410</td>
<td>Kant</td>
</tr>
<tr>
<td>PHP 4740</td>
<td>The Rationalists</td>
</tr>
<tr>
<td>PHP 4745</td>
<td>The Empiricists</td>
</tr>
</tbody>
</table>

Courses not included in the above list may be included in the program if approved by the Coordinator and an Advisory Committee.

**NOTE:** Courses which apply to the certificate may also count toward a student’s major.

**Certificate in Russian Studies**

This certificate is designed for majors in any field who wish to enhance their understanding of the peoples and cultures of Russia, Eastern Europe, and Central Asia. The College of Arts and Sciences offers this certificate through the collaboration of the Department of World Languages, Government and International Affairs, and History. Courses from other departments may count if their subject matter has significant Russian or Eurasian content. Students will plan their course of study in consultation with the certificate coordinator. They must complete 23-25 semester hours in related coursework (and maintain a GPA of 3.0). Students must declare their intention to be awarded the certificate by notifying the coordinator at least one full semester prior to graduation. Please contact Dr. Kees Boterbloem in the Department of History by e-mail: cboterbl@usf.edu.

**Requirements**

I. Language

All students are encouraged to develop their language skills to the highest possible level. Non-heritage All students are encouraged to develop their language skills to the highest possible level, whether they are working in a Slavic, Turkic, or other language of the region. Russian language students who are non-native speakers should complete at least RUS 2200 (Russian III), and native speakers should complete one semester of RUS 4900 Analytical Reading. It is very important that students begin developing their language skills as early as possible. Although students only have to declare their intention one semester before graduation, it takes significantly longer to learn a language such as Russian. It is recommended that students take as many years of language study as possible.

II. Required Core Courses

A. Two of the following courses:
   - EUH 3575 Imperial Russia
   - EUH 3576 Soviet Union
   - EUS 3022 Russia

B. One of the following courses:
### Certificate in Urban Studies

The Urban Studies Certificate offers students the opportunity to supplement their education and training with a focus on the problems and potentials of the urban world around us. Eighty percent of Americans live in one of the country’s nearly 400 major metropolitan areas. Understanding the economic, social, cultural, political and spatial phenomena of urban areas, and how they came to be, is essential if one is to thrive in today’s world. The Urban Studies curriculum begins with an interdisciplinary Introduction to Urban Studies and then weaves the multidisciplinary urban offerings into a coherent understanding of urban life. The Urban Studies Coordinator helps each student fashion a curriculum that meets his/her unique intellectual and career needs. The curriculum, through its courses and internship possibilities, focuses on the “real world,” thus providing students with a valuable foundation for their career planning and advancement. With the help of the Urban Studies Coordinator, students can design concentrations in urban planning, urban management, community development, community organizing, etc. The Certificate requires a minimum of 24 credits.

#### Core Courses (9-10 credit hours):
- **URS 3002** Introduction to Urban Studies
- And two of the following:
  - **ANT 4442** Urban Life and Culture
  - **ARC 4784** The City
  - **ECP 3613** Economics of the Urban Environment
  - **GEO 3602** Urban Geography
  - **GEO 4604** Topics in Urban Geography
  - **POS 3142** Introduction to Urban Politics and Government
  - **SYA 4930** Selected Topics*
  - **SYD 4410** Urban Sociology
  - **SYD 4411** Urban Life

Courses may have prerequisites within the discipline.

*Please see academic advisor for the appropriate selected topics course.

#### Methods Courses (select one of the following (3-4 credits hours)):
- **AFA 4350** African American Community Research
- **ANT 4285** Oral History
- **ANT 4495** Methods in Cultural Research
- **CCJ 3701** Research Methods in Criminal Justice I
- **POS 3713** Empirical Political Analysis
- **STA 2122** Social Science Statistics
- **SYA 3300** Research Methods
- **SYA 3310** Qualitative Inquiry
- **GEO 3164C** Quantitative Methods
- **GIS 3006** Computer Cartography
Courses may have prerequisites within the discipline.

**Electives (minimum 12 credit hours):**
Select four from the following list or from the core courses not counted above:

- Africana Studies
  - AFA 4331 Social Institutions and the African-American Community
  - AMH 3572 African American History since 1865
  - AMS 3700 Racism in American Society
  - AFA 4335 Black Women in America
  - AFA 4931 Social and Cultural Issues in Black Urban Life

- Anthropology
  - ANT 4316 Ethnic Diversity in the U.S.
  - ANT 4701 Applied Anthropology
  - ANT 4930 Special Topics in Anthropology

- Communication
  - SPC 3710 Communication and Cultural Diversity
  - SPC 4714 Communication, Culture and Community

- Criminology
  - CCJ 3003 Crime and Justice in America
  - CCJ 3024 Survey of the Criminal Justice System
  - CCJ 3610 Theories of Criminal Behavior
  - CCJ 3621 Patterns of Criminal Behavior
  - CCJ 4450 Criminal Justice Administration

- Economics
  - ECO 4323 Radical Political Economy
  - ECO 4504 Public Finance
  - ECP 3201 Economics of Women and Work
  - ECP 3203 Labor Economics
  - ECP 3302 Environmental Economics
  - ECP 3530 Economics of Health

- Geography
  - EVR 2861 Introduction to Environmental Policy
  - GEO 4471 Political Geography
  - GEO 4502 Economic Geography
  - GEO 4700 Transportation Geography
  - URP 4052 Urban and Regional Planning

- History
  - AMH 3423 Modern Florida
  - AMH 3500 American Labor History
  - AMH 3530 Immigration History
  - AMH 3572 African American History since 1865

- Political Science
  - POS 2112 State & Local Government and Politics
  - POS 3182 Florida Politics and Government
  - POS 5155 Issues of Urban Government and Politics

- Public Administration
  - PAD 3003 Introduction to Public Administration
  - PAD 4144 Nonprofit Organizations and Public Policy
  - PAD 4204 Public Financial Administration
  - PAD 5333 Concepts & Issues in Public Planning
  - PAD 5807 Administration of Urban Affairs

- Social Work
  - SOW 3210 The American Social Welfare System

- Sociology
  - SYO 3120 Sociology of Families
  - SYO 3530 Social Inequalities in a Global Society
  - SYD 3700 Racial and Ethnic Relations
  - SYP 4111 Identity and Community
  - SYP 4420 Consumer Culture
  - SYP 4510 Sociological Aspects of Deviance
  - SYP 4530 Sociology of Juvenile Delinquency

4) Internships (one of the following can be substituted as an ELECTIVE)
The University of South Florida is an excellent location to prepare for a career in the health professions. The Veterans Administration Hospital, University of South Florida Medical Center, Shriner's Hospital for Children, H. Lee Moffitt Cancer Center and Research Institute, University of South Florida Mental Health Institute, and Florida Hospital Tampa are within walking distance of the campus and offer students excellent opportunities for observation, research, and experience.

The College of Arts and Sciences offers programs designed to prepare students for admission to allopathic medicine (M.D.), osteopathic medicine (D.O), chiropractic medicine, dentistry, optometry, podiatry, veterinary medicine, pharmacy, physician assistant, and physical therapy. Most of these professions require four years of pre-professional preparation followed by four years of training in a professional school. A few well-prepared students with exceptional qualifications may be admitted to some professional schools as early as the completion of the junior year of pre-professional work. The pre-professional programs do not meet requirements for a degree; therefore, students must choose a major in addition to fulfilling their pre-professional requirements. Most pre-professional students major in biology, biomedical sciences, or chemistry because of their interests in the health sciences, and the considerable overlap between the pre-professional curriculum and the degree requirements for those majors. Entrance into all professional schools or programs is competitive, and students should begin establishing a record of excellence with the first semester at USF. Furthermore, it is essential that students pursue courses developing a sense of understanding of cultural and humane values as well as basic social problems. Students should also have some clinical and/or volunteer experience related to the medical field.

Students considering one of the health professions should contact the College of Arts and Sciences during the first semester at USF to declare their interest in a health professions program.

For specific information about the following programs, please see our health professions website at: [http://www.cas.usf.edu/health_professions](http://www.cas.usf.edu/health_professions).

- For information regarding the USF’s Medical program, please visit: [http://health.usf.edu/medicine/home.html](http://health.usf.edu/medicine/home.html).
- For information regarding USF’s Physical Therapy program, visit: [http://health.usf.edu/medicine/dpt/index.htm](http://health.usf.edu/medicine/dpt/index.htm).
- Veterinary Medicine
- For information regarding the USF’s Pharmacy program, visit: [http://health.usf.edu/nocms/pharmacy/](http://health.usf.edu/nocms/pharmacy/).

### Requirements for Health Professions Schools

These courses prepare students for admission to professional schools of chiropractic medicine, dentistry, allopathic medicine, osteopathic medicine, podiatric medicine, optometry, veterinary medicine, and pharmacy. All of these professional schools have in common the following course requirements, which should be completed by the end of the junior year, the usual time of application:

**Biology**
- BSC 2010, 2010L Biology I: Cellular Processes
- BSC 2011, 2011L Biology II: Diversity

**Chemistry**
- CHM 2045, 2045L General Chemistry I
- CHM 2046, 2046L General Chemistry II
- CHM 2210, 2210L Organic Chemistry I
- CHM 2211, 2211L Organic Chemistry II

**Physics**
- PHY 2053, 2053L General Physics I
- PHY 2054, 2054L General Physics II

In addition to these requirements it is generally expected that pre-professional students will complete two semesters of English and mathematics appropriate for their degree. Some schools require calculus and some require one or two courses in biochemistry. CLEP credit usually is not accepted by professional schools, and some schools do not accept AP or IB and have specific restrictions for accepting DE credits. Students should check with the school of their choice regarding acceptable acceleration credit.

### Requirements for B.S. in Biomedical Sciences for Early Admission Students

Early admission to professional school is exceptional with today’s competitive applicant pool; however, a few
students may be admitted prior to completion of the bachelor's degree through special programs. 

There are no State Mandated Common Prerequisites for this degree program.

Students planning on early admission should begin studies at a 4-year institution as professional schools require at least 1 year of studies at a university prior to application. Depending upon the professional school, additional science courses may be required or strongly recommended as indicated in the preceding sections. Exposure to a health profession is also strongly recommended.

Students who are admitted to an accredited U.S. medical or dental school after completing their junior year at the University of South Florida may be awarded the B.S. degree in Biomedical Sciences from the College of Arts and Sciences subject to the following conditions:

1. Transfer of a minimum of 30 semester hours of science courses from an accredited medical or dental school.
2. Completion of a minimum of 90 semester hours of credit with a minimum grade point average of 2.00 prior to transfer to the medical or dental school.
3. Completion of the following courses with at least a C in each course:

   **Biology**
   - BSC 2010, 2010L Biology I: Cellular Processes
   - BSC 2011, 2011L Biology II: Diversity
   - MCB 3020C General Microbiology

   Plus two of the following biology courses, including at least one with a laboratory (minimum 7 semester hours):
   - PCB 3023, 3023L Cell Biology (lab optional)
   - PCB 3063, 3063L General Genetics (lab optional)
   - MCB 4502 Virology
   - MCB 4115 Determinative Bacteriology
   - MCB 5815 Medical Mycology
   - PCB 4064 Experimental Genetics
   - PCB 4723 Animal Physiology
   - PCB 4723L Animal Physiology Lab
   - PCB 5235 Principles of Immunology
   - ZOO 3323C Anatomy of Chordates
   - ZOO 3713 Comparative Vertebrate Anatomy
   - ZOO 4603 Animal Embryology
   - ZOO 4753C Histology

   **Chemistry**
   - CHM 2045, 2045L General Chemistry I
   - CHM 2046, 2046L General Chemistry II
   - CHM 2210, 2210L Organic Chemistry I
   - CHM 2211, 2211L Organic Chemistry II
   - BCH 3023 Introductory Biochemistry

   **Physics**
   - PHY 2053, 2053L General Physics I
   - PHY 2054, 2054L General Physics II

   **Mathematics**
   - MAC 2241, MAC 2311, or MAC 2281 Calculus
   - Plus either the second semester of a calculus sequence
   - OR
   - STA 2023 Introductory Statistics I

4. Completion of the University's Foundations of Knowledge and Learning Requirements.
5. Completion of the last 30 hours prior to transfer to a medical or dental school in residence at the University of South Florida.
6. Application for the degree must be received no later than two years from the date of entrance into the professional school.

Students admitted to professional schools of veterinary medicine, optometry, physical therapy, or podiatric medicine prior to completion of their degree may also be able to transfer courses from the professional school and receive their bachelor's degree. However, approval of the courses to be transferred must be obtained on an individual basis from the College of Arts and Sciences, and in some cases it may be necessary for students to complete more than 90 hours prior to leaving the University of South Florida.

**Teacher Education Program**

The College of Arts and Sciences offers B.A. and M.A. degree programs for secondary school teachers and the M.A. degree for junior college teachers.
B.S. Degree Programs for Secondary School Teachers

The College of Arts and Sciences, in cooperation with the College of Education, offers degree programs in Mathematics, Biology, Chemistry, Physics, English, Foreign Language and Social Science Education. Prospective students should consult the College of Education portion of this catalog under the heading, Department of Secondary Education for degree requirements.

• **AFRICANA STUDIES (AFA) (CIP = 05.0201)**
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

  Africana Studies is a liberal arts program offering a Bachelor of Arts in Africana Studies, a Minor in Africana Studies and a Certificate in Africana Literatures. This program provides all students with the opportunity to study the history, culture and lived experiences of people of African descent--on the African continent and throughout the world. Students also study the influence of Africa and people of African descent on the world at-large. The Africana Studies curriculum also explores the social construction of race and racism and encourages the development of critical thinking skills while also challenging students to explore new ideas, seek new connections and become actively engaged in the global community.

  Admission to the Africana Studies major, minor, or certificate is open to all students who have been duly admitted to the University of South Florida.

  **Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution**

  There are no State Mandated Common Course Prerequisites for this major.

  **Requirements for the Major in Africana Studies (B.A.)**

  The major in Africana Studies consists of a minimum of 36 hours, which include five core courses (15 hours) and seven electives (21 hours)

  **Required Core Courses (15 credit hours):**
  - AFA 2000 Introduction to the Black Experience in Africa and its Diaspora
  - AFH 3100 African History to 1850
  - AFH 3200 African History since 1850
  - AMH 3571 African-American History to 1865
  - AMH 3572 African-American History since 1865

  **Electives (21 credit hours):**

  Students will take seven additional elective courses from the following list of courses:
  - AFA 4150 Africa and the United States
  - AFA 4335 Black Women in America
  - AFA 4350 African American Community Research
  - AFA 4400 Afro-Diasporic Literature and Political Movements
  - AFA 4500 Slavery in the Americas and the Caribbean
  - AFA 4900 Directed Readings
  - AFA 4335 Black Women in America
  - AFA 4350 African American Community Research
  - AFA 4931 Selected Topics in Africana Studies
  - AFS 2250 Culture and Society in Africa
  - AML 3604 African American Literature
  - AML 4624 Black Women Writers
  - AMS 3700 Racism in American Society
  - PHM 4120 Major Black Thinkers

  Other electives may become available to students. Please see the undergraduate advisor or the Africana Studies Undergraduate Director for further information.

  **Requirements for the Minor in Africana Studies (AFA)**

  The minor in Africana Studies consists of a minimum of 18 hours, which include three core courses (9 hours) and three electives (9 hours).

  **Required Core Courses (9 credit hours):**
  - AFA 2000 Introduction to the Black Experience in Africa and its Diaspora
  - AFH 3100 African History to 1850 or AFH 3200 African History since 1850
  - AMH 3571 African-American History to 1865 or AMH 3572 African-American History since 1865

  **Elective Courses (9 credit hours):**

  Students will complete the minor requirements with three additional Africana Studies elective courses.
Africana Studies Faculty

Chairperson: C. Rodriguez; Associate Professors: E. Kissi; K. Simeon-Jones; Assistant Professors: E.D. Duke, A. Khan; Instructor: L. Lahey; Other Faculty: C. Smith, J.A. Maxwell-Simmons, S. Moore, F.U. Ohaegbulam.

**ANTHROPOLOGY (ANT) (CIP = 45.0201)**

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

Anthropology aims at comprehending people as biological and social beings. It is concerned with all forms of people through time and space. One consequence of this broad-ranging view is the presence within anthropology of four branches: archaeology, biological anthropology, cultural anthropology, and linguistics. Exposure to anthropological information and the cross-cultural perspective produces heightened sensitivity in the student to the world about him/her. This helps the student to adopt an intellectual posture of disciplined skepticism with respect to any scheme that purports to define and account for regularities in human life.

The Department of Anthropology is concerned with applying anthropological knowledge, theory, method, and perspectives to problems of contemporary society. Illustrative areas of activity include human services needs assessment, program planning and evaluation, public archaeology, social and environmental impact assessment, public policy analysis, and applied linguistics.

In 1986 the department instituted an honors program to provide its best students with an opportunity to engage in a significant academic experience. Outstanding seniors may participate in a year-long course of study and original research in an area of their choosing under the guidance of a faculty mentor.

Students majoring in other fields may find anthropology coursework an exciting and valuable supplement to their primary academic interest. A minor in anthropology has been developed with this purpose in mind. The minor program is structured to allow the student maximum flexibility in course selection within a broadly defined progression of anthropological concerns. Thus, the student is able to tailor a minor in anthropology to best suit special wants and needs in the context of an overall curriculum.

For additional information about the department please visit our web site: [http://anthropology.usf.edu/](http://anthropology.usf.edu/).

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution**

The State of Florida has identified common course prerequisites for the Anthropology major. These courses must be completed with a minimum grade of C before the degree is granted. If the courses are not transferred in, they may be taken at USF. Following are the courses:

ANT XXXX Two Introductory Courses in Anthropology (ANT prefix) 6 credit hours

**Requirements for the Major in Anthropology (B.A.)**

Beyond the recommended prerequisites listed above, the major in Anthropology consists of a minimum of 36 credit hours. In order to graduate, students must maintain an average best attempt 2.5 GPA in all courses counted toward the major. Majors are required to complete a minimum of 20 hours of 4000-level elective coursework, including at least one course from each subfield. A minimum of three (3) of these 20 credits must be selected from a list of designated methods courses. Methods courses may also be counted toward the subdivision requirement.

**Required Core Courses (16 credit hours):**

- ANT 2410 Cultural Anthropology
- ANT 2511 Biological Anthropology
- ANT 2511L Biological Anthropology Laboratory
- ANT 3101 Archaeology
- ANT 3610 Anthropological Linguistics
- ANT 4034 Theories of Culture

**Elective Courses (17 credit hours):**

Students must choose at least one course from each subfield listed below.

**Archaeology Subfield**

- ANT 4142 Old World Archaeology
- ANT 4143 European Archaeology
- ANT 4147 Environmental Archaeology
- ANT 4153 North American Archaeology
- ANT 4158 Florida Archaeology
- ANT 4165 South American Archaeology
- ANT 4163 Mesoamerican Archaeology
## Biological Anthropology Subfield

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4520C</td>
<td>Forensic Anthropology</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Prehistoric Human Evolution</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Human Variation</td>
</tr>
</tbody>
</table>

## Cultural Anthropology Subfield

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4014</td>
<td>Anthropology of American Culture</td>
</tr>
<tr>
<td>ANT 4231</td>
<td>Folklore</td>
</tr>
<tr>
<td>ANT 4241</td>
<td>Anthropology of Religion</td>
</tr>
<tr>
<td>ANT 4285</td>
<td>Oral History</td>
</tr>
<tr>
<td>ANT 4302</td>
<td>Gender in Cross-Cultural Perspectives</td>
</tr>
<tr>
<td>ANT 4312</td>
<td>North American Indians</td>
</tr>
<tr>
<td>ANT 4316</td>
<td>Ethnic Diversity in the United States</td>
</tr>
<tr>
<td>ANT 4323</td>
<td>Mexico and Central America</td>
</tr>
<tr>
<td>ANT 4340</td>
<td>The Caribbean</td>
</tr>
<tr>
<td>ANT 4390</td>
<td>Visual Anthropology</td>
</tr>
<tr>
<td>ANT 4401</td>
<td>Exploring Cross-Cultural Diversity</td>
</tr>
<tr>
<td>ANT 4403</td>
<td>Environmental Anthropology</td>
</tr>
<tr>
<td>ANT 4432</td>
<td>The Individual and Culture3</td>
</tr>
<tr>
<td>ANT 4442</td>
<td>Urban Life and Culture</td>
</tr>
<tr>
<td>ANT 4462</td>
<td>Health, Illness, and Culture</td>
</tr>
<tr>
<td>ANT 4495</td>
<td>Methods in Cultural Research</td>
</tr>
<tr>
<td>ANT 4620</td>
<td>Language and Culture</td>
</tr>
<tr>
<td>ANT 4701</td>
<td>Applied Anthropology</td>
</tr>
<tr>
<td>ANT 4750</td>
<td>Language and Social Interaction</td>
</tr>
<tr>
<td>ANT 4935</td>
<td>Rethinking Anthropology</td>
</tr>
<tr>
<td>URS 3002</td>
<td>Introduction to Urban Studies</td>
</tr>
</tbody>
</table>

### Methods Courses (3 credit hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4180</td>
<td>Lab Methods in Archaeology</td>
</tr>
<tr>
<td>ANT 4181</td>
<td>Museum Methods</td>
</tr>
<tr>
<td>ANT 4183C</td>
<td>Archaeological Science</td>
</tr>
<tr>
<td>ANT 4285</td>
<td>Oral History</td>
</tr>
<tr>
<td>ANT 4390</td>
<td>Visual Anthropology</td>
</tr>
<tr>
<td>ANT 4495</td>
<td>Methods in Cultural Research</td>
</tr>
<tr>
<td>ANT 4520C</td>
<td>Forensic Anthropology</td>
</tr>
<tr>
<td>ANT 4824</td>
<td>Archaeological Field Methods</td>
</tr>
</tbody>
</table>

### ANT 4932 Honors Seminar

Depending upon the specific topic, ANT 4930 Special Topics, may count toward any of the subdivisions and/or the methods requirement.

Anthropology majors are urged to become competent readers and speakers of a relevant modern foreign language (which may include American Sign Language). They are also urged to enhance their English reading, writing, speaking and critical thinking capabilities and develop their skills in computational, statistical and other forms of quantitative analysis at every opportunity. Students are encouraged to fulfill General Education and Exit requirements with courses relevant to their interests in anthropology whenever possible. In pursuit of all these goals, they should meet with the department’s undergraduate advisor at least once each semester to discuss such topics as academic progress, future course plans, Anthropology’s Honors Program, summer field schools, job opportunities, graduate education and professional careers in anthropology.

## Requirements for the Minor in Anthropology (ANT)

The minor in Anthropology consists of a minimum of 18 credit hours with a C average (2.0). Students will normally progress through these areas in the order listed below, selecting courses prerequisite or otherwise appropriate to courses desired in subsequent areas. Exceptions to this pattern must be approved by the department’s undergraduate advisor.
advisor. Students are urged to consult with an advisor to create the most beneficial set of courses. 

**Required Intermediate-level Core Courses (12 credit hours):**

- ANT 2410 Cultural Anthropology
- ANT 2511 Biological Anthropology
- ANT 3101 Archaeology
- ANT 3610 Anthropological Linguistics

**Elective Courses - 4000-level elective courses (6 credit hours)**

As described above in the listing of elective courses in archaeology, biological anthropology and cultural anthropology.

**Requirements for the Anthropology Honors Program**

The purpose of the Honors Program is to provide outstanding Anthropology undergraduates with advanced, individually tailored training in areas of anthropology of interest to them. The program, operating independently of the major itself, involves a year of coursework and research culminating in the writing of an Honors thesis. Students in the second semester of their junior year, prior to completion of 90 semester hours, may apply to the program, which begins in the fall semester.

Admission is competitive, based on the student’s overall academic record:

- minimum overall 3.25 GPA,
- 3.5 GPA for USF Anthropology coursework,
- a two-page, personal statement indicating research interests, and
- a letter of recommendation from a member of the Department of Anthropology.

Successful completion of the program requires:

- maintenance of an overall 3.25 GPA,
- maintenance of a 3.5 GPA in the major,
- completion of ANT 4932 Honors Seminar, with a grade of B or better,
- completion of ANT 4970 (3) (Honors Thesis) with a grade of “S,”
- and completion of all other requirements for graduation.

See the Anthropology Department undergraduate advisor for further information and application forms.

**Anthropology Faculty**


**Department of Cell Biology, Microbiology & Molecular Biology**

**Department of Integrative Biology**

The departments of Cell Biology, Microbiology and Molecular Biology and Integrative Biology offer seven programs of study (majors) within the Biology discipline that are preparatory for careers in such areas as teaching, agriculture, medicine, dentistry, conservation, and biotechnology or for post-baccalaureate study in the various life sciences. Three of the majors—Cell and Molecular Biology (CAM); Microbiology (MIC) and Health Sciences (HLS) are offered by the Department of Cell Biology, Microbiology and Molecular Biology. The Department of Integrative Biology offers the following majors: Environmental Biology (ENB); Environmental Microbiology (EMB); Integrative Animal Biology (IAB); Marine Biology (MRN).

The degree in Microbiology (MIC) is offered by the Department of Cell Biology, Microbiology and Molecular Biology. The MIC degree provides students with a broad range of courses necessary to qualify for certification by the National Registry of Microbiologists, American Society of Microbiology, for employment in microbiology and related fields. This degree is preparatory for careers in teaching, medicine, biotechnology, and post-baccalaureate study in related life sciences. Students interested particularly in environmental microbiology may also elect the Environmental Microbiology (EMB) major offered within the Department of Integrative Biology. Students completing the Environmental Microbiology major can qualify for certification by the National Registry of Microbiologists, American Society of Microbiology.

In addition to a set of courses in biology, students must have a thorough preparation in other areas of natural sciences to be competitive for jobs or for further study beyond the baccalaureate. A modern biology curriculum is built on a foundation of mathematics, chemistry and physics. Students should study the requirements listed below and then make maximum use of the vigorous advising program maintained by the departments in structuring their programs.
Minimum requirements for Majors

A student must receive a C- grade or better in all Department of Integrative Biology and Department of Cell Biology, Microbiology, and Molecular Biology courses and supporting courses in the natural sciences, except if they are used as free elective courses. This specification applies to both USF and transfer courses.

Please note that some supporting science courses may require a grade of C or better in order to meet the prerequisite requirements for course sequences.

All students majoring in one of the programs offered through the departments of Integrative or Cell Biology, Microbiology and Molecular Biology and entering USF for the first time, in Fall 2009 or later, who subsequently earn three (3) D and/or F grades in USF coursework for their major and/or supporting coursework will be required to change to majors more appropriate to their goals and academic performances. Those majors may not include any conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology and Molecular Biology.

All continuing USF students who entered USF prior to Fall 2009 and who have not earned any D or F grades in USF major coursework or supporting coursework by the beginning of Fall 2009, will also be allowed three (3) D and/or F grades in subsequent terms before being required to choose another major more appropriate to their goals and academic performances, and not including any conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology and Molecular Biology.

Any continuing USF students who enter USF prior to Fall 2009 and who have earned greater than or equal to one (1) D or F grade in USF coursework for their major coursework or supporting coursework by the beginning of Fall 2009, will be allowed only two (2) more D and/or F grades in subsequent semesters before being required to choose other majors more appropriate to their goals and academic performances, and not including any majors conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology and Molecular Biology.

Grade Forgiveness will NOT apply to the mandated requirement of changing major.

Once a student has matriculated to USF Tampa, he/she is expected to take 100 percent of the required major coursework at USF Tampa.

• CELL AND MOLECULAR BIOLOGY (CAM) (CIP = 26.0101) (Track 1 of 2)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

BSC X010/X010L Biology I with Lab or BSC X010C or BSC X040/040L
BSC X011/X011L Biology II with Lab or BSC X011C or BSC X041/X041L or ZOO X0101/0101L or BOT X010/X010L or BOT X013/X013L
CHM X045/X045L General Chemistry I with Lab or CHM X045C or CHM X040 and CHM X041
CHM X046/X046L General Chemistry II with Lab or CHM X046C
CHM X210/X210L Organic Chemistry I with Lab and CHM X211/X211L or (CHM X210C and X211C) or (PHY X053/X053L and PHY X054/X054L) or (PHY X048/X048L and PHY X049/X049L)
MAC X311 Calculus I or MAC X233 or MAC X253 or MAC X281 or MAC X241
MAC X312 Calculus II or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321

REQUIREMENTS FOR THE MAJOR IN CELL AND MOLECULAR BIOLOGY (B.S.)

Minimum: 40 credit hours
1. Required Courses (29 credit hours):
   a. BSC 2010 Biology I Cellular Processes
   BSC 2010L Biology I Cellular Processes Laboratory
   BSC 2011 Biology II Diversity
   BSC 2011L Biology II Diversity Laboratory
   b. PCB 3063 General Genetics
   PCB 3063L General Genetics Laboratory
   PCB 3043 Principles of Ecology
   PCB 3043L Principles of Ecology Laboratory
   c. PCB 3023 Cell Biology
   PCB 3023L Cell Biology Laboratory
   MCB 3410 Cell Metabolism
PCB 4024 Molecular Biology of Cell
PCB 4026 Molecular Biology of Gene

2. Elective courses (minimum of 11 credit hours):
   PCB 3712 General Physiology
   PCB 4843 Principles of Neuroscience
   ZOO 4753C Human Histology and Molecular Pathology of Disease
   ZOO 4694 Developmental Biology
   MCB 3020C General Microbiology
   MCB 4503 Virology
   BOT 4434C Mycology
   PCB 4663 Human Genetics
   BCH 3053 Introductory Biochemistry
   BCH 3023L Basic Biochemistry Laboratory
   BSC 5420 Genetic Engineering
   BSC 4458 Bioinformatics
   PCB 4234 Principles of Immunology
   PCB 4671 Molecular Evolution
   PCB 4843 Principles of Neuroscience
   PCB 5616 Molecular Phylogenetics
   PCB 4522C Experimental Genetics and Cell Biology
   BSC 4910 Undergraduate Research
   BSC 4933 Selected Topics
   BSC 4905 Independent Study

A maximum of 4 credit hours of Undergraduate Research (BSC 4910) may be applied. A minimum of 20 credits hours of courses must be taken in residency and be applicable to the major.

3. Supporting Courses in the Natural Sciences (minimum 34 credits hours):
   a. CHM 2045 General Chemistry I
      CHM 2045L General Chemistry I Laboratory
      CHM 2046 General Chemistry II
      CHM 2046L General Chemistry II Laboratory
   b. CHM 2210 Organic Chemistry I
      CHM 2210L Organic Chemistry I Laboratory
      CHM 2211 Organic Chemistry II
      CHM 2211L Organic Chemistry II Laboratory
   c. MAC 2241 Life Sciences Calculus I and MAC 2242 Life Sciences Calculus II
      or MAC 2281 Engineering Calculus I and MAC 2281 Engineering Calculus II
   d. PHY 2048 General Physics II and PHY 2049L General Physics II
      or PHY 2053/2053L General Physics II and PHY 2054/2054L General Physics II

4. Meet all College and University requirements.

**Accelerated Non-Thesis B.S./M.S. Program in Biology**

This program allows B.S. majors to take graduate courses for the elective part of the Biology degree and apply them to a non-thesis M.S. degree in Biology. Successful students will be able to earn the M.S. degree in two additional semesters beyond the completion of the B.S. degree.

This accelerated program shares 12 credits between already existing degrees/concentrations:
   - B.S. in Biology, Concentration in Cell and Molecular Biology (submitted)
   - M.S in Biology, Concentration in Cell and Molecular Biology (non-thesis option)

**Target students and expected outcomes**

This program will appeal to the more competitive Biology majors who would benefit professionally from having the M.S. when they enter the job market but do not want to commit to the longer time a thesis M.S. or a Ph.D. program takes to complete. Professions that do not require bench laboratory experience but desire the broadened knowledge base are targeted. Graduates from this program would be ideally suited for health professions, technology based industry, education and government. We also expect that some students will be interested in doctoral education in the biological or biomedical areas.
Description and Requirements

Biology majors who have completed the following courses may apply to this program:

- PCB 3023 Cell Biology
- PCB 3063 General Genetics
- MCB 3410 Cell Metabolism
- PCB 4024 Molecular Biology of the Cell or PCB 4026 Molecular Biology of the Gene

Students who have been admitted to the program but subsequently fail to achieve a 3.0 GPA in the last 60 hours of their B.S. degree, or who do not complete at least 30 of their last 60 hours at USF, will be dismissed from the program.

Once accepted, students must meet with BioAdvise (the advising office for biological sciences within the College of Arts and Sciences) to prepare an action plan to complete the B.S./M.S. accelerated program. This requires them to take all the courses required for the B.S. in Biology: Concentration in Cell and Molecular Biology. Students may take up to 12 credits of graduate courses as electives in Cell, Molecular and Microbiology and apply those courses to both the B.S. and M.S. degrees. They will not be admitted as graduate students until they have completed their B.S. degree and met all the requirements for admission to Cell, Molecular and Microbiology graduate students.

The action plan should include a schedule of coursework to complete their B.S. degrees and a date in their last year in the B.S. program to take the GRE.

Application materials are the same as the M.S. in Biology:
1. Two official transcripts of undergraduate work from other institutions. Applicants need not supply USF transcripts.
2. Three letters of recommendation
3. A brief essay stating your professional goals
4. GRE scores must be sent to USF directly from the testing agency (USF institution code is 5828)
5. Three letters of recommendation

Graduate Degree Requirements

Students admitted into the M.S. portion of the program must complete all the requirements for the M.S. degree (non-thesis) within three semesters of admission. The requirement is 30 hours of graduate work with at least 16 of these hours completed at the 6000 level; 26 hours must be formally structured courses; and at least 15 hours must be in Cell, Molecular and Microbiology courses. Students will be required to take 3 core courses from the list below as part of these 26 hours. Of the required 26 hours, 9 hours will be derived from the core-Cell, Molecular and Microbiology graduate courses listed below (see associated curriculum). These requirements can be partially met by up to 12 hours of graduate courses taken as undergraduates. Any graduate class taken outside of Cell, Molecular and Microbiology must be approved by the Cell, Molecular and Microbiology Graduate Director. Students should be aware that a B grade or better is required for every graduate class applied to the MS portion of their degree. In addition, students will be required to pass an oral qualifying exam based on a review paper submitted in their final semester. Students must form a committee as part of their action plan to complete their graduate work. This committee will be comprised of at least 3 Cell, Molecular and Microbiology faculty, and will serve as the examination committee for the review paper required as part of the MS portion of their degree. Upon approval of that paper, students must successfully complete a comprehensive oral exam by their committee.

Timeline and benchmarks:

1. Completion of prerequisite upper division courses and application to the accelerated program. Typically students will be in their junior year.
2. Acceptance into the program and an action plan within a semester of application.
3. Students will take up to 12 credits of graduate credit in Cell, Molecular and Microbiology courses following acceptance into the program. Typically these courses will be taken in the latter half of the junior year and in the senior year. BioAdvise will monitor the progress of the students and ensure they follow their action plan. Students who do not complete at least 9 hours of graduate work by graduation will be dropped from the accelerated M.S. program.
4. GRE exams will be taken in a timely manner so scores will be available for admission to the M.S. portion of the program. Students who do not complete the GRE in time will not be admitted to the accelerated M.S. program.
5. Students admitted to the accelerated program must form a committee prior to the beginning of their first semester in the M.S. portion of the program and must continue to follow the action plan which will be monitored by BioAdvise.
6. Students admitted to the accelerated M.S. program must complete the requirements within three semesters or will be dismissed from the program.

Year 1

BSC 2010 Cellular Processes
BSC 2010L  Cellular Processes Laboratory
BSC 2010  Diversity
BSC 2011L  Diversity Laboratory

Year 2
- MCB 3410  Cell Metabolism
- PCB 3063  General Genetics
- PCB 3063L  General Genetics Laboratory
- PCB 3023  Cell Biology
- PCB 3023L  Cell Biology Laboratory
- MCB 3032C  General Microbiology

Year 3
- PCB 4024  Molecular Biology of the Cell
- PCB 4026  Molecular Biology of the Gene

Three (3) credit hours of 5000-level elective structured course

Year 4
- Nine (9) credit hours of 5000- or 6000-level elective courses

Year 5
- Eighteen (18) hours of graduate coursework - 9 hours of which must be derived from the list below:
  - BSC 6932  Selected Topics in Biology
  - PCB 6525  Molecular Genetics
  - PCB 6236  Advanced Immunology

Four (4) credit hours of non-structured courses (seminar, independent study, laboratory research)

Oral exam and review paper done at the end of Year 5

Comprehensive Oral Qualifying Examination.

A final comprehensive oral examination is required for all master’s students. This examination is open to all departmental faculty. Students must take their comprehensive exam within two years of matriculation and the exam is normally taken after the completion of all formal course work. Thesis students must take the examination at least one semester before the thesis is presented. Any graduate work counted toward the requirement for the M.S. degree must be completed within five (5) years after matriculation.

- ENVIRONMENTAL BIOLOGY (ENB) (CIP = 26.0101) (Track 1 of 2)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

- BSC X010/X010L  Biology I with Lab or BSC X010C or BSC X040/040L
- BSC X011/X011L  Biology II with Lab or BSC X2011C or BSC X041/X041L or ZOO X0101/0101L or BOT X010/X010L or BOT X013/X013L
- CHM X045/X045L  General Chemistry I with Lab or CHM X045C or CHM X040 and CHM X041
- CHM X046/X046L  General Chemistry II with Lab or CHM X046C
- CHM X210/X210L  Organic Chemistry I with Lab and CHM X211/X211L or (CHM X210C and X211C) or (PHY X053/X053L and PHY X054/X054L) or (PHY X048/X048L and PHY X049/X049L)
- MAC X311 Calculus I or MAC X233 or MAC X253 or MAC X281 or MAC X241
- MAC X312 Calculus II or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321

**REQUIREMENTS FOR THE MAJOR IN ENVIRONMENTAL BIOLOGY (B.S.)**

Minimum:  40 credit hours

1. **Required Courses** (25-26 credit hours)
   - Biology Core Curriculum (16 credit hours):
     - BSC 2010  Biology I Cellular Processes
     - BSC 2010L  Biology I Cellular Processes Laboratory
2. Elective Courses (minimum 14-15 credit hours):
Integrative Biology or Cell, Molecular and Microbiology courses, with the exception of those intended for non-majors. A maximum of 4 credit hours of Undergraduate Research (BSC 4910) may be applied. A minimum of 20 credit hours of courses must be taken in residency and be applicable to the major.

3. Supporting Courses in the Natural Sciences (minimum 34 credit hours):

a. CHM 2045 General Chemistry I
   CHM 2045L General Chemistry I Laboratory
   CHM 2046 General Chemistry II
   CHM 2046L General Chemistry II Laboratory

b. CHM 2210 Organic Chemistry I
   CHM 2210L Organic Chemistry I Laboratory
   CHM 2211 Organic Chemistry II
   CHM 2211L Organic Chemistry II Laboratory

c. MAC 2241 Life Sciences Calculus I and MAC 2242 Life Sciences Calculus II
   or
   MAC 2281 Engineering Calculus I and MAC 2281 Engineering Calculus II
   or
   MAC 2311 Calculus I and MAC 2312 Calculus II
   STA 2023 Introductory Statistics I may be substituted for any Calculus II
   or
   PHY 2048/2048L General Physics II and PHY 2094/2094L General Physics II
   or
   PHY 2053/2053L General Physics II and PHY 2054/2054L General Physics II

4. Meet all College and University requirements

- ENVIRONMENTAL MICROBIOLOGY (EMB) (CIP = 26.0101) (Track 1 of 2)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution
Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

   BSC X010/X010L Biology I with Lab or BSC X010C or BSC X040/040L
   BSC X011/X011L Biology II with Lab or BSC X2011C or BSC X041/X041L or ZOO X0101/0101L or BOT X010/X010L or BOT X013/X013L
   CHM X045/X045L General Chemistry I with Lab or CHM X045C or CHM X040 and CHM X041
   CHM X046/X046L General Chemistry II with Lab or CHM X046C
   CHM X210/X210L Organic Chemistry I with Lab and CHM X211/X211L or (CHM X210C and X211C) or (PHY X053/X053L and PHY X054/X054L) or (PHY X048/X048L and PHY X049/X049L)
   MAC X311 Calculus I or MAC X233 or MAC X253 or MAC X281 or MAC X241
   MAC X312 Calculus II or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321

REQUIREMENTS FOR THE MAJOR IN ENVIRONMENTAL MICROBIOLOGY (B.S.)
Minimum: 40 credit hours
1. Required Courses (28-29 credit hours):
   e. BSC 2010 Biology I Cellular Processes
BSC 2010L Biology I Cellular Processes Laboratory
BSC 2011 Biology II Diversity
BSC 2011L Biology II Diversity Laboratory
f. PCB 3043 Principles of Ecology
   PCB 3043L Principles of Ecology Laboratory
   PCB 3063 General Genetics
   PCB 3063L General Genetics Laboratory

h. Choose one of:
   BSC 4933 Microbiology of Waterborne Diseases
   BSC 5444 Genomics
   MCB 4202 Ecology of Infectious Diseases
   MCB 5655 Applied and Environmental Microbiology
   ZOO 4233 Parasitology

2. Elective Courses (minimum 7-9 credit hours):
   Integrative Biology and Cell, Molecular and Microbiology courses, with the exception of those intended for non-
   majors. A maximum of 4 credit hours of Undergraduate Research (BSC 4910) may be applied. A minimum of 20
   credit hours of courses must be taken in residency and be applicable to the major.

3. Supporting Courses in the Natural Sciences (minimum 34 credit hours)
   a. CHM 2045 General Chemistry I
      CHM 2045L General Chemistry I Laboratory
      CHM 2046 General Chemistry II
      CHM 2046L General Chemistry II Laboratory
   b. CHM 2210 Organic Chemistry I
      CHM 2210L Organic Chemistry I Laboratory
      CHM 2211 Organic Chemistry II
      CHM 2211L Organic Chemistry II Laboratory
   c. MAC 2241 Life Sciences Calculus I and MAC 2242 Life Sciences Calculus II
      or
      MAC 2281 Engineering Calculus I and MAC 2281 Engineering Calculus II
      or
      MAC 2311 Calculus I and MAC 2312 Calculus II
      STA 2023 Introductory Statistics I may be substituted for any Calculus II
   d. PHY 2048/2048L General Physics II and PHY 2094/2049L General Physics II
      or
      PHY 2053/2053L General Physics II and PHY 2054/2054L General Physics II
   e. PHY 2048/2048L General Physics II and PHY 2094/2049L General Physics II
      or
      PHY 2053/2053L General Physics II and PHY 2054/2054L General Physics II

4. Meet all College and University requirements

• HEALTH SCIENCES (HLS) (CIP = 51.0000) (Track 1/7)
   TOTAL PROGRAM HOURS = 120 CREDIT HOURS
   This degree program is designed for those interested in health science, the health care industry and the allied health
   professions. The degree has a flexible curriculum so students can choose an area of specialization to suit their career
   interests. Career choices after graduation include working in health related nonprofit organizations, governmental and
   community agencies, medical records, patient education, geriatric care settings, diagnostic laboratories, hospitals, the
   pharmaceutical industry, medical and wellness facilities and businesses. Students graduating with this degree may
   enter the workforce or continue their education in a variety of fields that might include advanced degree programs in
   Health Management, Physical or Occupational Therapy, Physician Assistant, Health Administration, Healthcare
   Informatics, Communication Disorders and Social Work to name a few. (This degree has a greater social sciences,
   business and humanities focus than the more natural science and mathematics intensive degrees required for the
   professional schools in medicine, dentistry, pharmacy or veterinary medicine; for these see the health professions
   section in this catalog).

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution:
   Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses
   required for the major may also meet General Education Requirements thereby transferring maximum hours to the
   university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the
   university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The
state mandated prerequisites are included in the core requirements for the degree. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

- BSC XXXXC or BSC X007/X007L or BSC X005/X005L or BSC X010/X010L
- MAC X105
- PSY X012
- STA XXX or STA X023 or STA X014
- DEP X053 or DEP X004 or DEP X000 or CLP X140
- APK X0105C or BSC X085/X085L or (BSC X093 and BSC X094)
- ENC X210 or ENC X254

Requirements for the Degree in Health Sciences (B.S.)

Core Requirements (35 credit hours):
- BSC 1010 The Biology of Humans or BSC 1005 Principles of Biology for Non-Majors
- (BSC 2085 and BSC 2085L Anatomy and Physiology I for Health Professions and Lab) or (BSC 2093 Human Anatomy and Physiology I and BSC 2094 Human Anatomy and Physiology II and Lab)
- MAC 1105 College Algebra
- STA 2023 Introductory Statistics I
- HSC 2000 Introduction to Health Professions
- ENC 2210 Technical Writing
- DEP 2004 The Life Cycle
- PHI 3633 Biomedical Ethics or PHI 3636 Professional Ethics
- CLT 3040 Scientific and Medical Terminology
- PSY 2012 Introduction to Psychological Science
- COM 2000 Introduction to Communication or ACG 2021 Principles of Financial Accounting or ANT 2511 Biological Anthropology or GEY 2000 Introduction to Gerontology or SYG 2000 Introduction to Sociology

Unless stated otherwise, a grade of C- is the minimum acceptable grade.

Concentrations

Students must choose 30 credit hours total, depending on the student’s career goals these can be 30 credits from one concentration or a combination of two different concentrations with 15 credits from each.

A. Biological Health Sciences Concentration (HBH)
- ANT 4520C Forensic Anthropology
- ANT 4462 Health Illness and Culture
- BMS 4406 Principles of Human Pharmacology
- BSC 3022 Biology of Aging
- BSC 4933 Selected Topics in Biology
- CHM 2023 Chemistry for Today
- CHM 2045 General Chemistry I and CHM 2045L General Chemistry Laboratory
- CHM 2046 General Chemistry II and CHM 2046L General Chemistry Laboratory
- GYE 3601 Physical Change and Aging
- HSC 3541 Human Structure & Function
- HSC 4504 Foundation of Public Health Immunology
- HSC 4554 Survey of Human Disease
- HSC 4580 Foundation of Food Safety
- HSC 4624 Foundation of Global Health
- HSC 4933 Special Topics in Public Health
- HUN 3296 Nutrition and Disease
- HUN 3272 Sports Nutrition
- LIS 4930 Selected Topics in Information Studies
- PHC 3302 Introduction to Environmental & Occupational Health
- PHC 4030 Introduction to Epidemiology
- PHC 4101 Introduction to Public Health
- PHC 4406 Pop Culture, Vices, and Epidemiology
- PHC 4542 Stress, Health & College Life
- PHY 2020 Conceptual Physics or PHY 2053/2053L Physics I with Lab
- PHY 2054/L Physics II with Lab
- ZOO 4512 Sociobiology

Communication Sciences & Disorders Cluster
- SPA 3030 Introduction to Hearing Science
- SPA 3101 Anatomy and Physiology of the Speech & Hearing Mechanism
SPA 3002  Introduction to Disorders of Speech and Language
SPA 3004  Introduction to Language Development and Disorders
SPA 4104  Neuroanatomy of Speech, Language & Hearing

B. Social and Behavioral Health Sciences Concentration (HBS)
CLP 4143  Abnormal Psychology
COM 4022  Health Communication
COM 4020  Communicating Illness, Grief and Loss
COM 4225  Global and Cultural Health Communication
HSC 4172  Women’s Health: A Public Health Perspective
HSC 4211  Health Behavior and Society
HSC 4579  Foundation of Maternal & Child Health
HSC 4631  Critical Issues in Public Health
HSC 4933  Special Topics in Public Health
LIS 4930  Selected Topics in Information Studies
PHI 4930  Selected Topics
SOP 4330  Social Psychology of HIV/AIDS
SOW 3102  Introduction to Social Work
SOW 3210  The American Social Welfare System
SPC 4321  Communication and Aging
SYO 4400  Medical Sociology
WST 4320  The Politics of Women’s Health

Mental Health Cluster
MHS 3411  Multidisciplinary Behavioral Healthcare Services
MHS 4002  Behavioral Health Systems Delivery
MHS 4408  Exemplary Practices in Behavioral HC Treatment
MHS 4931  Selected Topics
MHS 4703  Legal, Ethical and Professional Issues in Behavioral Healthcare

Substance Abuse Cluster
MHS 3411  Multidisciplinary Behavioral Healthcare Services
MHS 4408  Exemplary Practices in Behavioral Healthcare Treatment
MHS 4931  Selected Topics
MHS 4703  Legal, Ethical and Professional Issues in Behavioral Healthcare
PSB 3444  Drugs and Behavior

C. Aging Health Studies Concentration (HAH)
BSC 3022  Biology of Aging
GEY 3601  Physical Change and Aging
GEY 4322  Gerontological Case Management
MHS 4931  Selected Topics
GEY 4327  Understanding Policy and Practice in Long Term Care
GEY 4360  Gerontological Counseling
GEY 4608  Alzheimer’s Disease Management
GEY 4628  Race, Ethnicity, and Aging
GEY 4641  Death and Dying
GEY 4935  Special Topics in Gerontology
HSC 4211  Health, Behavior & Society
HSC 4630  Understanding US Healthcare
PHC 4931  Health Care Ethics
SPA 3002  Introduction to Disorders of Speech and Language
SOW 3210  The American Social Welfare System

D. Health Management Concentration (HHM)
ACG 2071  Principles of Managerial Accounting
GEY 4635  Business Management in an Aging Society
PHC 4101  Introduction to Public Health
HSC 4211  Health, Behavior & Society
HSC 4624  Foundation of Global Health
HSC 4933  Special Topics in Public Health
MAN 3025  Principles of Management
PAD 3003  Introduction to Public Administration
PAD 4204  Public Financial Administration
PHC 4931  Health Care Ethics
PHI 3636  Professional Ethics
E. Health Information Technology Concentration (HHI)

LIS 2937 Selected Topics in Library
ISM 3113 Systems Analysis and Design
LIS 3352 Interaction Design
LIS 3353 IT Concepts for Information Professionals
LIS 3361 World Wide Web Page Design and Management
LIS 3783 Information Architecture or LIS 4365 Web Design Technologies
LIS 4204 Information Behaviors
LIS 4414 Information Policy and Ethics
LIS 4482 Networks and Communication
LIS 4930 Selected Topics in Information Studies
EEL 4935 Special Electrical Engineering Topics I
PAD 4712 Managing Information Resources in the Public Sector

Additional Concentration Options/Combinations:
- Aging Health Sciences & Health Management Concentration (HAM)
- Social and Behavioral Health Sciences & Aging Health Studies Concentration (HAS)
- Biological Health Sciences & Aging Health Studies Concentration (HBA)
- Biological Health Sciences & Health Information Technology Concentration (HBI)
- Biological Health Sciences & Health Management Concentration (HBM)
- Aging Health Sciences & Health Information Technology Concentration (HIT)
- Social and Behavioral Health Sciences & Health Management Concentration (HMG)
- Health Management & Health Information Technology Concentration (HMT)
- Biological Health Sciences & Social and Behavioral Health Sciences Concentration (HSB)
- Social and Behavioral Health Sciences & Health Information Technology Concentration (HST)

**INTEGRATIVE ANIMAL BIOLOGY (IAB) (CIP = 26.0101) (Track 1 of 2)**

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution**

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

- BSC X010/X010L Biology I with Lab or BSC X010C or BSC X040/040L
- BSC X011/X011L Biology II with Lab or BSC X2011C or BSC X041/X041L or ZOO X0101/0101L or BOT X010/X010L or BOT X013/X013L
- CHM X045/X045L General Chemistry I with Lab or CHM X045C or CHM X040 and CHM X041
- CHM X046/X046L General Chemistry II with Lab or CHM X046C
- CHM X210/X210L Organic Chemistry I with Lab and CHM X211/X211L or (CHM X210C and X211C) or (PHY X053/X053L and PHY X054/X054L) or (PHY X048/X048L and PHY X049/X049L)
- MAC X311 Calculus I or MAC X233 or MAC X253 or MAC X281 or MAC X241
- MAC X312 Calculus II or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321

**REQUIREMENTS FOR THE MAJOR IN INTEGRATIVE ANIMAL BIOLOGY (B.S.)**

Minimum: 40 credit hours

1. **Required Courses (24-25 credit hours)**
   - BSC 2010 Biology I Cellular Processes
   - BSC 2010L Biology I Cellular Processes Laboratory
   - BSC 2011 Biology II Diversity
   - BSC 2011L Biology II Diversity Laboratory
b. PCB 3043 Principles of Ecology
   PCB 3043L Principles of Ecology Laboratory
   PCB 3063 General Genetics
   PCB 3063L General Genetics Laboratory

c. (ENY 3004C Introduction to Entomology and PCB 3712 General Physiology and PCB 3713L General Physiology Laboratory)
   or
   (ZOO 3205C Advanced Vertebrate Zoology and PCB 3712 General Physiology and PCB 3713L General Physiology Laboratory)
   or
   (ZOO 2303 Vertebrate Zoology and BSC 4933 Selected Topics in Biology and either:
     [PCB 3712 General Physiology and PCB 3713L General Physiology Laboratory] or
     [PCB 4723 Animal Physiology and PCB 4723L Animal Physiology Laboratory])
   or
   (ZOO 3713C Comparative Vertebrate Anatomy and either:
     [PCB 3712 General Physiology and PCB 3713L General Physiology Laboratory] or
     [PCB 4723 Animal Physiology and PCB 4723L Animal Physiology Laboratory])
   or
   (BSC 2093C Human Anatomy and Physiology I and BSC 2094C Human Anatomy and Physiology II)

2. Elective Courses (minimum 16 credit hours):
   Any Integrative Biology and Cell, Molecular and Microbiology courses, with the exception of those intended for non-majors. A maximum of 4 credit hours of Undergraduate Research (BSC 4910) may be applied. A minimum of 20 credit hours of courses must be taken in residency and be applicable to the major.

3. Supporting Courses in the Natural Sciences (minimum 34 hours):
   a. CHM 2045 General Chemistry I
      CHM 2045L General Chemistry I Laboratory
      CHM 2046 General Chemistry II
      CHM 2046L General Chemistry II Laboratory
   b. CHM 2210 Organic Chemistry I
      CHM 2210L Organic Chemistry I Laboratory
      CHM 2211 Organic Chemistry II
      CHM 2211L Organic Chemistry II Laboratory
   c. MAC 2241 Life Sciences Calculus I and MAC 2242 Life Sciences Calculus II
      or
      MAC 2281 Engineering Calculus I and MAC 2281 Engineering Calculus II
      or
      MAC 2311 Calculus I and MAC 2312 Calculus II
   d. PHY 2048/2048L General Physics II and PHY 2049/2049L General Physics II
      or
      PHY 2053/2053L General Physics II and PHY 2054/2054L General Physics II

4. Meet all College and University requirements

**MARINE BIOLOGY (MRN) (CIP = 26.0101) (Track 1 of 2)**

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

BSC X010/X010L Biology I with Lab or BSC X010C or BSC X040/040L
BSC X011/X011L Biology II with Lab or BSC X2011C or BSC X041/X041L or ZOO X0101/0101L or BOT X010/X010L or BOT X013/X013L
CHM X045/X045L General Chemistry I with Lab or CHM X045C or CHM X040 and CHM X041
CHM X046/X046L General Chemistry II with Lab or CHM X046C
CHM X210/X210L Organic Chemistry I with Lab and CHM X211/X211L or (CHM X210C and X211C) or (PHY X053/X053L and PHY X054/X054L) or (PHY X048/X048L and PHY X049/X049L)
MAC X311 Calculus I or MAC X233 or MAC X253 or MAC X281 or MAC X241
MAC X312 Calculus II or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321
REQUIREMENTS FOR THE MAJOR IN MARINE BIOLOGY (B.S.)

Minimum: 40 credit hours

1. Required Courses (26-27 credit hours)
   e. BSC 2010 Biology I Cellular Processes
   BSC 2010L Biology I Cellular Processes Laboratory
   BSC 2011 Biology II Diversity
   BSC 2011L Biology II Diversity Laboratory
   f. PCB 3043 Principles of Ecology
   PCB 3043L Principles of Ecology Laboratory
   PCB 3063 General Genetics
   PCB 3063L General Genetics Laboratory
   g. BSC 3312 Marine Biology
   BSC 4937 Seminar in Marine Biology
   h. Choose one of:
      BOT 3373C Vascular Plants
      MCB 3020C General Microbiology
      ZOO 2303 Vertebrate Zoology and BSC 4933 Selected Topics in Biology
      ZOO 3205C Advanced Invertebrate Zoology
      ZOO 3713C Comparative Vertebrate Anatomy

2. Elective Courses (minimum 14-15 credit hours):
   BSC 4313C Advanced Marine Biology
   BSC 4933 Special Topics in Biology
   GIS 5049 GIS for Non-Majors
   GLY 4734 Beaches and Coastal Environments
   OCB 6050 Biological Oceanography
   OCC 6050 Chemical Oceanography
   OCP 6050 Physical Oceanography
   PCB 3712 General Physiology and PCB 3713L General Physiology Laboratory
   PCB 4674 Organic Evolution
   PCB 4723 Animal Physiology and PCB 4723L Animal Physiology Laboratory
   MCB 4404 Microbial Physiology and Genetics and MCB 4404L Microbial Physiology & Genetics Laboratory
   MCB 5655 Applied and Environmental Microbiology
   ZOO 4513 Animal Behavior
   ZOO 5555C Marine Animal Ecology
   Any course used from section1d. above may not be used to satisfy the section 2. requirement above.
   A minimum of 6 credit hours at the 4000-level should be taken.
   A maximum of 6 credit hours may be taken outside of the department with prior approval. A maximum of 4 credit
   hours of Undergraduate Research (BSC 4910, MCB 4910) may be applied. A minimum of 20 credit hours of courses
   must be taken in residency and be applicable to the major.

3. Supporting Courses in the Natural Sciences (minimum 34 credit hours):
   a. CHM 2045 General Chemistry I
      CHM 2045L General Chemistry I Laboratory
      CHM 2046 General Chemistry II
      CHM 2046L General Chemistry II Laboratory
   b. CHM 2210 Organic Chemistry I
      CHM 2210L Organic Chemistry I Laboratory
      CHM 2211 Organic Chemistry II
      CHM 2211L Organic Chemistry II Laboratory
   c. MAC 2241 Life Sciences Calculus I and MAC 2242 Life Sciences Calculus II
      or
      MAC 2281 Engineering Calculus I and MAC 2281 Engineering Calculus II
      or
      MAC 2311 Calculus I and MAC 2312 Calculus II
      STA 2023 Introductory Statistics I may be substituted for any Calculus II
   d. PHY 2048/2048L General Physics II and PHY 2094/2049L General Physics II
      or
      PHY 2053/2053L General Physics II and PHY 2054/2049L General Physics II

4. Meet all College and University requirements
• MICROBIOLOGY (MIC) (CIP = 26.0503)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted.

Unless stated otherwise, a grade of C- is the minimum acceptable grade.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

BSC X010/X010L Biology I with Lab or BSC X010C or BSC X040/040L or PCB X011C
BSC X011/X011L Biology II with Lab or BSC X2011C or BSC X041/X041L or BSC X041/X041L
CHM X045/X045L General Chemistry I with Lab or CHM X045C or (CHM X040 and CHM X041)
CHM X046/X046L General Chemistry II with Lab or CHM X046C
BSC X2010C Cell Biology
CHM X211/X211L Organic Chemistry I with Lab and CHM X211/X211C or (CHM X210C and X211C) or (PHY X053/X053L and PHY X054/X054L) or (PHY X048/X048L and PHY X049/X049L)
MAC X311 Calculus I or MAC X233 or MAC X253 or MAC X281 or MAC X241
MAC X312 Calculus II or MAC X282 or MAC X234 or STA X023 or STA X024 or STA X321

REQUIREMENTS FOR THE MAJOR MICROBIOLOGY (B.S.)

Department of Cell Biology, Microbiology, and Molecular Biology

Minimum: 42 credit hours

1. Required courses [30 credit hours]:

a. BSC 2010 Biology I Cellular Processes
   BSC 2010L Biology I Cellular Processes Laboratory
   BSC 2011 Biology II Diversity
   BSC 2011L Biology II Diversity Laboratory

b. PCB 3023 Cell Biology
   PCB 3023L Cell Biology Laboratory
   PCB 3063 General Genetics
   MCB 3410 Cell Metabolism
   MCB 3020C General Microbiology

c. MCB 4115C Determinative Bacteriology
   MCB 4320 Molecular Microbiology

2. Elective Courses: [12 hours]

   BSC 4905 Independent Study*
   BSC 4933 Selected Topics in Biology*
   BSC 5931 Selected Topics in Biology*
   BOT 4434C Mycology
   MCB 4503 Virology
   MCB 4313 Industrial Microbiology
   MCB 4905 Microbiology Undergraduate Research
   MCB 4934 Seminar in Microbiology
   MCB 5206 Public Health and Pathogenic Microbiology
   MCB 5655 Applied and Environmental Biology
   MCB 5815 Medical Mycology
   PCB 4234 Principles of Immunology
   BCH 3053 Introductory Biochemistry
   BCH 3023L Basic Biochemistry Laboratory
   MCB 4404 Microbial Physiology and Genetics
   MCB 4404L Microbial Physiology and Genetics Laboratory

*Please see an Academic Advisor for appropriate selected topics courses.
A maximum of 4 credit hours of Undergraduate Research (MCB 4910) may be applied.

A minimum of 20 credit hours of courses must be taken in residency and be applicable to the major.

3. Supporting Courses in the Natural Sciences (minimum 34 credit hours):

   a. CHM 2045 General Chemistry I
Accelerated Non-Thesis B.S./M.S. Program in Microbiology

This program allows B.S. majors in Microbiology to take graduate courses for the elective part of the Microbiology degree and apply them to a non-thesis M.S. degree in Microbiology. Successful students will be able to earn the M.S. degree in two additional semesters beyond the completion of the B.S. degree.

This accelerated program shares 12 credits between already existing degrees/concentrations:
- B.S. in Microbiology
- M.S in Microbiology (NT)

Target students and expected outcomes

This program will appeal to the more competitive Microbiology majors who would benefit professionally from having the M.S. when they enter the job market but do not want to commit to the longer time a thesis M.S. or a Ph.D. program takes to complete. Professions that do not require bench laboratory experience but desire the broadened knowledge base are targeted. Graduates from this program would be ideally suited for health professions, technology based industry, education and government. We also expect that some students will be interested in doctoral education in the biological or biomedical areas.

Description and Requirements

Biology majors who have completed the following courses may apply to this program:
- PCB 3023 Cell Biology
- PCB 3063 Genetics
- MCB 3410 Cell Metabolism
- MCB 3032 Microbiology
- MCB 4115C Determinative Bacteriology

Graduate Degree Requirements

Students admitted into the M.S. portion of the program must complete all the requirements for the M.S. degree (non-thesis) within three semesters of admission. The requirement is 30 hours of graduate work with at least 16 of these hours completed at the 6000 level; 26 hours must be formally structured courses; and at least 15 hours must be in Cell, Molecular and Microbiology courses. Students will be required to take 3 core courses from the list below as part of these 26 hours. Of the required 26 hours, 9 hours will be derived from the core- Cell, Molecular and Microbiology graduate courses listed below (see associated curriculum). These requirements can be partially met by up to 12 hours of graduate courses taken as undergraduates. Any graduate class taken outside of Cell, Molecular and Microbiology must be approved by the Cell, Molecular and Microbiology Graduate Director. Students should be aware that a B grade or better is required for every graduate class applied to the MS portion of their degree. In addition, students will be required to pass an oral qualifying exam based on a review paper submitted in their final semester. Students must form a committee as part of their action plan to complete their graduate work. This committee will be comprised of at least 3 Cell, Molecular and Microbiology faculty, and will serve as the examination committee for the review paper required as part of the MS portion of their degree. Upon approval of that paper, students must successfully complete a comprehensive oral exam by their committee.

Timeline and benchmarks:
1. Completion of prerequisite upper division courses and application to the accelerated program. Typically students will be in their junior year.
2. Acceptance into the program and an action plan within a semester of application.
3. Students will take up to 12 credits of graduate credit in Cell, Molecular and Microbiology courses following acceptance into the program. Typically these courses will be taken in the latter half of the junior year and in the senior year. BioAdvise will monitor the progress of the students and ensure they follow their action plan. Students who do not complete at least 9 hours of graduate work by graduation will be dropped from the accelerated M.S. program.
4. GRE exams will be taken in a timely manner so scores will be available for admission to the M.S. portion of the program. Students who do not complete the GRE in time will not be admitted to the accelerated M.S. program.
5. Students admitted to the accelerated program must form a committee prior to the beginning of their first semester in the M.S. portion of the program and must continue to follow the action plan which will be monitored by BioAdvise.
6. Students admitted to the accelerated M.S. program must complete the requirements within three semesters or will be dismissed from the program.

Year 1
- BSC 2010 Cellular Processes
- BSC 2010L Cellular Processes Laboratory
- BSC 2011 Diversity
- BSC 2011L Diversity Laboratory

Year 2
- MCB 3410 Cell Metabolism
- PCB 3063 General Genetics
- PCB 3063L General Genetics Laboratory
- PCB 3023 Cell Biology
- PCB 3023L Cell Biology Laboratory
- MCB 3032C General Microbiology

Year 3
- MCB 4115C Determinative Bacteriology
- Three (3) credit hours of 5000-level elective structured course

Year 4
- MCB 4320 Molecular Microbiology
- Nine (9) credit hours of 5000- or 6000-level elective courses

Year 5
- Eighteen (18) hours of graduate coursework - 9 hours of which must be derived from the list below:
  - BSC 6932 Selected Topics in Biology
  - PCB 6236 Advanced Immunology
  - PCB 6525 Molecular Genetics
  - MCB 5206 Public Health and Pathogenic Microbiology
  - MCB 5655 Applied and Environmental Microbiology
  - MCB 5815 Medical Mycology
  - Four (4) credit hours of non-structured courses (seminar, independent study, laboratory research)
  - Oral exam and review paper done at the end of Year 5

Comprehensive Oral Qualifying Examination.
A final comprehensive oral examination is required for all master's students. This examination is open to all departmental faculty. Students must take their comprehensive exam within two years of matriculation and the exam is normally taken after the completion of all formal course work. Thesis students must take the examination at least one semester before the thesis is presented. Any graduate work counted toward the requirement for the M.S. degree must be completed within five (5) years after matriculation.

Requirements for the Minor in Microbiology (MIC)
The minor in Microbiology consists of 26 credit hours, which include:

**Required Courses:**
- BSC 2010 Biology I Cellular Processes
- BSC 2010L Biology I Cellular Processes Laboratory
- PCB 3023 Cell Biology
- PCB 3023L Cell Biology Laboratory
- PCB 3063 General Genetics
- MCB 3410 Cell Metabolism or BCH 3023 Biochemistry
- MCB 3020C General Microbiology
The requirements below. Additional courses in computer programming, economics, management, engineering, statistics, writing, and other applied disciplines are strongly recommended to strengthen the degree for subsequent professional employment. Recommended courses are listed in the degree requirements. A grade of C or better is required in each chemistry major course and each supporting course specified for a chemistry degree. All courses which are graded S/U only. Nine hours of upper-level chemistry courses must be completed at USF for the Bachelor of Arts in Chemistry and the Bachelor of Science in Chemistry degrees. Twelve hours of upper-level major applicable courses must be completed at USF for the Interdisciplinary Natural Sciences degree. Twelve credit hours of major-applicable upper-level natural science courses must be completed at USF for the Biomedical Sciences degree, which includes seven credits of Chemistry coursework.

FKL or Liberal Arts Requirement. The student is required to complete the university’s Liberal Arts Requirement. Chemistry and Mathematics courses required for chemistry degrees satisfy the Liberal Arts requirements in the areas of Natural Science and Quantitative Methods.

Free Electives. Courses over and above the required courses should be taken to complete a 120 hour program. Recommended courses are listed in the degree requirements below. Additional courses in computer programming, economics, management, engineering, statistics, writing, and other applied disciplines are strongly recommended to strengthen the degree for subsequent professional employment.

Transfer Credit: It is strongly recommended that students transferring from community/state colleges to the University of South Florida complete whole sequences of chemistry courses, such as general and organic chemistry, before they transfer. Even though courses may carry the same common course number, topics covered may vary significantly from school to school.

D/F Policy. The following three departments, the Department of Chemistry, the Department of Cell Biology, and the Department of Natural Science and Quantitative Methods have established D/F grading policies. Any student who repeats a course for which a D/F grading policy has been established will only be allowed to repeat the course once and only at the University of South Florida. A grade of C or better is required in each chemistry major course and each supporting course specified for a chemistry degree. All courses which are graded S/U only. Nine hours of upper-level chemistry courses must be completed at USF for the Bachelor of Arts in Chemistry and the Bachelor of Science in Chemistry degrees. Twelve hours of upper-level major applicable courses must be completed at USF for the Interdisciplinary Natural Sciences degree. Twelve credit hours of major-applicable upper-level natural science courses must be completed at USF for the Biomedical Sciences degree, which includes seven credits of Chemistry coursework.

FKL or Liberal Arts Requirement. The student is required to complete the university’s Liberal Arts Requirement. Chemistry and Mathematics courses required for chemistry degrees satisfy the Liberal Arts requirements in the areas of Natural Science and Quantitative Methods.

Free Electives. Courses over and above the required courses should be taken to complete a 120 hour program. Recommended courses are listed in the degree requirements below. Additional courses in computer programming, economics, management, engineering, statistics, writing, and other applied disciplines are strongly recommended to strengthen the degree for subsequent professional employment.

Transfer Credit: It is strongly recommended that students transferring from community/state colleges to the University of South Florida complete whole sequences of chemistry courses, such as general and organic chemistry, before they transfer. Even though courses may carry the same common course number, topics covered may vary significantly from school to school.

D/F Policy. The following three departments, the Department of Chemistry, the Department of Cell Biology,
Microbiology and Molecular Biology and the Department of Integrative Biology have instituted a procedure to provide students with the best opportunity to progress toward their degree requirements. Effective Fall 2009, the following D and/or F grade rules apply for students to continue in all of the following majors:

- Biomedical Sciences
- Biology (including the marine science concentration)
- Microbiology
- Chemistry (BA, BS)
- Interdisciplinary Natural Sciences (INS)
- Medical Technology and Pre-medical sciences students (PMS) who have not yet declared a major

• All students entering USF for the first time, in Fall 2009 or later, who subsequently earn three (3) D and/or F grades in applicable USF science and math coursework for their major (i.e. Math, Biology, Chemistry and Physics) will be required to change their major to a major more appropriate to their goals and academic performance, and to a major that is not conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology, and Molecular Biology.

• All continuing USF students who entered USF prior to Fall 2009 and who have not earned any D or F grades in USF science and math coursework for their major (i.e. Math, Biology, Chemistry and Physics) prior to Fall 2009, will also be redirected after earning three (3) D and/or F grades in subsequent terms. Upon earning the 3rd D and/or F grade, students will be required to choose another major more appropriate to their goals and academic performance, and to one that is not conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology, and Molecular Biology.

• All continuing USF students who entered USF prior to Fall 2009 and who have earned one (1) or more D or F grades in USF science and math coursework for their major (i.e. Math, Biology, Chemistry and Physics) prior to Fall 2009, will be allowed to count all previous D/F grades as one (1) D/F grade. After Fall 2009, students who earn two (2) additional D and/or F grades (resulting in three (3) total D/F grades) in subsequent terms will be required to choose another major more appropriate to their goals and academic performance, and to one that is not conferred by the Department of Chemistry, Department of Integrative Biology or Department of Cell Biology, Microbiology, and Molecular Biology.

 Exceptions to the required change of major will be considered by the Department of the student’s major and ONLY for those students with exceptional circumstances.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. These include two semesters of Calculus lecture and lab, Organic Chemistry lecture and lab, Calculus and General Physics lecture and lab. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- CHM X045/X045L General Chemistry I (with lab) or CHM 1040 and 1041, or 1045C
- CHM X046/X046L General Chemistry II or CHM 1046C
- MAC 2311 Calculus I or MAC 2281 Engineering Calculus I
- MAC 2312 Calculus II or MAC 2282 Engineering Calculus II
- CHM 2210/2210L Organic Chemistry I & Lab or CHM 2210C
- CHM 2211/2211L Organic Chemistry II & Lab or CHM 2211C
- PHY 2048/2048L Gen Physics I & Lab or PHY 2048C, or PHY 2053C or PHY 2053 and PHY 2053L
- PHY 2049/2049L Gen Physics II & Lab or PHY 2049C, or PHY 2054C or PHY 2054 and PHY 2054L

CHEMISTRY (CHS/CHM) (CIP = 40.0501) (Track 1 of 2)

Total Program Hours = 120 Credit Hours

Requirements for the B.A. in Chemistry (CHM)

The Chemistry B.A. gives students exposure to analytical, inorganic, organic and physical chemistry while providing the flexibility to take additional elective courses. Students interested in professional, law, or graduate school or those who anticipate working in careers related to secondary education or business will find this degree attractive. The B.A. student whose goals change in the direction of graduate study should supplement this curriculum by addition and/or
substitution of a selection of advanced courses from the B.S. program. Prerequisites are included in the list below.

Required Chemistry Courses - 33 credit hours:

- CHM 2045 General Chemistry
- CHM 2045L General Chemistry I Lab
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab
- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab
- CHM 3120C Elementary Analytical Chemistry I
- CHM 3610 Intermediate Inorganic Chemistry I
- CHM 3610L Intermediate Inorganic Chemistry I Lab
- CHM 4410 Physical Chemistry I
- CHM 4413 Biophysical Chemistry

Required Chemistry Electives - 6 credit hours:

- 3000 level or above; may include not more than 1 hour of CHM 4970.
- Suggested courses:
  - BCH 3053 Introductory Biochemistry
  - BCH 3023L Basic Biochemistry Laboratory
  - BCH 4034 Advanced Biochemistry
  - CHM 4300 Biomolecules I
  - CHS 4300 Fundamentals of Clinical Chemistry
  - CHS 4301L Clinical Laboratory
  - CHM 4060 Use of Chemical Literature
  - CHM 4070 Historical Perspectives in Chemistry
  - CHM 4130C Methods of Instrument Analysis
  - CHM 4131C Methods of Chemical Investigation II
  - CHM 4411 Physical Chemistry II
  - CHM 4410L Physical Chemistry Laboratory
  - CHM 4611 Advanced Inorganic Chemistry
  - CHM 4970 Undergraduate Research
  - CHM 4932* Selected Topics in Chemistry

*Selected Topics in Chemistry - content varies each semester.

Note: Peer Leading cannot be used as a required chemistry elective in the major.

Required Supporting Courses - 14-16 credit hours:

- MAC 2311 and MAC 2312 or MAC 2281 and MAC 2282
- PHY 2053/PHY 2053L and PHY 2054/PHY 2054L or PHY 2048/PHY 2048L and PHY 2049/PHY 2049L

Required natural science or engineering electives - 8 credit hours:

- Suggested courses:
  - BSC 2010/2010L Cellular Processes/Laboratory
  - BSC 2011/2011L Biodiversity/Laboratory
  - GLY 2010/2000L Dynamic Earth: Introduction to Physical Geology/Laboratory
  - GLY 2100/2100L History of Life/Laboratory
  - EVR 2001/2001L Introduction to Environmental Science/Laboratory
  - CGS 2060 Introduction to Computers and Computer Programming
  - STA 2023 Introductory Statistics I

Requirements for the B.A. in Chemistry, Emphasis in Biochemistry/Biotechnology (CBY)

The Chemistry B.A. offers a unique opportunity for students to pursue later studies and/or professional emphasis in Biochemistry along with a strong foundation in the chemical knowledge and skills that are essential to these areas. The following schedule of courses meets the requirements for a B.A. in Chemistry and provides core courses in other disciplines basic to biochemistry. Prerequisites are included in the list below.

Required Chemistry Courses - 30 credit hours:

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab
- CHM 2210 Organic Chemistry I
### Required Chemistry Electives - 9 credit hours:
Minimum of 9 hours selected from the following:

- CHM 3610: Intermediate Inorganic Chemistry I*
- CHM 3610L: Intermediate Inorganic Chemistry I Lab*
- CHM 4060: Use of the Chemical Literature
- CHM 4070: Historical Perspectives in Chemistry
- CHM 4410: Physical Chemistry I*  
- CHM 4411: Physical Chemistry II  
- CHM 4932: Selected Topics in Chemistry**

*Students anticipating graduate study are advised to select these courses.

**Selected Topics in Chemistry - content varies each semester.

Note: CHM 4932, Peer Leading cannot be used as a required chemistry elective in the major.

### Required Supporting Courses - 22 - 24 credit hours:
- MAC 2311 and MAC 2312 or MAC 2281 and MAC 2282
- PHY 2053 /PHY 2053L and PHY 2054/PHY 2054L or PHY 2048/PHY 2048L and PHY 2049/PHY 2049L
- BSC 2010 and BSC 2010L
- PCB 3023 and PCB 3023L

**Other suggested electives important for advanced studies in Biochemistry:**
- PCB 3063: General Genetics
- STA 2023: Introductory Statistics I
- MCB 3020C: General Microbiology
- EVR 2001: Introduction to Environmental Science

### Requirements for the B.A. in Chemistry, Emphasis for Health Professions (CHH)
The B.A. in Chemistry, Health Professions includes many of the prerequisites needed for health profession careers. Prerequisites are included in the list below.

#### Required Chemistry Courses - 30 credit hours:
- CHM 2045: General Chemistry I
- CHM 2045L: General Chemistry I Lab
- CHM 2046: General Chemistry II
- CHM 2046L: General Chemistry II Lab
- CHM 2210: Organic Chemistry I
- CHM 2210L: Organic Chemistry I Lab
- CHM 2211: Organic Chemistry II
- CHM 2211L: Organic Chemistry II Lab
- CHM 3120C: Elementary Analytical Chemistry I
- BCH 3023: Introductory Biochemistry
- CHS 4301L: Fundamentals of Clinical Chem. Lab

**Required Chemistry Electives - 9 credit hours:**
Minimum of 9 hours selected from the following:

- BCH 3023L: Basic Biochemistry Lab
- BCH 4034: Advanced Biochemistry
- CHM 3610: Intermediate Inorganic Chemistry I*  
- CHM 4060: Use of the Chemical Literature
- CHM 4070: Historical Perspectives in Chemistry
- CHM 4410: Physical Chemistry I*  
- CHM 4411: Physical Chemistry II  
- CHM 4410L: Physical Chemistry Lab*
CHM 4411  Physical Chemistry II
CHM 4413  Biophysical Chemistry
CHM 4932  Special Topics in Chemistry**
*Students anticipating graduate study are advised to select these courses.
**Selected Topics in Chemistry - content varies each semester.
Note: CHM 4932, Peer Leading cannot be used as a required chemistry elective in the major.

**Required Supporting Courses - 22-24 credit hours:**
MAC 2311 and MAC 2312 or MAC 2281 and MAC 2282
PHY 2053 /PHY 2053L and PHY 2054/PHY 2054L or PHY 2048/PHY 2048L and PHY 2049/PHY 2049L
BSC 2010 and BSC 2010L
PCB 3023 and PCB 3023L
PCB 4723 and PCB 4723L or PCB 3023 and PCB 3023 L

**Other suggested electives important for advanced studies in the various health profession areas:**
- BSC 2011  Biodiversity
- PCB 3063  General Genetics
- STA 2023  Introductory Statistics I
- MCB 3020  General Microbiology
- PCB 4723  Animal Physiology
- ZOO 4753  Human Histology and Molecular Pathology of Disease
- ZOO 3713C  Comparative Vertebrate Anatomy

**Requirements for the BS in Chemistry (CHS):**
The Bachelor of Science in Chemistry provides a firm foundation in all five disciplines of chemistry: organic, physical chemistry, inorganic, analytical and biochemistry. Students interested in research, the pursuit of an advanced degree, employment in the chemical industry, or who want to teach at the secondary education level may find this degree attractive. The curriculum for the B.S. degree in Chemistry meets the requirements for degree certification by the American Chemical Society.
Prerequisites are included in the list below.

**Required Chemistry Courses - 50 credit hours:**
- CHM 2045  General Chemistry I
- CHM 2045L  General Chemistry I Lab
- CHM 2046  General Chemistry II
- CHM 2046L  General Chemistry II Lab
- CHM 2210  Organic Chemistry I
- CHM 2210L  Organic Chemistry I Lab
- CHM 2211  Organic Chemistry II
- CHM 2211L  Organic Chemistry II Lab
- BCH 3023  Introductory Biochemistry
- CHM 3120C  Elementary Analytical Chemistry I
- CHM 3610  Intermediate Inorganic Chemistry I
- CHM 3610L  Intermediate Inorganic Chemistry I Lab
- CHM 4060  Use of the Chemical Literature
- CHM 4130C  Methods of Instrumental Analysis
- CHM 4131C  Methods of Chemical Investigation
- CHM 4410  Physical Chemistry I
- CHM 4410L  Physical Chemistry Laboratory
- CHM 4411  Physical Chemistry II
- CHM 4611  Advanced Inorganic Chemistry

**Required Supporting Courses - 20-23 credit hours:**
- MAC 2311 and MAC 2312 and MAC 2313 or MAC 2281 and MAC 2282 and MAC 2283
- PHY 2048 and PHY 2048L
- PHY 2049 and PHY 2049L

**Required natural science or engineering electives** -3-6 hours
- One 3000-level course (PHY 3101, MAP 4302 suggested)
- or

**Other suggested chemistry electives:**
- CHM 4970  Undergraduate Research
- BCH 3023L  Basic Biochemistry Laboratory
Requirements for the Minor in Chemistry (CHM)

A minimum of 24 total hours is required. Eight hours of approved Chemistry coursework must be completed at USF. Students apply for a minor when submitting a graduation application (i.e., there is no need to “declare” a minor). Chemistry, Biomedical Sciences, Interdisciplinary Natural Sciences, and Medical Technology majors are not eligible for the minor in Chemistry.

Required Chemistry Courses - 4 credit hours:

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab
- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab
- CHM 4060 Use of Chemical Literature

Chemistry Electives - Minimum 10 hours:

Choose 10 hours of structured classes applicable to the major. Chemistry courses used to satisfy a major requirement cannot be used toward a minor in Chemistry.

**NOTE:** In all laboratory classes the lecture is PR/CR.

- BCH 3023 Introductory Biochemistry
- BCH 3023L Basic Biochemistry Lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab
- CHM 3120C Elementary Analytical Chemistry
- CHM 3610 Intermediate Inorganic Chemistry
- CHM 3610L Intermediate Inorganic Chem. Lab
- CHM 4300 Biomolecules
- CHM 4410 Physical Chemistry I
- CHM 4410L Physical Chemistry Laboratory
- CHM 4411 Physical Chemistry II
- CHM 4413 Biophysical Chemistry
- CHM 4932 Selected Topics in Chemistry*  

**Selected Topics in Chemistry - content varies each semester.**

**Note:** Peer Leading cannot be used as a required chemistry elective in the major.

- BIOMEDICAL SCIENCES (BMS) (CIP = 26.0102)

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

The Biomedical Sciences degree serves as a gateway into a variety of health-professional programs such as Medicine, Pharmacy, Dentistry, and Physical Therapy. Required courses include Biology, Chemistry, Math and Physics. This degree provides the flexibility to choose advanced level science course based on academic and professional interests. Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology. A grade of C or better is required for science and mathematics courses and each supporting course for the Major.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community/junior college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- BSC X010, X010L & BSC X011, X011L Biology I and II with Lab or BSC X010C & BSC X011C
- CHM X045 & CHM X045L General Chemistry I & Lab or CHM X045C
- CHM X046 & CHM X046L General Chemistry II & Lab or CHM X046C
- CHM X210 & CHM X210L Organic Chemistry I & Lab or CHM X210C
- CHM X211 & CHM X211L Organic Chemistry II & Lab or CHM X211C
- PHY X053 & X053L General Physics I & Lab and PHY X054 & X054L General Physics II & Lab
or
PHY 2053C and PHY 2054C
or
PHY X048 & X048L General Physics I & Lab and PHY X049 & X049L General Physics II & Lab
or
BSC X093 Human Anatomy & Physiology I and BSC X094 Human Anatomy & Physiology II
BSC X093/X093L and BSC X094/X094L
MAC X241 Life Sciences Calculus or MAC X281 or MAC X311
MAC X242 Life Sciences Calculus II or MAC X282 or X312 or STA X023 or STA X024
Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

Tier 1 - Required Biology and Chemistry Courses:

Biology:
- BSC 2010 Biology I - Cellular Processes
- BSC 2010L Biology I Lab
- BSC 2011 Biology II - Diversity
- BSC 2011L Biology II Lab

Chemistry:
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab
- CHM 2210 Organic Chemistry I
- CHM 2210L Organic Chemistry I Lab
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Chemistry II Lab

Required Supporting Courses:

Mathematics:*
- MAC 2241 Life Sciences Calculus I
- MAC 2242 Life Sciences Calculus II or STA 2023 Introductory Statistics
- *MAC2311 and MAC 2312 are also acceptable for the major.
- *MAC 2281 and MAC 2282 are also acceptable for the major

Physics:*
- PHY 2053 General Physics I
- PHY 2053L General Physics I Lab
- PHY 2054 General Physics II
- PHY 2054L General Physics II Lab

*Students may substitute Human Anatomy or Physiology I and II (BSC 2093C & 2094C or BSC 2085, 2085L & BSC 2086, 2086L) for Physics I & II

Tier 2 - Required Biomedical Electives:

Total 7-8 credit hours of required courses
BCH 3023
MCB 3020C or chose 1 lecture PCB 3063 or PCB 3023 and 1 lab PCB3063L or PCB 3023L or BCH 3023L

Minimum of 14 credits from the following to include:

- Nine (9) credits minimum of Biology and Chemistry Coursework from the lists below, with no fewer than three (3) credits in both Biology and Chemistry.
- Lab Requirement: Students must choose at least one upper-division Lab (must take co-requisite lecture) or combined lecture/lab course.
- Chemistry Residency Requirement: Seven (7) credits of Chemistry coursework, upper or lower division, must be completed at USF.
- Upper-Division Residency Requirement: 12 credit hours of major-applicable upper-level natural science courses must be completed at USF.
- No duplicate credit allowed.

Biology:
- BOT 3850 Medical Botany
- MCB 4115C Determinative Bacteriology*
- MCB 4404 Microbial Physiology and Genetics
MCB 4404L Microbial Physiology and Genetics Lab
MCB 4503 Virology
MCB 5206 Public Health & Pathogenic Microbiology
MCB 5815 Medical Mycology
MCB 3410 Cell Metabolism
PCB 3023 Cell Biology
PCB 3023L Cell Biology Lab
PCB 3063 General Genetics
PCB 3063L Genetics Lab
PCB 3712 General Physiology
PCB 3713L General Physiology Lab
PCB 4234 Principles of Immunology
PCB 4522C Experimental Genetics*
PCB 4723 Animal Physiology
PCB 4744 Mammalian Physiology
PCB 4843 Principles of Neuroscience
ZOO 3713C Comparative Vertebrate Anatomy*
ZOO 4753C Histology*

*Combined course - satisfies lab requirement

Chemistry:
BCH 3023L Biochemistry Lab
BCH 4034 Advanced Biochemistry
CHM 3120C Elementary Analytical Chemistry
CHM 3610 Intermediate Inorganic Chemistry
CHM 3610L Intermediate Inorganic Chemistry Lab
CHM 4060 Use of Chemical Literature
CHM 4410 Physical Chemistry I
CHM 4410L Physical Chemistry Lab
CHM 4411 Physical Chemistry II
CHM 4413 Biophysical Chemistry
CHM 4300 Biomolecules I
CHM 4932 Selected Topics in Chemistry*
CHS 4300 Fundamentals of Clinical Chemistry
CHS 4301L Clinical Chemistry Laboratory

Other:
HSC 4504 Foundations of Public Health Immunology*
PHZ 4702 Applications of Physics to Biology & Medicine I
PHZ 4703 Applications of Physics to Biology & Medicine II

*Cannot use both HSC 4504 & PCB 4234

*Selected Topics in Chemistry, Content varies each semester. Note: CHM 4932, Peer Leading cannot be used as a required chemistry elective in the major.

• INTERDISCIPLINARY NATURAL SCIENCES (INS) (CIP = 30.0101) (Track 16 of 16)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The Interdisciplinary Natural Science degree serves the academic and career goals of undergraduate students who seek a broad education in the Natural Sciences (Biology, Chemistry, Physics, Mathematics, Geology). Students select a sequence of upper-level courses based on career goals, choosing three of the five natural science areas. Students interested in secondary education, public health, and other fields may choose this degree.

For information on teacher certification in science or mathematics, prospective teachers should consult the section entitled Teacher Education Programs and also consult the College of Education section of the catalog. A grade of C or better is required for all sciences and mathematics requirements listed below, and those specific to USF.

Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet FKL Liberal Arts Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program. Students are encouraged to complete as many of the following courses as possible, during the program of study at
the community college, and when feasible in FKL Liberal Arts/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

Biology I and Biology II (BSC 2010, 2010L, BSC 2011, 2011L)
Calculus (MAC 2241 and MAC 2242 or MAC 2311 and MAC 2312 or MAC 2281 and MAC 2282)
General Chemistry (CHM 2045, CHM 2045L, CHM 2046, CHM 2046L)
General Physics (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L) or (PHY 2048, PHY 2048L, PHY 2049, PHY 2049L)

Introduction to Physical Geology and History of the Earth and Life (GLY 2010, GLY 2000L, GLY 2100, GLY 2100L)

Requirements for the Major in Interdisciplinary Natural Sciences (B.S.)

Coursework required for Interdisciplinary Natural Science majors:

TIER 1
Two introductory courses in each of 5 natural sciences areas (Math, Physics, Chemistry, Biology, Geology) totaling 38-40 hours:
- Calculus I and II: MAC 2241 and 2242 or MAC 2311 and 2312 or MAC 2281 and 2282
  (STA 2023 may be substituted for Calculus II)
- General Chemistry I and II: CHM 2045, 2045L and CHM 2046, 2046L
- Geology I and II: GLY 2010, 2000L and GLY 2100, 2100L
- Physics I and II: (PHY 2053, 2053L, 2054, 2054L) or (PHY 2048, 2048L, 2049, 2049L)

TIER 2
Students are required to complete a minimum total of 24 credit hours. A minimum of 6 credit hours of structured, upper division (3000 level or higher) courses in three of the five natural sciences areas is required. All Tier 2 courses in the sciences will be selected by the individual student, but must be chosen from the list of courses approved for department Major credit.

At least 12 of the 24 hours at Tier 2 must be taken at USF for residency.

- MEDICAL TECHNOLOGY (MET) (CIP = 51.1005) (B.S.)

  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The University of South Florida offers a four year program leading to the Bachelor of Science degree in Medical Technology. The first three years are completed on campus; the fourth year (12 months) is completed at one of three affiliated hospitals in Florida, located in Tampa, St. Petersburg, and Jacksonville. Admission to the fourth year is limited by the number of openings in affiliated hospitals and, at the present time, is competitive. Selection for the clinical program is made by the hospitals and students not admitted to a clinical program will need to select an alternate degree. Generally, hospitals require a minimum GPA of 2.50 to a 2.75, and our students admitted to clinical programs in recent years have had a mean GPA of 3.40 or higher.

All courses required for admission to the clinical program must be completed prior to beginning the clinical year. These requirements include:

1. A minimum of 90 semester hours (excluding physical education).
2. All university FKL Liberal Arts requirements.
3. Writing and computation requirements for Gordon Rule (Florida Board of Governor’s Regulation 6.017).
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a “C” or higher in each course.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet FKL Liberal Arts Requirements thereby transferring maximum hours to the university.

A student who transfers with fewer than 60 semester hours of acceptable credit must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade. They may be completed at a Florida College System institution or other institution or at USF.

1) General Biology I with Lab (e.g. BSC1010C, BSC1011C, BSC1010/1010L, BSC 1011/1011L, BSC 2010/2010L,
2) **Human Anatomy and Physiology I with Lab** (e.g. BSC 1085/1085L, BSC 1085C, BSC 1093, BSC 2093C, BSC 2085/2085L, BSC 1011C, BSC 2011, PCB 4703, PCB 3703, PCB 3702, PCB 3702, (student’s choice of one of these three labs), PCB 3703C, BSC 2085C, BSC 2023C)

3) **Human Anatomy and Physiology II with Lab** (e.g. BSC 1086/1086L, BSC 1086C, BSC 2094C, ZOO 3733C, ZOO 3731, PCB 3134C, PCB 2131, BSC 1094, BSC 2096, BSC 2011, PCB 2510/2510L, BSC 2086C)

4) **General Microbiology with Lab** (e.g. MCB 3020/3020L, MCB 2013/2013L, MCB 2013C/2013L, MCB 3023/3023L, MCB 3020C, MCB 2010/2010L)

5) **General Chemistry I with Lab** (e.g. CHM 1045/1045L, CHM 1045C, CHM 2045/2045L)

6) **General Chemistry II with Lab** (e.g. CHM 1046/1046L, CHM 1046C, CHM 1040/1040L, CHM 1041/1041L, CHM 1046E/1046L, CHM 2046/2046L)

7) **Organic Chemistry I with Lab** (e.g. CHM 2210/2211L, CHM 2210C CHM 2210/2211L, CHM 3210C, CHM 3210/3210L, CHM 3210/3211L

8) **Organic Chemistry II with Lab** (e.g. CHM 2211/2211L, CHM 2211C, CHM 2210C, CHM 2210/2211L, CHM 3211/3211L, CHM 3210/3210L, CHM 3210/3211L, CHM 3210C)

9) **Statistics** (e.g. STA 2023, STA 2014, STA 2024, STA 2321, STA 3023) Students should carefully follow all prerequisite requirements for individual courses. The USF courses recommended to meet the state mandated prerequisites as listed above are:

   - BSC 2010 Cellular Processes and BSC 2010 L Cellular Processes Laboratory
   - BSC 2011 Biodiversity and BSC 2011L Biodiversity Laboratory
   - BSC 2093C Human Anatomy and Physiology I or BSC 2085 Anatomy and Physiology I for Health Professionals and 1085L Anatomy and Physiology Lab I for Health Professionals
   - MCB 3020C General Microbiology
   - CHM 2045 General Chemistry I and CHM 2045L General Chemistry I Laboratory
   - CHM 2046 General Chemistry II and CHM 2046L General Chemistry II Laboratory
   - CHM 2210 Organic Chemistry I and CHM 2210L Organic Chemistry Laboratory I
   - CHM 2211 Organic Chemistry II and CHM 2211L Organic Chemistry Laboratory II
   - STA 2023 Introductory Statistics

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF:

   - MAC 1105 College Algebra (or MAC 1147)
   - PCB 3023 Cell Biology and PCB 3023L Cell Biology Laboratory
   - PCB 4234 Principles of Immunology (or equivalent)
   - MCB 4115C Determinative Bacteriology
   - BCH 3023 Biochemistry (BCH 3023)

   Ability to use computers is essential for work in a modern laboratory. Hospitals recommend elective courses in use of computers and in management.

Upon successful completion of this curriculum and acceptance by one of the affiliated hospitals, the student will complete 12 continuous months of training at that hospital. Hospital programs begin in July or early August each year, and some hospitals also have programs beginning in January. During this clinical training, the student will continue to be registered as a full time student of the university and will receive a total of 30 credit hours of work in:

   - MLS 4038 Introduction to Medical Technology
   - MLS 4861 Clinical Immunology
   - MLS 4863 Clinical Microbiology
   - MLS 4865 Clinical Immunohematology
   - MLS 4860 Clinical Urinalysis and Body Fluid
   - MLS 4862 Clinical Hematology
   - MLS 4864 Clinical Chemistry
   - MLS 4866 Clinical Laboratory Management and Education

These courses, listed under “Interdisciplinary Arts and Sciences,” will be taught at the hospital. A “C” or higher must be earned in each course. Students successfully completing this program will be granted a Bachelor of Science degree in Medical Technology.

---

**Chemistry Faculty**

• COMMUNICATION (SPE) (CIP = 23.1304)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Communication focuses on the concepts, theories, and practice of human communication. Students apply their understanding of communication research and principles to personal, professional, and community relationships and concerns.

The department encourages students to tailor their programs of study to meet their own interests. Majors select from one of six areas of concentration: Relational Communication, Organizational Communication, Health Communication, Culture and Media, Performance Studies, or Public Advocacy.

The Honors Program in Communication allows qualified students to pursue advanced study. A minor in Communication is also available.

Requirements for the Major in Communication (B.A.)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students must complete SPC 2608, Public Speaking, before being admitted to the Communication major. A student can be admitted to the university without SPC 2608, but it must be completed as part of requirements for the major.

A major in Communication requires a minimum of 36 credit hours from departmental offerings. A final grade of at least C- is required for a departmental course to count toward a Communication major. Courses may not be taken S/U where a grade option exists.

I. Prerequisites (3 credit hours):

This course is a prerequisite for declaring the communication major:

SPC 2608 Public Speaking

II. Required Courses (12 credit hours):

Students must take each of these four courses as early as possible in the major. These courses are prerequisites for taking many of the more advanced courses in the respective concentrations.

COM 2000 Introduction to Communication
ORI 2000 Introduction to Communication as Performance
SPC 3301 Interpersonal Communication
SPC 2541 Persuasion

III. Area of Concentration (15 credit hours):

Students must take a minimum of fifteen hours in one of the six areas of concentration. Many courses are listed in more than one concentration. Therefore, students should plan their concentration coursework in ongoing consultation with the advisor.

Relational Communication (SRC)

COM 3014, COM 4020, COM 4021, COM 4022, COM 4030, COM 4151, COM 4490, COM 4702, COM 4710, ORI 4019, ORI 4220, ORI 4460, SPC 3212, SPC 3425, SPC 3710, SPC 4305, SPC 4307, SPC 4310, SPC 4321, SPC 4431, SPC 4701, SPC 4714

Organizational Communication (SOG)

COM 3120, COM 3122, COM 4050, COM 4124, COM 4128, COM 4151, COM 4530, SPC 3212, SPC 3425, SPC 3602, SPC 4714

Health Communication (SHC)

COM 4020, COM 4021, COM 4022, COM 4702, SPC 3212, SPC 4305, SPC 4321, SPC 4431

Culture and Media (SMD)

COM 3014, COM 3051, COM 3052, COM 3413, COM 4016, COM 4021, COM 4022, COM 4020, COM 4050, COM 4104, COM 4414, COM 4931, ORI 3950, ORI 4019, ORI 4410, ORI 4931, SPC 3230, SPC 3513, SPC 3602, SPC 3653, SPC 3680, SPC 3710, SPC 4201, SPC 4310, SPC 4632, SPC 4683, SPC 4701, SPC 4714

Performance Studies (SPS)

COM 3014, COM 3413, COM 4016, COM 4030, COM 4104, ORI 3950, ORI 4019, ORI 40120, ORI 4150, ORI 4220, ORI 4310, ORI 4410, ORI 4460, ORI 4931, SPC 3653, SPC 4201

Public Advocacy (SAD)

COM 3014, COM 3413, COM 4016, COM 4030, COM 4050, COM 4104, ORI 4019, ORI 4410, SPC 3230, SPC 3425, SPC 3513, SPC 3602, SPC 3653, SPC 3680, SPC 3710, SPC 4683, SPC 4701, SPC 4714

IV. Departmental Electives (6 credit hours):
Students must take 6 additional hours of elective coursework from any concentration in the Department of Communication at the 3000-level or higher.

V. The concentrations of the following courses will be designated when offered

- COM 4958 Communication Senior Capstone
- SPC 4930 Selected Topics (titles and topics vary each semester)
- SPC 4932 Senior Seminar

VI. The following courses are contracted individually between student and instructor. The concentration will be designated when the course is contracted.

- SPC 4900 Directed Readings
- SPC 4903 Honors Readings
- SPC 4905 Undergraduate Research
- SPC 4970 Honors Thesis

Communication Honors Program

The Honors Program in Communication provides an opportunity for exceptional undergraduate students in Communication to work closely with a faculty member in an intensive research experience. Each Honors student is required to complete and defend an undergraduate Honors Thesis. Application to the program ordinarily occurs during the second semester of the junior year or prior to completion of 90 semester hours. Admission to the program is based on the student’s overall academic record, performance in communication courses, and recommendations of faculty. To be admitted to the program, a student should have at least a 3.5 GPA in all communication courses and a 3.0 cumulative GPA. Students are required to complete 3 hours of Honors Reading and 3 hours of Honors Thesis. Students interested in the Honors Program should consult the department for further information about admission and program requirements.

Requirements for the Minor in Communication (SPE)

The minor in Communication is available to students pursuing any other major at USF. The minor in Communication requires a minimum of 18 hours of departmental coursework, including:

- SPC 2608 Public Speaking
- COM 2000 Introduction to Communication

Twelve credit hours may be selected from among departmental offerings and must include a minimum of 6 hours at the 3000-level or higher

A grade of “C-minus” is required for a departmental course to count toward a Communication minor. Courses may not be taken S/U where a grade option exists.

Communication Faculty


• ECONOMICS (ECO) (CIP = 45.0601)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Economics offers a clear and logical way of thinking about complicated issues such as unemployment, inflation, pollution, and crime. The department offers broad course choices allowing students to tailor their programs to provide training for professional careers in business, teaching, government, and law. Students interested in majoring or minoring in economics should contact the undergraduate advisor in the Economics Department for more information.

Requirements for the Major in Economics (B.A.)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

The State of Florida has identified common course prerequisites for the major in Economics. These courses must be completed with a minimum grade of “C” before the degree is granted. If the courses are not transferred in, they may be taken at USF.

- ECO X013 Economic Principles: Macroeconomics or ECO XXXX 3 credit hours
- ECO X023 Economic Principles: Microeconomics or ECO XXXX 3 credit hours

Coursework in the Economics Major:

A student may earn a Bachelor of Arts degree with a major in Economics by satisfactorily completing 34 credits in
Economics in addition to college requirements. The 34 credits must include:

- ECO 2013 Economic Principles: Macroeconomics
- ECO 2023 Economic Principles: Microeconomics
- ECO 3101 Intermediate Price Theory
- ECO 3203 Intermediate Macroeconomics
- QMB 2100 Business and Economic Statistics
- QMB 3200 Business and Economics Statistics II

Fifteen credit hours of Economics electives numbered 3000 or higher
- ECO 4935 Special Topics in Economics: Exit Requirement in Economics (one credit hours)

Notes:
1. MAC 2233 Business Calculus or MAC 2311 Calculus 1 (or the equivalent) must be taken as a prerequisite for ECO 3101 and ECO 3203.
2. ECP 3703, Managerial Economics (formerly ECO 3100), may be substituted for ECO 3101. Students may not take both for credit.
3. ECO 1000 (if taken before both ECO 2013 and ECO 2023) if student receives a C- or better may be substituted for a maximum of 3 hours of upper level elective credit.
4. Students must obtain a grade of “C-” or higher in ECO 3101 or ECP 3703 (formerly ECO 3100) in order to enroll in any course for which ECO 3101 or ECP 3703 is a prerequisite.
5. No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914.
6. At least 12 hours of upper level credit must be taken in residence at USF.
7. Economics majors working at the regional campuses may not be able to fulfill all economics course requirements at those campuses.
8. Students must obtain a grade of “C-” or higher in all courses required for the major or minor in Economics.
   - All students entering USF for the first time, in Fall 2012 or later, who earn 3 (three) D and/or F grades in any of the following courses at USF: ECO 2013, ECO 2023, ECO 3101, ECO 3203, QMB 2100, QMB 3200 and MAC 2233 (or MAC 2311 or equivalent) will be required to change their major to a major more appropriate to their goals and academic performance, and to a major that is not conferred by the Department of Economics through either the College of Arts and Sciences or the College of Business.
   - All continuing USF students who entered USF prior to Fall 2012 and who have not earned any D or F grades in any of the following courses at USF: ECO 2013, ECO 2023, ECO 3101, ECO 3203, QMB 2100, QMB 3200 and MAC 2233 (or MAC 2311 or equivalent) by the beginning of Fall 2012, will also be allowed 3 (three) D and/or F grades in those courses before being required to change their major to a major more appropriate to their goals and academic performance, and to a major that is not conferred by the Department of Economics through either the College of Arts and Sciences or the College of Business.
   - All continuing USF students who entered USF prior to Fall 2012 and who have earned 1 (one) or more D or F grades in any of the following courses at USF: ECO 2013, ECO 2023, ECO 3101, ECO 3203, QMB 2100, QMB 3200 and MAC 2233 (or MAC 2311 or equivalent) by the beginning of Fall 2012, will only be allowed 2 (two) more D and/or F grades in those courses before being required to change their major to a major more appropriate to their goals and academic performance, and to a major that is not conferred by the Department of Economics through either the College of Arts and Sciences or the College of Business.

Grade Forgiveness will NOT apply to the mandated requirement of changing majors.

Requirements for the Minor in Economics (ECO)

All students, regardless of college, can earn a minor in Economics by satisfactorily completing 18 hours in Economics including:

- ECO 2013 Economic Principles: Macroeconomics
- ECO 2023 Economic Principles: Microeconomics

Twelve credit hours of Economics electives numbered 3000 or higher (may include QMB 3200)
- ECO 1000, if taken before both ECO 2013 and ECO 2023 and student receives a C- or better, may be substituted for 3 hours of upper level electives. Before being recognized as a minor in economics a student must obtain program approval by the Economics Department Undergraduate Advisor. A grade point average of 2.0 or higher must be achieved in the minor course work at USF and in all minor courses completed at any institution. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum

Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to
provide the abstract and applied skills required by those seeking legal careers. Beyond ECO 2013 Economic Principles: Macroeconomics and ECO 2023 Economic Principles: Microeconomics, students should elect ECP 4451 Law and Economics, ECP 3413 Economics of Regulation and Antitrust, and ECO 4505 Economics of Crime. Additional courses of interest are ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, and ECP 3201 Economics of Women and Work.

The Economics Pre Law Curriculum fits easily within the Economics major or minor but is open to other students.

### Five-year Bachelor/Master Degree Program

This program allows superior students with strong analytical skills and the ability to handle a fast paced, challenging program the opportunity to complete both the Bachelor and Master degrees in economics in five years.

The program requires the students to take two graduate level courses required for the MA degree during the last year in the Bachelor program. These six hours are counted as general electives (not major electives) in the undergraduate program and are also used to satisfy the requirements for the MA in economics. After completing the 120-hour Bachelor’s program, five-year students take 24 hours at the graduate level.

To be eligible for the program, a student must have completed at least 6 hours of 3000 level or above economics courses at USF (not including statistics), have an overall grade point average of 3.00 or above, and have a minimum of 3.25 cumulative grade point average in all economics courses (including statistics).

To apply for admission, send a letter to the Undergraduate Program Director in the Department of Economics stating your qualifications and desire to enter the program. To plan your program, or for additional information, see the Undergraduate Advisor in Economics.

### Economics Faculty


### ENGLISH (ENG) (CIP = 23.0101)

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

**Requirements for the Major in English (B.A.)**

*Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution:*

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System Institution. Some courses required for the major may also meet General Education Requirements, thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements, including ACT or SAT test scores, GPA, and course requirements.

Transfer students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at a Florida College System institution, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I or ENC XXXX</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II or ENC XXXX</td>
<td>3</td>
</tr>
</tbody>
</table>

The program in English provides three concentrations. Students must choose one concentration.

1. **Literary Studies (LTS)** - This program of study provides students with a knowledge of literary method, literary history, and a broad range of literary accomplishment (including knowledge of emerging fields, world literatures, and ethnic literatures). While the major places much emphasis on appreciating works of literature as artifacts produced in their own cultural contexts, it also enables students to make connections between contemporary life and the study of literature. It evaluates students’ grasp of formal and technical elements of literary practice and emphasizes the development of writing skills and the production of disciplinary writing. Successful completion of the major will enhance students’ capacity for aesthetic enjoyment, critical reflection, and effective self-expression, and may provide preparation for further study (graduate and professional schools) or communication and research skills to be used in a work environment.

2. **Creative Writing (CRW)** - This 36-hour program is designed for aspiring writers of fiction, poetry, and creative nonfiction. Students who graduate from this program will demonstrate the following: 1) knowledge of the forms and techniques of poetry, fiction, and creative nonfiction; 2) knowledge of literary genres and the techniques used by authors within each genre; 3) the ability to analyze literature in its cultural and philosophical context; and 4)
the ability to critique student manuscripts and offer constructive feedback within a workshop setting.

3. Professional Writing, Rhetoric and Technology (TCM) - This program provides students with both a practical and a theoretical orientation to communication in a variety of media and genres. The program prepares students to work as innovative professional communicators in a variety of fields — from government to business to medicine. It also prepares students for graduate programs in rhetoric, composition, and professional communication. The program produces graduates who can think critically about communication, contexts, and technology as well as compose technologically-mediated documents and products using a variety of tools.

Major requirements for English majors are listed below and require 36 credit hours. A grade of below C- will not be counted toward fulfilling the major requirements. Students may not use more than one directed study course toward meeting the major requirements. Transfer students must earn at least 15 hours in the major at USF. A 2.5 GPA in the major is required for graduation. The English Department does not accept Sign Language as a foreign language.

Literary Studies (LTS)
This concentration provides students with a knowledge of literary method, literary history, and a broad range of literary accomplishment (including knowledge of emerging fields, world literatures, and ethnic literatures). While the major places much emphasis on appreciating works of literature as artifacts produced in their own culture contexts, it also enables students to make connections between contemporary life and the study of literature. It evaluates students' grasp of formal and technical elements of literary practice and emphasizes the development of writing skills and the production of disciplinary writing. Successful completion of the major will enhance students' capacity for aesthetic enjoyment, critical reflection, and effective self-expression, and may provide preparation for further study (graduate and professional schools) or communication and research skills to be used in a work environment.

I. Required Courses (2 courses/6 credit hours):
   - ENG 3014 Introduction to Literary Methodology (recommended during first 2 semesters of the major)
   - ENG 4013 Literary Criticism (recommended before any 4000-level courses are taken)

II. Additional Requirements (1 course from each of the following groups) (5 courses/15 credit hours):
   A. Medieval / Renaissance Group
      - ENL 3015 British Literature to 1616
      - ENL 3331 Early Shakespeare
      - ENL 3332 Late Shakespeare
      - ENL 4311 Chaucer
      - ENL 4338 Advanced Studies in Shakespeare
   B. 17th/18th Century British Group
      - ENL 3230 British Literature 1616-1780
      - ENL 4341 Milton
      - ENL 3016 Studies in 17th and 18th Century British Literature
   C. 19th Century British Group
      - ENL 3251 British Literature 1780-1900
      - ENL 4122 Nineteenth-Century British Novel
      - ENL 3017 Studies in Nineteenth-Century British Literature
   D. American Before 1900 Group
      - AML 3031 American Literature from the Beginnings to 1860
      - AML 3032 American Literature from 1860 to 1912
      - AML 4111 Nineteenth-Century American Novel
      - AML 4261 Literature of the South
   E. 20th or 21st Century American or British Group
      - AML 3051 American Literature from 1912 to 1945
      - AML 4121 Twentieth-Century American Novel
      - AML 4261 Literature of the South
      - ENL 3026 Studies in 20th Century Literature
      - ENL 3273 British Literature 1900-1945
      - ENL 4132 British Novel Conrad to the Present
      - LIT 4233 Postcolonial Literature

III. Cultural-Critical Studies Group (2 courses/6 credit hours):
    - AML 3604 African American Literature
    - AML 3630 Latino/a Literature
    - AML 4111 Nineteenth-Century American Novel
    - AML 4121 Twentieth-Century American Novel
    - AML 4933 Studies in American Literature and Culture
    - ENG 4060 History of the English Language
    - ENL 4122 Nineteenth-Century British Novel
### ENL 4132: British Novel Conrad to the Present
### LIN 4671: Traditional English Grammar
### LIT 3022: Modern Short Prose
### LIT 3031: Survey of Poetry
### LIT 3043: Modern Drama
### LIT 3093: Contemporary Literature
### LIT 3101: Literature of the Western World through Renaissance
### LIT 3102: Literature of the Western World since Renaissance
### LIT 3144: Modern European Novel
### LIT 3410: Religious and Philosophical Themes in Literature
### LIT 4233: Postcolonial Literature
### LIT 4386: British and American Literature by Women

### IV. Electives (3 courses/9 credit hours):
- **AML 4300**: Selected American Authors
- **ENG 3113**: Film as Narrative Art
- **ENG 4674**: Film and Culture
- **ENL 4303**: Selected British Authors
- **LIT 3374**: Bible as Literature
- **LIT 3930**: Selected Topics in Literature
- **LIT 4930**: Selected Topics in English Studies
- Any additional courses listed under, “Additional Requirements” above.
- Any major CRW course listed under the CRW concentration
- Any major ENC course listed under the TCM concentration.

### Creative Writing (CRW)
This 36-hour concentration is designed for aspiring writers of fiction, poetry, and creative nonfiction. Students who graduate from this program will demonstrate the following: 1) knowledge of the forms and techniques of poetry, fiction, and creative nonfiction; 2) knowledge of literary genres and the techniques used by authors within each genre; 3) the ability to analyze literature in its cultural and philosophical context; and 4) the ability to critique student manuscripts and offer constructive feedback within a workshop setting.

#### 1. Writing Requirements: Six courses (18 credit hours) as follows:
- **CRW 3111**: Form and Technique of Fiction
- **CRW 3311**: Form and Technique of Poetry
  (CRW 3111 must be taken before any other courses in the Fiction series, and CRW 3311 must be taken before any other courses in the Poetry series. Students are urged to take these two courses during the first year of their major.)
- Any four of the following courses:
  - **CRW 3112**: Fiction I
  - **CRW 3121**: Fiction II
  - **CRW 3312**: Poetry I
  - **CRW 3321**: Poetry II
  - **CRW 4930**: Selected Topics in Creative Writing
    CRW 4930 may be repeated twice, with different content, for a total of six (6) credits hours. Choices would include creative nonfiction, screenwriting, craft courses in fiction/poetry, young adult literature, lyric poetry, etc.).
- **Literature Requirements**: Six courses as follows:

  One of the following courses that concentrates on literature written pre-1900:
- **AML 3031**: American Literature from the Beginning to 1860
- **AML 3032**: American Literature from 1860 to 1912
- **AML 4111**: Nineteenth-Century American Novel
- **ENG 4060**: History of the English Language
- **ENL 3015**: British Literature to 1616
- **ENL 3016**: Studies in 17th and 18th Century British Literature
- **ENL 3017**: Studies in 19th Century British Literature
- **ENL 3230**: British Literature 1616-1780
- **ENL 3251**: British Literature 1780-1900
- **ENL 3331**: Early Shakespeare
- **ENL 3332**: Late Shakespeare
- **ENL 4122**: 19th Century British Novel
- **ENL 4311**: Chaucer
- **ENL 4338**: Advanced Studies in Shakespeare
Professional Writing, Rhetoric and Technology (TCM)

This undergraduate degree concentration provides students with both a practical and a theoretical orientation to communication in a variety of media and genres. The program prepares students to work as innovative professional communicators in a variety of fields – from government to business to medicine. It also prepares students for graduate programs in rhetoric, composition, and professional communication. The program produces graduates who can think critically about communication, contexts, and technology as well as compose technologically-mediated documents and products using a variety of tools.

1. Required Courses (15 credit hours):
   - ENC 3242 Technical Communication for Majors
   - ENC 3414 New Media for Technical Communication
   - ENC 4218 Visual Rhetoric for Technical Communication
   - ENC 4311 Advanced Composition
   - ENC 4940 Professional/Technical Communications Internship

2. Electives: 7 courses from the following: (21 credit hours):
   - ENC 3250 Professional Writing
   - ENC 3310 Expository Writing
   - ENC 3371 Rhetorical Theory for Technical Communication
   - ENC 4260 Advanced Technical Writing
   - ENC 4931 Selected Topics in Technical and Professional Writing
   - Any courses listed in the Literary Studies concentration.
   - Any courses listed in the Creative Writing concentration.

Requirements for the Minor in Literary Studies (ENG)

Requirements (15 credit hours):
1. One AML major course
2. Two ENL major courses
3. One 4000-level course from the LTS concentration
4. One additional course from any English Department concentration: LTS, CRW, TCM

Requirements for the Minor in Creative Writing (ENW)

Requirements (15 credit hours):
1. CRW 3111 Form & Technique of Fiction
2. CRW 3311 Form & Technique of Poetry
3. Any two of the following:
   - CRW 3112 Fiction I
   - CRW 3121 Fiction II
   - CRW 3312 Poetry I
   - CRW 3321 Poetry II
   - CRW 4930 Selected Topics in Creative Writing

4. Any major course listed in the LIT concentration

Requirements for the Minor in Professional Writing, Rhetoric and Technology (ENT)

Requirements (15 hours):
1. ENC 3242 Technical Communication for Majors
2. One of the following:
   - ENC 4260 Advanced Technical Writing or ENC 4311 Advanced Composition
3. Any three of the following:
   - ENC 3250 Professional Writing
   - ENC 3310 Expository Writing
   - ENC 3416 New Media
   - ENC 4020 Rhetorical Theory
   - ENC 4218 Visual Rhetoric
   - ENC 4931 Selected Topics in Professional Technical Writing: Editing
   - ENC 4931 Selected Topics in Professional Technical Writing: Workplace Writing and Culture
   - ENC 4931 Selected Topics in Professional and Technical Writing
4. One course from the LTS major

English Honors Program

The Department of English Honors Program provides a carefully selected group of seniors with opportunities for advanced scholarship:

A. Closer contact with faculty tutors than students in the regular major program;
B. An opportunity to work and exchange ideas in the stimulating environment of a small group of fellow students with similar aims and abilities;
C. An opportunity to develop individual initiative and sophisticated critical skills.

The English Honors Program will benefit those interested in graduate work, advanced professional study, or greater intellectual challenges.

Admissions Criteria

Applicants should have a GPA of 3.30 in the major and an overall GPA of 3.00 and should submit signatures of two English faculty supporting their applications.

After screening all applications, the Department’s Honors Committee will select participants for each year’s program.

Requirements for Completion of Departmental Honors

1. The Honors student will complete the requirements of his/her chosen English major as described in the current catalog.

2. The Honors program requires 9 hours of Honors-level work.
   A. All Honors students are required to complete at least one (three-hour) Honors seminar (ENG 4935 or ENG 4936).
   B. Students may select from the following options to fulfill the remaining six hours of credit in Honors:
      a. A second (three-hour) Honors seminar (ENG 4935 or ENG 4936).
      b. A three-hour independent study. The independent study should be connected to an eligible upper-level course in the major being taught in that semester.*
         A list of courses available for this option will be made available prior to registration each semester. Students will attend some or all of the scheduled course meetings but will be enrolled in an independent study with the instructor. The independent study will be considered a special “Honors section” of the course and will require additional work that may include extra reading, class presentations, and advanced research-based writing. To enroll in an independent study, students will need written permission of the instructor, who will determine an Honors-appropriate workload for the course. The proposed plan for independent study must be approved by the Honors Committee and filed with the Undergraduate Director prior to registration. Students may count a maximum of one independent study in fulfillment of their degree requirements.
   c. A three-hour Honors thesis, supervised by a member of the English faculty. The Director of the English Honors Program will serve as instructor of record for the thesis hours. Under the direction of the instructors of the Honors seminars and/or the Director of the English Honors Program, the student will choose a member of the English Department faculty to serve as director of his/her thesis and one or two additional faculty members to serve as readers of the thesis. The completed thesis must be at least 25 pages in length, not including bibliography.
   d. A three-hour graduate-level course. Enrollment in a graduate course is limited to Honors students in their final semester and requires written permission of the Undergraduate Director, Graduate Director, and the instructor of the course. To be eligible, students must have completed at least one Honors seminar with a grade of A or A+.

3. Of the nine hours required for Departmental Honors, a maximum of six hours may be counted towards the requirements for the major (historical distribution requirements or electives).

4. To graduate with Departmental Honors, the student must satisfy the following requirements:
   A. Complete 9 hours of English Honors courses as described above with a 3.30 GPA;
   B. Complete all major requirements with a 3.30 GPA and academic coursework with an overall GPA of 3.0.

5. The student who completes all requirements above will graduate with Honors in English. The credit hours completed within the program by the student who does not complete all Honors requirements will count toward the baccalaureate degree.

*Faculty who are willing to accommodate the extra needs of Honors students will notify the Undergraduate Director before registration to have their course put on the list of eligible courses. The Honors student will enroll in an independent study but will attend the scheduled course and complete the bulk of the reading and written requirements for the course in addition to a special Honors project for the course (this could include a formal presentation of research, an independent research project, a longer research paper, a long annotated bibliography, a larger collection of creative work, etc. The independent study represents 3 hours of coursework.)
English Faculty

• ENVIRONMENTAL SCIENCE AND POLICY (ESP) (CIP = 03.0104)
TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The status of the earth’s environment has been a major concern since the 1960’s. As we enter the 21st century, it represents one of the most critical issues facing nearly all nations individually as well as the earth community as a whole. Increased population, technology, globalization and diminishing natural resources all play an important role in the changing environment. As a consequence, governments at all levels are devoting resources to help understand the problems that we are facing and to aid in their mitigation. This includes everything from public education to cleaning up toxic waste sites.

The environmental industry is a growing arena for employment for degree holders at all levels. Students completing the Bachelor of Science (B.S.) in Environmental Science and Policy have found employment with government agencies (city, county, state, and federal), private industry, and non-profit organizations. Examples of careers include field scientist, research scientist, policy analyst, lobbyist, conservationist, and educator. Some also go on to attend graduate or law school.

The B.S. in Environmental Science and Policy was approved in 1995. This interdisciplinary program spans multiple colleges within the university but is housed in the Department of Geography in the College of Arts and Sciences. All majors in the program must complete the required courses including two introductory courses in environmental science and policy, one semester of calculus, two semesters each of general biology and general chemistry, environmental ethics, environmental politics and policy, statistics and physical science (either geology or physics). In addition, majors take 6-7 courses that allow them to sub-specialize in environmental science or in environmental policy. Students choosing to sub-specialize in environmental science take a second semester of calculus, one semester of organic chemistry and lab, and four electives within designated tracks. Students choosing to sub-specialize in policy take environmental law and environmental economics and four electives within designated categories. Finally, all majors must complete an upper division seminar and an internship or project. The department advisor advises ESP majors. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

Requirements for the Major in Environmental Science and Policy (B.S.)

Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at the Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students are encouraged to complete the following required supporting major courses prior to entering the university. Unless stated otherwise, a grade of C- is the minimum acceptable grade.

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC X010 and BSC 2010L</td>
<td>Biology 1 and Lab</td>
</tr>
<tr>
<td>BSC X2011 and BSC 2011L</td>
<td>Biology II and Lab</td>
</tr>
<tr>
<td>CHM X045 &amp; CHM 2045L</td>
<td>General Chemistry &amp; Lab</td>
</tr>
<tr>
<td>CHM X046 &amp; CHM 2046L</td>
<td>General Chemistry II &amp; Lab</td>
</tr>
<tr>
<td>STA X023</td>
<td>Statistics</td>
</tr>
<tr>
<td>MAC X311</td>
<td>Calculus I</td>
</tr>
</tbody>
</table>

REQUIREMENTS FOR ALL ENVIRONMENTAL SCIENCE MAJORS

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVR 2002</td>
<td>Environmental Science: Regional and Global Issues</td>
</tr>
<tr>
<td>EVR 2001L</td>
<td>Introduction to Environmental Science Lab</td>
</tr>
<tr>
<td>EVR 2861</td>
<td>Introduction to Environmental Policy</td>
</tr>
<tr>
<td>EVR 4921</td>
<td>ESP Seminar</td>
</tr>
<tr>
<td>BSC 2010</td>
<td>Biology I</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>Biology Lab I</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>BSC 2011L</td>
<td>Biology Lab II</td>
</tr>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>Chemistry Lab I</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Lab II</td>
</tr>
<tr>
<td>PUP 4203</td>
<td>Environmental Politics and Policy</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
</tr>
<tr>
<td>EVR 4910</td>
<td>ESP Project or EVR 4940 ESP Internship</td>
</tr>
<tr>
<td>EVR 4921</td>
<td>Environmental Science and Policy Seminar</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus I or MAC 2281 or MAC 2241</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Introductory Statistics</td>
</tr>
</tbody>
</table>

### Geology or Physics:
- GLY 2010 Dynamic Earth
- GLY 2000L Essentials of Geology Lab or GLY 2100 Historical Geology
- GLY 2000L Essentials of Geology Lab
- PHY 2048 General Physics I – Calculus Based and PHY 2048L General Physics I Lab
- PHY 2053 General Physics I and PHY 2053L General Physics I Lab

### Science Track
- MAC 2242 Life Sciences Calculus II or MAC 2282 or MAC 2312
- CHM 2210 General Chemistry I
- CHM 2210L General Chemistry I Laboratory
- Plus four approved science-related electives.

### Policy Track
- GEO 4502 Economic Geography
- POS 3697 Environmental Law
- Plus four approved policy-related electives.

Please see [http://gep.usf.edu/ug/en/](http://gep.usf.edu/ug/en/) and/or contact Katie Kosmoski, the Environmental Science and Policy Academic Advisor, for a current list of electives under these categories. She may be contacted via email at: kkosmosk@usf.edu; by phone at (813)-974-8962; and her office location is SCA 207.

All students majoring in Environmental Science and Policy are required to see the advisor (Katie Kosmoski - see below for contact information) each semester prior to registration for the following term. Students who are eligible for an internship must see the internship coordinator (Dr. Connie Mizak; (813)-974-3101; cmizak@usf.edu) six weeks prior to the beginning of the semester in which they will complete the internship.

### Requirements for the Minor in Environmental Policy (ESP)
A total of 19 credits are required for the minor in Environmental Policy, 12 of which must be completed at USF. The Minor in Environmental Policy consists of the following program outline:

#### Required Core Courses (7 credit hours):
- EVR 2002 Environmental Science
- EVR 2001L Introduction to Environmental Science Lab
- EVR 2861 Introduction to Environmental Policy

#### Three of the following four courses (12 credit hours):
- PUP 4203 Environmental Politics and Policy
- PHI 3640 Environmental Ethics
- GEO 4502 Economic Geography
- POS 3697 Environmental Law
- Plus one approved policy-related elective.

Please see [http://gep.usf.edu/ug/en/](http://gep.usf.edu/ug/en/) and/or contact Katie Kosmoski, the Environmental Science and Policy Academic Advisor, for a current list of electives under these categories. She can be contacted via email at: kkosmosk@usf.edu; by phone at (813)-974-8962; and her office location is SCA 207.
• GEOGRAPHY (GPY) (CIP = 45.0701)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The degree program in Geography consists of at least 38 credit hours, 20 of which are associated with 7 core courses required of all majors. Students choose elective courses that should total at least 18 hours. Upper level electives offer applied and techniques orientations for students, depending on their interests, to complement the core course structure for the major.

Electives in physical geography focus on major environmental systems including the hydrosphere, atmosphere, geosphere, and biosphere. Particular emphasis is placed on the human modification of the natural environment and the global interconnections of the major earth systems.

Electives in human geography focus on the social and spatial effects of the growth of cities, including issues such as the historical evolution of urban form and function, land-use changes and conflicts, economic restructuring, the growth and decline of inner-cities, and urban racial and ethnic relations.

Students are encouraged to seek assistance with the choice of electives through the department undergraduate advisor.

Requirements for the Major in Geography (B.A.)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Two introductory courses in Geography with GEO prefix (6 credit hours) must be completed:

Major Course Requirements

Required core courses (7 courses + Physical Geography Lab):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 2200</td>
<td>Intro to Physical Geography</td>
</tr>
<tr>
<td>GEO 2200L</td>
<td>Intro to Physical Geography Lab</td>
</tr>
<tr>
<td>GEO 2400</td>
<td>Intro to Human Geography</td>
</tr>
<tr>
<td>GEO 3164C</td>
<td>Research Methods in Geography</td>
</tr>
<tr>
<td>GEO 4933</td>
<td>Geography Colloquium</td>
</tr>
<tr>
<td>GIS 3006</td>
<td>Computer Cartography</td>
</tr>
<tr>
<td>GIS 4043C</td>
<td>Geographic Information Systems</td>
</tr>
<tr>
<td>GEA XXXX</td>
<td>One course with GEA prefix</td>
</tr>
</tbody>
</table>

Choose from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEA 2000</td>
<td>World Regional Geography</td>
</tr>
<tr>
<td>GEA 3194</td>
<td>Regional Geography</td>
</tr>
<tr>
<td>GEA 3405</td>
<td>Geography of Latin America</td>
</tr>
<tr>
<td>GEA 3500</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td>GEA 3703</td>
<td>Geography of Asia</td>
</tr>
</tbody>
</table>

Supporting/Elective Courses:

With the help of their advisor, students must select from among the following list of courses to provide at least 18 credit hours of additional course work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3602</td>
<td>Urban Geography</td>
</tr>
<tr>
<td>GEO 4114C</td>
<td>Geographic Techniques &amp; Methodology</td>
</tr>
<tr>
<td>GEO 4204C</td>
<td>Topics in Physical Geography</td>
</tr>
<tr>
<td>GEO 4210</td>
<td>Process Geomorphology</td>
</tr>
<tr>
<td>GEO 4244</td>
<td>Tropical Meteorology</td>
</tr>
<tr>
<td>GEO 4265</td>
<td>Soil Genesis and Classification</td>
</tr>
<tr>
<td>GEO 4280C</td>
<td>Hydrology</td>
</tr>
<tr>
<td>GEO 4284</td>
<td>Water Resources Management</td>
</tr>
<tr>
<td>GEO 4300</td>
<td>Biogeography</td>
</tr>
<tr>
<td>GEO 4340</td>
<td>Natural Hazards</td>
</tr>
<tr>
<td>GEO 4372</td>
<td>Global Conservation</td>
</tr>
</tbody>
</table>
GEO 4421 Cultural Geography  
GEO 4471 Political Geography  
GEO 4502 Economic Geography  
GEO 4604 Topics in Urban Geography  
GEO 4700 Transportation Geography  
GEO 4930 Selected Topics  
GIS 4035C Remote Sensing of the Environment  
MET 4002 Climatology  
MET 4012C Meteorology  
URP 4052 Urban & Regional Planning

Courses **Excluded** as Electives for the major:  
GEO 1930 Geography of Current Events and GEO 2371 Earth System Science

Only four (4) combined credit hours of the following courses may be applied toward the degree:  
GEO 4900 Directed Reading  
GEO 4910 Individual Research

**Minimum Requirements for Major**

Students must earn a C- or better in all major coursework. Students must maintain a minimum 2.0 major GPA in order to graduate.

**Requirements for the Minor in Geography (GPY)**
A minor in Geography consists of 19 credit hours, with a minimum grade-point average of 2.00. The required courses are:

- GEO 2200 Introduction to Physical Geography  
- GEO 2200L Introduction to Physical Geography Lab  
- GEO 2400 Human Geography  
- One GEA elective (3 credit hours)  
- Three upper-level electives (3000-5000 level) (9 credit hours): GEO, GIS, MET or URP courses

Students may not apply upper-level Geography electives to the Geography minor if these electives are being used to satisfy their requirements in another major.

**Geography Faculty**

*Chairperson:* J. Chakraborty; *Full Professors:* J. Chakraborty; *Associate Professors:* P. Basu, M. Bosman, R. Pu, S. Reader; *Instructors:* E. Warren.

**GEOLOGY (GLY=B.A./GLS=B.S.) (CIP = 40.0601) (Track 1 of 2)**

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

The Department of Geology offers programs leading to Bachelor of Arts, Bachelor of Science, Master of Science, and Doctor of Philosophy degrees. Geology is one of the broadest of all sciences because of its dependence on fundamentals of biology, chemistry, mathematics, and physics as applied to the study of the earth. As a result, undergraduate students are expected to obtain a broad background in the other sciences as well as a concentration in geology.

The Bachelor of Science degree program provides the student with a hands-on foundation in the fundamentals of the geosciences. The Bachelor of Arts program is designed primarily for the liberal arts student who has an interest in the subject, but who is not preparing for a career in the field, or for the pre-professional school student. A student who elects the B.A. program and decides to pursue the geology profession or attend graduate school will need at least physics and field geology in his/her program.

The graduate program in geology allows the student to pursue advanced studies in nearly all areas of geology. As a result of faculty interests and geographic location, several geologic sub-disciplines are emphasized, including applied geophysics, coastal geology, geomorphology, geochemistry, hydrogeology, paleobiology, petrology, volcanology and geoscience education.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution**

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet USF’s Foundations of Knowledge and Learning (FKL) core curriculum requirements, thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.
Students should complete the following prerequisite courses listed below at the lower level prior to entering the University. If these courses are not taken at the community college, they (or their equivalents) must be completed before the degree is granted. Unless stated otherwise, a grade of C is the minimum acceptable grade.

- CHM X045/X045L General Chemistry I (with lab) or CHM X045C or CHM X040/X041
- CHM X046/X046L General Chemistry II (with lab) or CHM X046C
- GLY X010C Introduction to Physical Geology or GLY X010/X010L
- MAC X311 Calculus I or MTH X281
- PHY X048C* General Physics and Laboratory I or PHY X048/X048L or PHY X053C
- PHY X049C* General Physics and Laboratory II or PHY X049/X049L or PHY X054C
- XXX XXXX Historical Geology STRONGLY recommended

*The choice of physics sequence depends on the area of geology specialization.

Requirements for the Major in Geology (GLY) (B.A.)

Total Geology Courses Required for the B.A. (36 credit hours):

a. Introductory Sequence* (4 credit hours):
   1) One course, chosen from:
      - GLY 2010 Dynamic Earth: Introduction to Physical Geology
      - GLY 2030 Hazards of the Earth’s Surface: Environmental Geology
      - GLY 2100 History of Life
      - OCE 2001 Introduction to Oceanography
      or other comparable acceptable course offerings, as approved by the undergraduate advisor
   2) GLY 2000L Essentials of Geology Laboratory

   *Transfer students who have taken GLY 2010C or GLY 2100C or the equivalent will be deemed to have met the introductory sequence requirements. However, ALL students are strongly encouraged to take GLY 2000L, as this course will greatly facilitate success in the upper-level offerings.

b. Core Courses (20 credit hours):
   - GLY 4554C Sedimentary Record 2: The Earth’s Surface
   - GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution (if not counted toward core requirements above)
   - GLY 4324C Physical Volcanology
   - GLY 4480C Seismology
   - GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C, Fluid Earth 2: Hydrogeology (if not counted toward Core requirements above)
   - GLY 4310C Petrology
   - GLY 4866 Computational Geology
   - GLY 4921 Geocommunications
   - GLY 4780 Geologic Field Studies
   - And/or other 3000- or 4000-level GLY course, as approved by the undergraduate advisor

   *(Requirement is waived for students who have taken GLY2010, GLY 2000L or GLY 2010L, and GLY 2100, GLY 2100L.)

c. Upper-Level Electives (12 credit hours):
   - GLY 4554C Sedimentary Record 2: The Earth’s Surface
   - GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution (if not counted toward core requirements above)
   - GLY 4324C Physical Volcanology
   - GLY 4480C Seismology
   - GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C, Fluid Earth 2: Hydrogeology (if not counted toward Core requirements above)
   - GLY 4310C Petrology
   - GLY 4866 Computational Geology
   - GLY 4921 Geocommunications
   - GLY 4780 Geologic Field Studies
   - And/or other 3000- or 4000-level GLY course, as approved by the undergraduate advisor

   *(Requirement is waived for students who have taken GLY2010, GLY 2000L or GLY 2010L, and GLY 2100, GLY 2100L.)

d. Supporting Courses (24 hours):
   - CHM 2045 General Chemistry I
   - CHM 2045L General Chemistry I Laboratory
   - CHM 2046 General Chemistry II
   - CHM 2046L General Chemistry II Laboratory
   - [MAC 2281 and MAC 2282 (recommended)] or [MAC 2241 and MAC 2242] or [MAC 2311 and MAC 2312]
   - PHY 2048, PHY 2048L, PHY 2049, PHY 2049L (recommended)
   - or PHY 2053, PHY 2053L, PHY 2054, PHY 2054L

134
Requirements for the Major in Geology (GLS) (B.S.)

Total Geology Courses Required for the B.S. (44 credit hours):

**a. Introductory Sequence** *(4 credit hours):*

1) One course, chosen from:
   - GLY 2010 Dynamic Earth: Introduction to Physical Geology
   - GLY 2030 Hazards of the Earth's Surface: Environmental Geology
   - GLY 2100 History of Life
   - OCE 2001 Introduction to Oceanography
   Or other comparable acceptable course offerings, as approved by the undergraduate advisor

2) GLY 2000L Essentials of Geology Laboratory

*Transfer students who have taken GLY 2010C or GLY 2100C or the equivalent will be deemed to have met the introductory sequence requirements. However, ALL students are strongly encouraged to take GLY 2000L, as this course will greatly facilitate success in the upper-level offerings.

**b. Core Courses (20 hours):**

- GLY 3311C The Solid Earth: Petrology and Geochemistry
- GLY 3402C The Solid Earth: Plate Tectonics and Earth Structure
- GLY 3552C Sedimentary Record 1: Sedimentary Processes and Petrology
- GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C Fluid Earth 2: Hydrogeology
- GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution*

*(Requirement is waived for students who have taken GLY 2010, GLY 2000L or GLY 2010L, and GLY 2100, GLY 2100L.)*

**c. Upper-Level Electives (14 hours):**

- GLY 4554C Sedimentary Record 2: The Earth's Surface
- GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution (if not counted toward core requirements above)
- GLY 4324C Physical Volcanology
- GLY 4480C Seismology
- GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C, Fluid Earth 2: Hydrogeology (if not counted toward Core requirements above)
- GLY 4310C Petrology
- GLY 4866 Computational Geology
- GLY 4921 Geocommunications
- GLY 4780 Geologic Field Studies
- And/or other 3000- or 4000-level GLY course, as approved by the undergraduate advisor

**d. Quantitative Requirement (6 credit hours):**

Of these electives, at least six hours must be drawn from courses identified by the department as including high-quantitative content. Courses which meet this requirement include:

- GLY 4866 Computational Geology
- GLY 4822C Fluid Earth 2: Hydrogeology
- GLY 4324C Physical Volcanology
- GLY 4480C Seismology

Others may be approved by the undergraduate advisor

**e. Capstone Sequence (6 credit hours):**

- GLY 4947L Practical and Applied Geology: Laboratory Experience
- GLY 4948L Practical and Applied Geology: Field Experience
- GLY 4949L Practical and Applied Geology: Computational Experience

One (1) credit of each of these labs and any combination for the remaining three (3) credits, or an approved Geology field course.

**f. Supporting Courses (24 hours):**

- BSC 2010 Cellular Processes
- BSC 2010L Cellular Processes Laboratory
- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Laboratory
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Laboratory
- [MAC 2281 and MAC 2282 (recommended)] or [MAC 2241 and MAC 2242] or [MAC 2311 and MAC 2312]
- PHY 2048, PHY 2048L, PHY 2049, PHY 2049L (recommended)
  - or PHY 2053, PHY 2053L, PHY 2054, PHY 2054L
Free Electives (19-25 hours)

The student will choose, in consultation with his/her Geology advisor, such courses in the natural sciences that support his/her major interest in the field of geology. Courses in computer programming and additional mathematics courses are of particular value. Those students who anticipate continuing for a doctorate in graduate school are encouraged to take a foreign language, preferably French, German, or Russian.

D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.

Requirements for the Minor in Geology (GLY)

Sixteen (16) credit hours are required, which must include the completion of the introductory sequence courses (4 credit hours) listed above and any three Geology Core courses (12 hours).

Teacher Education Programs

Prospective elementary and secondary school teachers desiring to teach science should include basic courses in geology and related sciences as part of their curriculum.

Geology Honors Program

The purpose of the Honors Program is to provide a select group of undergraduate Geology majors an opportunity to undertake an intensive, individualized research experience. The culmination of the program is the completion and presentation of an honors thesis. To apply, interested students should contact the Geology undergraduate advisor during the second semester of the student's junior year. Admission to the program requires a GPA of 3.50 in the major and an overall GPA of 3.2.

Geology Faculty


Department of Government & International Affairs

The Department of Government and International Affairs includes programs in International Studies and Political Science. Its goal is to provide students the opportunity to study the nature of government, politics and administration at the local, national and international levels, as well as the interdisciplinary nature of the international system. Towards that end it offers students a choice of two undergraduate degrees, one in International Studies and another in Political Science. The Department of Government and International Affairs provides students with a range of courses of study and areas of concentration. For more specific details students are advised to consult the description of each specific program below.

• INTERNATIONAL STUDIES (INT) (CIP = 45.0901)

  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The major in International Studies enables students to undertake programs of study which emphasize: (a) preparation for careers in international activities, or (b) the study of particular international themes or topics, or (c) the study of particular regions or cultures. Each student develops a course of study designed to fulfill his or her career and educational goals in consultation with the International Studies advisor.

Requirements for the Major in International Studies (B.A.)

Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

While the International Studies program does not have mandatory prerequisites, a student may apply up to ten credit hours of lower-level courses from the following list of courses:

  AFS 2250 Culture and Society in Africa
  ANT 2410 Cultural Anthropology
The major consists of a minimum of 36 semester hours. At least 27 of these hours (nine courses) must be from the International Studies Program offerings.

**Required Core Courses (12 credit hours)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 3011</td>
<td>Globalization</td>
</tr>
<tr>
<td>INR 4083</td>
<td>Conflict in the World</td>
</tr>
<tr>
<td>INR 3038</td>
<td>International Wealth and Power or CPO 4034 Politics of Developing Areas</td>
</tr>
<tr>
<td>INR 3202</td>
<td>International Human Rights or INR 4502 International Organizations</td>
</tr>
</tbody>
</table>

Plus two area studies courses from the INT upper-division electives (3 hours each).

**Elective Courses (18 credit hours):**

The additional 18 hours must include at least three elective courses (9 hours) from within the Department of Government and International Affairs; the remaining 9 hours can be selected from courses offered from other departments which are approved by the major advisor as having adequate international or cross-cultural content.

Students transferring credit hours toward a major in International Studies must complete a minimum of 21 credit hours within the Government & International Affairs Department, regardless of the number of credits transferred.

With the approval of the major advisor, credits earned in INR 4900 and INR 4910 may be used to augment or substitute for the foregoing requirements. Students are encouraged, but not required, to engage in study abroad programs, a large number of which have been approved by the USF Education Abroad Department. Credits earned in such programs apply toward graduation and many also apply to the International Studies major. A limited number of internships in the Tampa Bay area are available to provide students with real-world experience while earning credits in the major. Also, USF is affiliated with The Washington Center, an internship program in the nation’s Capitol.

**Required Supporting Courses**

Students must pass a 2000-level foreign language course (that is, at least one semester of foreign language study beyond the first year introductory courses), or complete one year of study of a non-Western language. Students who are bilingual or who are already conversationally fluent or who can translate with facility from a foreign language text are exempt from the above course requirement, but the INT faculty may require demonstration of proficiency.

Students will be provided with academic advice and counsel about other courses offered throughout the university which may support and complement their major program. INT majors should plan their programs in conjunction with the advisor who is empowered to make appropriate substitutions when educationally justified.

**Requirements for the Minor in International Studies (INT)**

The minor in International Studies is a set of International Studies courses taken by a student that approximates one half of the upper level credits required for a major. The minor consists of 18 credit hours made up of six courses as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 3011</td>
<td>Globalization</td>
</tr>
<tr>
<td>INR 4083</td>
<td>Conflict in the World</td>
</tr>
<tr>
<td>INR 3038</td>
<td>International Wealth and Power or CPO 4034 Politics of Developing Areas</td>
</tr>
<tr>
<td>INR 3202</td>
<td>International Human Rights or INR 4502 International Organizations</td>
</tr>
</tbody>
</table>

Plus two (2) upper-level courses (6 hours) chosen from the International Studies Program’s offerings.

Each student’s program must be planned with the International Studies program major advisor, who is empowered to approve appropriate substitutions when educationally justified.

**POLITICAL SCIENCE (POL) (CIP = 45.1001)**

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

The undergraduate program leading to the B.A. degree in political science offers a general purpose degree, and a number of more specialized alternatives. The program is designed for students interested in and seeking to understand political problems, issues, and the nature of the political process, as well as the philosophical and legal basis of political structures and processes at local, state, national, and international levels. Satisfying the degree requirements prepares students for positions in the public and private sectors, for law school, for graduate work in political science, international relations, public administration, and related disciplines, for positions in education, and for applied political activity.
Requirements for the Major in Political Science (B.A.)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The state mandated common course prerequisites are:

Students should complete any two introductory courses with a

POS, INR or CPO prefix lower-level course (ideally POS 1041 or POS 2041, and POS 1112 or POS 2112)

A grade of C- is the minimum acceptable grade.

A minimum of 36 credit hours is required to satisfy the requirements of the major. Students must take the 12 credit hours of required core courses in Political Science coursework. No more than six (6) credit hours can be taken from POS 4905, POS 4910 and POS 4941. Students enrolled in the Washington, D.C. semester program may have this rule altered by their advisor. (A GPA of 3.0 is required to enroll in these courses; the Chair may grant special exception for students with a GPA between 2.70 and 2.99).

In addition, all Political Science majors are required to take at least three (3) credit hours of Economics coursework. (Please see an advisor for recommendations).

Required Core Courses (12 credit hours)

CPO 2002 Introduction Comparative Politics or INR 2002 Introduction to International Relations

Note that either CPO 2002 or INR 2002 must be taken as a core course. However, the other course not taken as a core course may be taken as an elective.

POS 2041 American National Government
POT 3003 Introduction to Political Theory
POS 3713 Empirical Political Analysis

Students should complete POT 3003 and POS 3713 by the end of their junior year; students transferring with 45 credit hours or more must complete these courses within their first two semesters in residence at USF. A grade of C- or better is required in all core courses.

Elective Courses (24 credit hours):

Students must choose electives from the seven fields listed below with at least one course from Field I, one course from Field II or III, and one course from any of Fields IV, V, VI, or VII. Core required courses must be completed before a course from a given field or field grouping may be taken.

Field I: Political Theory

POT 3013 Classical Political Theory
POT 4064 Contemporary Political Thought
POT 4054 Modern Political Theory
POT 4936 Selected Topics in Political Theory

Field II: Comparative Government and Politics

CPO 4034 Politics of the Development Areas
CPO 4930 comparative government and Politics of Select Areas
ASN 3012 Japan Today
ASN 3014 China Today
ASN 3030 The Middle East
EUS 3000 Europe
EUS 3022 Russia
LAS 3002 Latin America

Field III: International Relations

INR 3102 International Human Rights
INR 4403 International Law
INR 4035 International Political Economy
INR 4502 International Organizations
INR 3336 Intelligence and U.S. Foreign Policy
INR 4254 Africa in World Affairs
INR 3011 Globalization
INR 3018 World Ideologies
INR 3033 International Political Cultures
INR 3038 International Wealth and Power
INR 3084 International Terrorism
INR 3141 Global Security Policy
INR 3202 International Human Rights
INR 4083 Conflict in the World

Field IV: American National and State Governments
- POS 2080 The American Political Tradition
- POS 3182 Florida Politics and Government
- POS 4413 The American Presidency
- POS 2112 State and Local Government and Politics
- POS 3453 Political Parties and Interest Groups
- POS 4424 The American Congress
- POS 3173 Southern Politics
- POS 4204 Political Behavior, Public Opinion and Elections

Field V: Urban Government and Politics
- POS 3142 Introduction to Urban Politics and Government
- URP 4050 City Planning and Community Development

Field VI: Public Policy
- INR 3102 American Foreign Policy
- PUP 4203 Environmental Politics and Policy
- PUP 4002 Public Policy
- URP 4050 City Planning and Community Development

Field VII: Law and Politics
- INR 4403 International Law
- POS 3691 Introduction to Law and Politics
- POS 4614 Constitutional Law I
- POS 4624 Constitutional Law II
- POS 3283 Judicial Process and Politics

The following courses are not included within any of the seven fields, but may still be used as elective hours:
- PAD 3003 Introduction to Public Administration
- POS 4936 Senior Seminar
- PAD 4204 Political Behavior, Public Opinion and Elections
- POS 4941 Field Work
- POS 4905 Independent Study
- POS 4970 Honor Thesis
- POS 3931 Selected Topics
- POT 4109 Politics and Literature
- POT 4936 Selected Topics in Political Theory

Students transferring credit hours toward a major in Political Science must complete a minimum of 21 credit hours
within the Department, regardless of the number of credits transferred.

Requirements for the Minor in Political Science (POL)
A minor in political science requires the completion of a minimum of 18 credit hours.

Required Courses (6 credit hours):
- CPO 2002 Introduction to Comparative Politics or INR 2002 Introduction to International Relations
- POS 2041 American National Government
- POT 3003 Introduction to Political Theory

Elective Courses (12 credit hours):
An additional 12 credit hours of courses included in the Political Science major.

Students transferring credit hours toward a minor in Political Science must complete 12 credit hours within the
department, regardless of the number of credit hours transferred.

Fieldwork
Political Science has a fieldwork program that provides students with part-time internships with state and local
government and with political parties at the state and local level. Academic credit is available for such internships. For
further information, contact the Department of Government and International Affairs.

Honors in Political Science
The Honors Program in Political Science is designed for the outstanding undergraduate who seeks an intensive
learning experience plus academic recognition during the senior year.

Eligibility:
Political Science majors with a 3.5 GPA in Political Science courses and an overall 3.0 average will be invited to participate in the honors program.

Requirements:
Students who participate must complete the Honors seminar with a grade of “B” or better and must write an Honors Thesis, POS 4970. The Honors Thesis must meet the following criteria:

- a) a thesis proposal must be approved by the student’s major professor before s/he begins writing;
- b) students need two thesis advisors who must approve the final version of the thesis;
- c) students will publicly present their thesis and provide a copy of it to the department after the final draft has been approved;
- d) the thesis must be at least 50 pages long, contain an abstract, table of contents, bibliography and footnotes/endnotes;
- e) all thesis are due during the last week of classes for the semester in which the student is currently enrolled.

Pre-Law Plan in Political Science
The Political Science Program offers a pre-law plan designed for the undergraduate students who are considering a career related to law (Courses on Law and Politics are listed under Field VII of the Political Science undergraduate curriculum). The Pre-Law Plan is available to students of all majors. The courses making up the field are of particular interest to law-oriented students, but may be taken by others as well. Those following the pre-law plan are recommended to complete courses that can help them develop necessary skills to study law. Students receive the skills and information needed for entry into a number of law-related positions in business and government. Please see the departmental undergraduate advisor to obtain more information about the pre-law plan.

Prior to admission to law school, a student must take the Law School Admission Test (LSAT), as given by the Educational Testing Service of Princeton, New Jersey.

The Law School Admission Test is given simultaneously several times each year at the University of South Florida and numerous other testing centers throughout the state. Students should plan to take the test at least one year prior to planned enrollment in law school. Additional information is available from the Department of Government and International Affairs, University of South Florida.

Government and International Affairs Faculty

- HISTORY (HTY) (CIP = 54.0101)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The discipline of history embraces a diverse world of ideas, peoples, and events. Our faculty seeks to inform and question, to provoke and to challenge our students to a higher level of understanding of the past. History at the University of South Florida offers the student an opportunity to explore civilizations from around the globe and from the ancient through contemporary eras. We encourage our students to move beyond traditional memorization of material to a critical level of thinking, analysis, and synthesis. Accomplished history majors are attractive to all kinds of employers in any number of fields, as well as to graduate and professional schools. USF history alumni can be found in such diverse professions as law, medicine, business, government, Foreign Service, politics, and education.

Requirements for the Major in History (B.A.)
A minimum of 36 semester hours of History Department courses are required to earn a B.A. degree in History. A minimum grade of C- or better must be attained in each course counted toward the 36-hour requirement. A Major GPA of at least 2.00 is necessary for graduation.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution
Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. If students transfer with fewer than 60 semester hours of acceptable credit, they must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.
Specific state mandated common course prerequisites for admission to the major include:
- AFH, AMH, EUH, WOH, LAH, ASH, HIS prefix courses

6 credit hours
Lower-Level Course Requirements for the Major (12 credit hours):
Students must complete a minimum total of 12 hours of 2000-level courses, or their equivalent, to meet the lower-level requirements of the major. A two course sequence at the 2000 level must be chosen from
AMH 2010 History I and AMH 2020 American History II
EUH 2011 Ancient History I and EUH 2012 Ancient History II
EUH 2030 Modern European History I and EUH 2031 Modern European History II
The remaining six (6) credit hours may be chosen from any of the other 2000-level History courses. Completing the lower-level requirement of the major also satisfies the common course prerequisite requirement of six lower-level credit hours of courses with prefixes of AFH, AMH, EUH, WOH, LAH, ASH or HIS.

Upper-Level Course Requirements for the Major (18 credit hours)
A minimum of 18 hours of 3000- and 4000-level courses is required to fulfill the upper-level major requirement.

Additional Required Courses for the History Major – Permits required (6 credit hours):
HIS 4104 Theory of History (recommended in the junior year)
HIS 4936 Pro-Seminar in History (recommended in the senior year)
A GPA of 2.0 in the History major is required before a student may be permitted into either of these courses. Additionally, these courses may not be taken during the same semester.

For elective hours outside of the major, it is recommended that History majors take ENC 3310 Expository Writing, SPC 2608 Public Speaking and LIS 2005 Library and Internet Research Skills. Additional hours may be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Classics, Economics, Geography, International Studies, Political Science, Philosophy, Religious Studies, Sociology, Women’s Studies, English, Humanities and Art History.

NOTE: HIS 3938 Major Issues in History and HIS 3308 War and Society are not eligible for credit for the minor.

Requirements for the Minor in History (HTY)
Students must complete 18 credit hours in History department courses to earn the Minor in History. A minimum grade of C- or better must be attained in each course. A minimum of eight (8) hours must be completed at the University of South Florida. A minimum grade of “C-” or better must be attained in each course.

Required Course (6 credit hours):
One lower-level sequence (6 credit hours) is required, chosen from the following list:
AMH 2010 History I and AMH 2020 American History II
EUH 2011 Ancient History I and EUH 2012 Ancient History II
EUH 2030 Modern European History I and EUH 2031 Modern European History II

Twelve Electives (12 credit hours):
Students must select from 3000- and 4000 upper-level History department course offerings.

NOTE: HIS 3938 Major Issues in History and HIS 3308 War and Society are not eligible for credit for the minor.

History Faculty

The Department of Humanities & Cultural Studies
The Department of Humanities and Cultural Studies offers students a choice of two undergraduate degrees—one in Humanities and one in American Studies. Students may also minor in Humanities, American Studies and Film and New Media Studies. For more specific details, students are advised to consult the description of each specific program below.

• HUMANITIES (HUM) (CIP = 24.0103)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The Humanities Program offers an interdisciplinary curriculum that investigates the visual arts, music, and literature, and the cultures from which they emerge.

Requirements for the Major in Humanities (B.A.)
Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System
Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. There are no State Mandated Common Prerequisites for this degree program.

Course Requirements for the Humanities Major - 36 credit hours, distributed as follows:

**Core Courses - 12 hours:**

1. **HUM 2230 European Humanities: Renaissance – 20th Century**
2. **One additional Interdisciplinary Historical Survey:**
   - HUM 2210 Studies in Culture: The Classical Through Medieval Periods
   - HUM 2250 Studies in Culture: The 20th Century or AMS 2270 20th-Century
   - AMS 3001 American Culture 1880-1915
   - AMS 3260 American Culture 1830-1860
   - HUM 2466 Latin American Civilization II: Modern Latin America
   - HUM 2733 Eastern and Western Cultures Since 1400
3. **One Introductory Genre or Medium course:**
   - FIL 1002 Introduction to Film Studies
   - HUM 2522 Introduction to the Cultural Study of Popular Music
   - A similar course approved by the department
4. **HUM 3804 Introduction to Cultural Studies**
   - Students must pass this course with a B- or better in order to register for HUM 4331 Humanities Pro-Seminar.

**Specialization Courses - 9 hours:**

Coursework chosen in consultation with the undergraduate advisor to form a coherent focus of study. Students will follow one of two specialization areas: Modern Humanities or Ancient, Medieval and Early Modern. Up to six (6) of these hours can be taken in approved courses outside the department.

- **Ancient, Medieval, and Early Modern Specialization**
  - HUM 3407 Ancient Near East Cultures
  - CLA 3435 The Hellenistic World
  - HUM 3240 The Early Middle Ages
  - HUM 3231 The Renaissance
  - HUM 3237 The 17th Century
  - HUM 3241 Central Medieval and Gothic Europe
  - HUM 3242 The Enlightenment

- **Modern Specialization**
  - HUM 3242 The Enlightenment
  - HUM 3244 19th Century European Culture
  - HUM 3457 19th Century American Culture
  - HUM 3458 20th Century American Culture
  - AMS 3230 American During the 1920s and 1930s
  - AMS 3001 American Culture 1880-1915

Students should consult the undergraduate advisor for information on approved specialization course clusters.

**Interdisciplinary Cultural Studies Courses - 9 hours:**

Students must take three courses from among the following. All are variable topics courses and may be repeated up to 6 hours with a change of topic.

- HUM 4261 Cultural Periods and Styles
- HUM 4391 Places, Spaces, and Regions
- HUM 4824 Issues in Cultural Theory
- HUM 4825 Identity and Power
- HUM 4890 Genres and Media

**Pro-Seminar/Senior Seminar - 6 hours (A two-semester senior-year sequence):**

1. **HUM 4331 Humanities Pro-Seminar**
   - Students must have at least 6 credits of upper-level major coursework in addition to a B- in HUM 3804 in order to enroll in HUM 4331.
2. **HUM 4931 Seminar in Humanities**
   - Students must pass HUM 4331 with at least a C- to register for HUM 4931.
Requirements for the Minor in Humanities (HUM)

The curriculum for the Humanities minor is comparable to that of the program for the B.A. degree, but it is less comprehensive. Course requirements are as follows:

- **Eighteen semester hours of Humanities courses (HUM prefix)**
- No more than eight of these eighteen hours may be taken below the 3000 level.

Requirements for the Minor in Film & New Media Studies (FNM)

The Minor in Film and New Media Studies (18 credit hours) is designed to train students in the historical contexts and analytical skills necessary to understand how film and new media (including television, video games, and Internet culture) communicate cultural values and shape our apprehensions of the world.

1. **FIL 1002 Introduction to Film Studies**
2. **FIL 3052 Foundations of Film & New Media** (prerequisite is FIL 1002)
3. **FIL 3077 Contemporary Film & New Media** (prerequisite is FIL 1002)
4. One 3000- or 4000-Level Genres/Auteurs/Production Course
   - Students should choose a course from the following list:
     - ART 3612C Beginning Digital Video and Electronic Arts
     - COM 3052 Cultural Studies and Communication
     - COM 4931 Selected Topics in Media Analysis
     - GET 3522 Fantastic Films of Early German Cinema
     - GEW 4930 Selected Topics
     - HUM 4582 Film Auteurs
     - HUM 4890 Genres and Media
5. One 3000- or 4000-Level National Cinemas/Themes Course
   - Students should choose a course from the following list:
     - AMS 3615 Film & American Society
     - COM 4414 Race and Gender in Popular Film and Television
     - ENG 4674 Film and Culture
     - FRE 4392 African Images in Francophone Film
     - GET 3524 German Popular Film
     - GET 4523 New German Cinema to Present
     - ITT 3504 Italian Culture through Cinema
     - ITT 4505 Italy & the Italian-American Experience
     - LIT 4930 Selected Topics in English Studies
     - REL 3111 The Religious Quest in Contemporary Films
     - SPC 4310 Relationships on Film
     - SPT 3100 Masterpieces of Hispanic Literature
     - SYG 3011 Social Problems through Film
     - WST 4335 Women and Film
6. One additional 3000- or 4000-Level Elective Film Course, 3 credits.
   - Students should choose from either the Genres/Auteurs/Production or National Cinemas/Themes course lists or consult with the undergraduate advisor.

- **AMERICAN STUDIES (AMS) (CIP = 05.0102)**

  **TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

  The American Studies major is designed for students who seek to understand the cultural patterns, beliefs and values that have unified and sometimes divided Americans. American Studies is an interdisciplinary program that emphasizes the diversity of American people and institutions; the importance of gender, race, ethnicity and social class; the material and technological foundations of American society; the development of distinctive regions within the United States; and creative expression in art, architecture, film, literature, music and photography.

  Requirements for the Major in American Studies

  Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution

  Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

  There are no State Mandated Common Prerequisites for this degree program.

  Course Requirements for the American Studies Major -36 credit hours, distributed as follows:
1. AMS 2030 Introduction to American Studies
2. AMS 2270 Twentieth-Century American Culture
3. Two 3000- or 4000-level Period courses (e.g. AMS 3230, AMS 3001, AMS 3260)
4. One 3000- or 4000-level Regions or Regionalisms course (e.g. AMS 4210)
5. Two 3000- or 4000-level Genre or Media courses (e.g. AMS 3601, AMS 4305, HUM 4582, AMS 4305)
6. Six (6) credit hours of AMS electives
7. HUM 3804 Introduction to Cultural Studies
   Students must pass HUM 3804 with a B- or better in order to register for AMS 4936 American Studies Pro-Seminar.
8. AMS 4936 American Studies Pro-Seminar
   Students must have at least 6 credit hours of upper-level major coursework in addition to a B- in HUM 3804 in order to enroll in AMS 4936 American Studies Pro-Seminar.
9. AMS 4935 Senior Seminar in American Studies
   Students must pass AMS 4936 American Studies Pro-Seminar with at least a C- to register for AMS 4935 Senior Seminar in American Studies.

Requirements for the Minor in American Studies
18 credit hours distributed as follows:
1. AMS 2030 Introduction to American Studies
2. AMS 2270 Twentieth-Century American Culture
3. Twelve (12) hours of upper-level AMS courses or other departmental courses approved by the undergraduate advisor.

Humanities and Cultural Studies Faculty
Chairperson: D. Belgrad; Professor: R.E. Snyder, W. Cummings; Associate Professors: D. Belgrad, A. Berish, M. Cizmic, A. Cozzi, J. D'Emilio, R. May, B. Sadler; Assistant Professors: S. Ferguson, A. Rust, Professors Emeriti: C.B. Cooper, S.L. Gaggi, G.S. Kashdin, D. Rutenberg; Instructors: S. Dykins Callahan, B. Cook, B. Goldberg, N. Kantzios.

• INTERDISCIPLINARY SOCIAL SCIENCES (ISS) (CIP = 45.0101)
TOTAL PROGRAM HOURS = 120 CREDIT HOURS
The ISS program is designed to provide an interdisciplinary integration of the social sciences for students who are interested in a broad educational experience. ISS offers a wide choice of courses, and an opportunity to design a quality program geared toward individual needs and interests. Students plan their program in ongoing consultation with the advisor who approves each individual curriculum contract.
Specific requirements for a B.A. degree in Interdisciplinary Social Sciences (ISS) are outlined below:

Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution
Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.
XXX XXXX (6 credit hours) Two introductory courses in a Social Sciences discipline.

Interdisciplinary Core Courses
Two of these courses, ISS 3010 Introduction to the Social Sciences and ISS 4935 Seminar in the Social Sciences, introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human life and experience; the various concepts, theories and methods used in the social sciences; and apply them to contemporary issues and questions. STA 2122 Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

Coursework required for Interdisciplinary Social Sciences Majors
1. Required core courses for the major are:
ISS 3010 Introduction to Social Sciences
ISS 4935 Seminar in the Social Sciences
STA2122 Social Sciences Statistics

2. ISS students choose two concentration areas and completes twelve hours in each.
   Concentrations areas must be selected from the areas of study listed below:
   - Africana Studies, American Studies, Anthropology, Communication, Criminology, Economics, Environmental
     Science and Policy, Gerontology, Geography, History, Humanities, International Studies, Interpreter Training,
     Language, Speech & Hearing Sciences, Latin American Studies, Library and Information Science, Multidisciplinary
     Behavioral Healthcare, Political Science, Psychology, Public Administration, Religious Studies, Sociology, Women’s
     and Gender Studies.

3. In addition, three special electives emphasize cultural diversity: Africana Studies, Women’s and Gender Studies and
   International Studies.

4. Upon declaration of the major, students should meet with an advisor to declare concentrations, particularly before
   too many courses are completed in the College of Arts and Sciences. **No student should assume that courses
   already completed will automatically count toward the ISS degree.**

5. The completion of 42 approved hours of coursework from the College of Arts and Sciences (CAS), with a minimum
   of 30 hours at the 3000- or above level.

6. Students must maintain a minimum grade point average of 2.0 in ISS to graduate.

7. ISS majors must satisfy two semesters of a foreign language in order to graduate.

8. Other personal curricula may be tailored for those highly motivated students, with a minimum GPA of 3.2, developed
   with the approval of the advisor. This course of study will be directed toward the special educational interests of these
   students. An in-depth Honors Research Paper will be required of students taking this option.

   No more than two grades of “D” are acceptable in the ISS major.

**Interdisciplinary Social Sciences Faculty**

_Director:_ S. Bingham.

• **INFORMATION STUDIES (IFS) (CIP = 11.0103 - Track 2 of 4)**

  **TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

  The **Bachelor of Science in Information Studies** program is meant to prepare students for leadership careers in
  a wide array of environments and contexts related to the emerging knowledge economy. The program integrates
  critical skills in information technology with the solid theoretical and disciplinary foundations of Information Science.
  Emphasis is given to understanding how people interact with information and technology; the complexities of the
  information society; information creation, storage, and organization applications and theories; information
  architecture; and related knowledge and skills needed to design, implement, and evaluate new tools and approaches
  to solve emerging information problems. The School of Information also offers other undergraduate courses that
  provide the understanding and skills needed to access essential information resources in an increasingly
  information driven, technological world, whether in support of scholarship in academic disciplines or the
  occupational demands of society.

  Courses are delivered in a variety of formats (face-to-face, blended, web-based). Advising is available in the School.
  For more information visit: [http://si.usf.edu](http://si.usf.edu).

  **Students admitted to the program prior to the Fall 2011 semester follow previous catalog guidelines.**

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution**

Students should complete the following prerequisite courses listed below at the lower level prior to entering the
university. If these courses are not taken at the community college, they must be completed before the degree is
granted. Unless otherwise stated, a grade of C- is the minimum acceptable grade.

- **PSY XXXX**  Any Psychology course
- **STA X023**  Introductory Statistics I or STA X122
- **ECO X013**  Principles of Economics (Macroeconomics)
- **CGS XXXX**  Any Database Course
- **COP XXXX**  Any Computer Programming course
- **COP XXXX**  Any Object-Oriented Computer Programming course
- **MAC XXXX**  Any Pre-Calculus or Discrete Math course
- **PHI XXXX**  Any general ethics course

**Information Studies Major Courses (30 credits):**

- **LIS 3261**  Introduction to Information Science
- **LIS 3783**  Information Architecture
- **LIS 3353**  IT Concepts for Information Professionals
- **LIS 3361**  World Wide Web Page Design and Management
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIS 4482</td>
<td>Networks and Communication</td>
</tr>
<tr>
<td>LIS 4414</td>
<td>Information Policy and Ethics</td>
</tr>
<tr>
<td>LIS 4365</td>
<td>Web Design Technologies</td>
</tr>
<tr>
<td>LIS 3352</td>
<td>Interaction Design</td>
</tr>
<tr>
<td>LIS 4204</td>
<td>Information Behaviors</td>
</tr>
<tr>
<td>LIS 4930</td>
<td>Selected Topics in Information Studies</td>
</tr>
</tbody>
</table>

**Electives (15 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3360</td>
<td>Principles of Information Security</td>
</tr>
<tr>
<td>CIS 3362</td>
<td>Cryptography and Information Security</td>
</tr>
<tr>
<td>CIS 4203</td>
<td>Computer Forensics &amp; Investigations</td>
</tr>
<tr>
<td>CIS 4204</td>
<td>Ethical Hacking</td>
</tr>
<tr>
<td>CIS 4368</td>
<td>Database Security and Audits</td>
</tr>
<tr>
<td>CIS 4412</td>
<td>Information Technology Resource Management</td>
</tr>
<tr>
<td>CIS 4510</td>
<td>IT Project Management</td>
</tr>
<tr>
<td>ISM 3011</td>
<td>Information Systems in Organizations</td>
</tr>
<tr>
<td>ISM 4213</td>
<td>Advanced Database Administration</td>
</tr>
<tr>
<td>ISM 4382</td>
<td>Global Information Systems</td>
</tr>
<tr>
<td>ISM 4400</td>
<td>Decision Support Systems</td>
</tr>
<tr>
<td>ISM 4480</td>
<td>Electronic Commerce Systems</td>
</tr>
<tr>
<td>LIS 4930</td>
<td>Selected Topics in Information Studies</td>
</tr>
</tbody>
</table>

**Exit Courses (6 credits):**

- ENC 3249 Communication for Information Professionals
- XXX XXXX A Capstone Course

### School of Information Faculty

**Director:** J. Andrews; **Professors:** R. Borum, J. Gathegi, V. Gregory, K. McCook; **Associate Professors:** J. Andrews, C. Dunkley, J. Yoon; **Assistant Professors:** A. Friedman, H. Huang, J. Niu, E. Schneider; **Professors Emeriti:** A. Perrault, H.M. Smith; **Instructors:** L. Alexander, D. Austin, R. Austin, K. Cox, H. Haubitz, J. Sullivan.

### MASS COMMUNICATIONS (COM) (CIP = 09.0102)

**TOTAL PROGRAM HOURS = 124 CREDIT HOURS**

The University of South Florida's School of Mass Communications prides itself on its focus on contemporary professional communications grounded in the traditional liberal arts. The program emphasizes strategic thinking, persuasive presentations, clear and compelling writing, and the use of appropriate media in professional communications and media distribution. It introduces students to the theories, principles, and practices of professional communications, based on the concept of freedom of information as the cornerstone of constitutional democracy. It prepares students for future leadership roles in professional communications and media.

Graduates of the School of Mass Communications will understand the structure and functions of mass media systems as well as the basic processes of professional communication. In addition, students specialize in an area of mass communications (advertising, multimedia journalism and production, or public relations) to blend a strong introduction to professional skills with the theoretical orientation.

Mass communications students are encouraged to pursue internships in Mass Communication and related fields. If certain prerequisites and criteria are met, students may receive credit for these opportunities.

### Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

*This is a limited access program.* Students wishing to transfer to USF should complete an A.A. degree at a Florida College System institution. Some courses required for the major may also meet Foundations of Knowledge and Learning General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students must complete 18 semester hours (may not include ENC or LI prefix courses) outside the Mass Communications curriculum and beyond the 36 hours of general education requirements prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. A grade of C (not C-) is the minimum acceptable grade.

Students are **encouraged** to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

- English Composition (minimum grade of C not C-)
- MMC 3602 Mass Communications and Society
Prior to being admitted to the School of Mass Communications, a student must:

1. Complete a minimum of 30 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of C not C-).
2. Earn a 2.75 overall GPA.
3. Pass a School-administered English Diagnostic Test.

A maximum of nine (9) semester hours in Mass Communications courses will be accepted from a community college or other lower-level program toward a degree in Mass Communications. It is suggested that the nine hours include the equivalent of the School core curriculum and one sequence introductory course. Approval by an appropriate advisor is required.

Entrance Requirements for School of Mass Communications
Students must meet the following requirements to gain entrance into MMC 2100 – Writing for the Mass Media:

1. 2.75 Overall GPA
2. Completion of ENC 1101 and 1102 with a minimum grade of C not C- in each
3. Minimum of 30 hours (including at least 15 semester hours for which grades and a grade point average have been awarded)
4. Minimum score of 60 percent (120 out of a possible 200 points) on the Mass Communications English Diagnostic Test OR 70 percent (140 out of a possible 200 points) for students who transfer MMC 2100 or its equivalent

All majors must complete MMC 2100 Writing for the Media, and MMC 3602 Mass Communications and Society, with a minimum grade of C not C- in both MMC 2100 and MMC 3602 will be disallowed as majors in the School.

Graduation Requirements for School of Mass Communications
The Mass Communications major requires six (6) hours of core curriculum courses (MMC 2100 and MMC 3602) and 31 hours of required and elective sequence courses for a total of 37 hours in Mass Communications within the 124-hour degree requirement. Six hours in Mass Communications writing courses (three hours in addition to MMC 2100) are a part of the graduation requirement.

Additional graduation requirements:

1. A 2.5 GPA in Mass Communications courses is required for graduation.
2. No student may graduate with a grade lower than C not C- in any Mass Communications course.
3. 80 hours in courses outside the School of Mass Communications, including 65 hours in liberal arts courses (as approved by the School).
4. No more than 44 hours of Mass Communications courses may be applied toward the bachelor's degree within the 124-hour graduation requirement.
5. At least 22 hours of resident School courses are required.
6. Sign Language may be used as an option by Mass Communications majors to fulfill the language requirement.

Most Mass Communications courses have prerequisites as specified in the course descriptions (these prerequisites are separate from the State Mandated Common Prerequisites for program admission listed below). Refer to each prerequisite listed to determine progressive prerequisites for each course. Students should also note that the Mass Communications major is a four-semester program at a minimum and the majority of courses are offered only during the day.

All material submitted by students as assignments in writing, reporting, editing, photography and electronic news gathering and production classes is subject to publication or broadcast. The School uses a variety of online, print and electronic media outlets.

The School of Mass Communications (B.A.) Core Curriculum
MMC 2100 Writing for the Mass Media
MMC 3602 Mass Communication and Society

Concentration Requirements:

Advertising Concentration (ADV)
Required Courses:
ADV 3008 Introduction to Advertising
ADV 3101 Advertising Creativity
ADV 3300 Advertising Media Strategy
ADV 3500 Advertising Research
ADV 4600 Advertising Management
ADV 4800 Advertising Campaigns or MMC 4936 Selected Topics in Mass Communication Studies*
ADV 4940 Advertising Practicum
MMC 4200 Communications Law or MMC 4203 Media Ethics

**Electives Requirements:** (choose one course)
- JOU 2100 Beginning Reporting
- PUR 3000 Principles of Public Relations
- RTV 3001 Introduction to Telecommunications
- MMC 4936 Selected Topics in Mass Communications Studies*

*Please see the academic advisor for appropriate selected topics courses.

**Other Requirements:**
The following courses are required outside the School to complete sequence requirements:
- ECO 1000 Basic Economics
- MAR 3023 Basic Marketing

**Advertising Concentration Specialization Courses:**
- Creative Specialization (students are required to take two courses in this specialization area)
- ADV 4204 Advanced Advertising Creativity (required)
- ADV 4710 Portfolio Building or MMC 4936 Selected Topics in Mass Communications Studies*
- Media Specialization (students are required to take two courses in this specialization area)
- ADV 4301 Advanced Media Strategy (required)
- ADV 4310 Digital Media or MMC 4936 Selected Topics in Mass Communications Studies*

**Journalism-News-Editorial Concentration (JOU)**

**Required Courses:**
- JOU 2100 Beginning Reporting
- JOU 3101 Advanced Reporting
- JOU 4181 Public Affairs Reporting
- JOU 4201 News Editing I
- MMC 4200 Communications Law
- MMC 4203 Communication Ethics
- JOU 4206 Newspaper and News Publication Design or PGY 3610 Photojournalism I

**Elective Requirements:**
Ten (10) credit hours, selected with advisor’s approval

**Other Requirements:**
The following courses are required outside the School to complete sequence requirements:
- ECO 1000 Basic Economics
- PHI 1103 Critical Thinking
- POS 2041 American National Government
- SYG 2010 Contemporary Social Problems
- POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics & Government

**Journalism-Magazine Concentration (MAG)**

**Required Courses:**
- JOU 2100 Beginning Reporting
- JOU 3101 Advanced Reporting
- JOU 3308 Magazine Article and Feature Writing
- JOU 4201 News Editing I
- JOU 4212 Magazine Design and Production
- MMC 4200 Communications Law
- MMC 4203 Communication Ethics
- MMC 4420 Research Methods

**Elective Requirements:**
Seven (7) credit hours, selected with advisor’s approval

**Other Requirements:**
The following courses are required outside the School to complete sequence requirements:
- ECO 1000 Basic Economics
- CRW 2100 Narration and Description
- PHI 1103 Critical Thinking
- POS 2041 American National Government
- SYG 2010 Contemporary Social Problems
- POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics and Government
Broadcast News Concentration (NWS)

Required Courses:
- JOU 4181 Public Affairs Reporting
- MMC 4200 Communications Law
- MMC 4420 Research Methods
- RTV 3001 Introduction to Telecommunications
- RTV 3301 Broadcast News
- RTV 4304 TV News
- RTV 4320 Electronic Field Production

Elective Requirements:
Ten (10) credit hours, selected with advisor’s approval

Other Requirements:
The following courses are required outside the School to complete sequence requirements:
- PHI 1103 Critical Thinking
- POS 2041 American National Government
- SPC 2608 Public Speaking
- POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics and Government

Broadcast-Program and Production Concentration (PGM)

Required Courses:
- MMC 4200 Communications Law
- RTV 2100 Writing for Radio and TV
- RTV 3001 Introduction to Telecommunications
- RTV 3301 Broadcast News
- RTV 4220 TV Production and Direction
- RTV 4320 Electronic Field Production
- RTV 4500 Telecommunications Programming and Management

Elective Requirements:
Ten (10) credit hours, selected with advisor’s approval

Other Requirements:
The following courses are required outside the School to complete sequence requirements:
- PHI 1103 Critical Thinking
- CRW 2100 Narration and Description or ENC 3310 Expository Writing

Public Relations Concentration (PUR)

Required Courses:
- ADV 3008 Introduction to Advertising
- JOU 2100 Beginning Reporting
- MMC 4200 Communications Law or MMC 4203 Communication Ethics
- PUR 3000 Principles of Public Relations
- PUR 3500 Public Relations Research
- PUR 4100 Writing for Public Relations
- PUR 4101 Public Relations Design and Production
- PUR 4401 Public Relations: Issues, Practices, Problems
- PUR 4801 Advanced Public Relations

Elective Requirements:
Four (4) credit hours, selected with advisor’s approval

Other Requirements:
The following courses are required outside the School to complete sequence requirements:
- ECO 1000 Basic Economics
- LIS 2005 Library and Internet Research Skills
- MAN 3025 Principles of Management
- MAR 3023 Basic Marketing
- POS 2041 American National Government
- POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics and Government

Requirements for the Minor in Mass Communications (COM)
The minor in Mass Communications is available to students pursuing any other major at USF. Students who wish
to minor must apply for admission to the School of Mass Communications and must meet all admission standards required of majors. Please see “Requirements for the Major in Mass Communications” for more admission information.

The minor in Mass Communications requires a minimum of 18 hours of School coursework, including:
- MMC 2100 Writing for the Media
- MMC 3602 Mass Communications and Society
- Electives (12 credit hours):
  - Twelve (12) hours may be selected from among School offerings and must include a minimum of nine (9) hours at the 3000-level or higher.

All major course prerequisites must be met.

A grade of “D” or “F” will not be counted toward a Mass Communications minor and a 2.5 GPA in all minor coursework must be maintained. All minor hours must be completed at USF.

Mass Communications Faculty

Department of Mathematics and Statistics

The Department of Mathematics and Statistics offers a diversity of courses designed not only to enable the student to pursue professions in mathematics and statistics, but also to enhance the student’s competence in the fields of engineering, the physical sciences, the life sciences, and the social sciences. The department offers programs leading to the B.A., M.A., and Ph.D. degrees. The undergraduate programs emphasize the broad nature of modern mathematics and statistics and its close associations with the real world. The programs are designed to prepare students for entry into graduate school or careers in industry or secondary education.

The Department of Mathematics and Statistics consists of approximately 31 full-time faculty members, whose areas of interest include: algebra, applied mathematics, approximation theory, celestial mechanics, complex analysis, dynamical systems, functional analysis, graph theory, logic, number theory, ordinary differential equations, partial differential equations, potential theory, probability theory, real analysis, statistics, theoretical computer science, and topology.

Minimum Grade Requirements
In general, grades of C- or better are required for courses in the mathematics major and minor and in the statistics major. However, C- is not an acceptable grade for any course that is being used as a prerequisite for a follow-on course. For these courses a grade of C (2.0 GPA) or better is required. Students whose prerequisites are more than three years old will be expected to take a placement test prior to taking a follow-on course.

Teacher Education Programs
For information concerning the degree programs for secondary school teachers, please see the description given in the College of Education’s, Department of Secondary Education’s catalog section.

• MATHEMATICS (MTH) (CIP = 27.0101) (Track 1 of 4)

Requirements for the Major in Mathematics (B.A.)
Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF from a Florida College System institution should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- COP XXXX A Scientific Programming Course designed for Computer Science Majors
- MAC X311 Calculus I
- MAC X312 Calculus II – Calculus with Analytic Geometry II
In order to gain admission to the program a student must satisfy the following requirements:

1. have at least a 2.0 GPA for all USF college courses, and
2. have at least a 2.0 GPA for all Mathematics courses.

The courses taken to satisfy the requirements below will constitute the major program referred to in the General Graduation Requirements of the College of Arts and Sciences.

Majors are encouraged to consult the department’s undergraduate advisor before every semester. The undergraduate advisor will recommend electives that are appropriate for the student’s interests and goals.

Students are encouraged to consider the Honors Program and the Accelerated BA/MA Program, which are outlined below.

1. **Mathematics Requirements** (Minimum 45 credit hours)
   
   **Core Requirement.** Majors must complete the following six courses (21 credit hours):
   
   - MAC 2311 Calculus I
   - MAC 2312 Calculus II
   - MAC 2313 Calculus III
   - MAP 2302 Differential Equations
   - MGF 3301 Bridge to Abstract Mathematics
   - MAS 3105 Linear Algebra
   
   **Algebra Requirement:** Majors must complete the following courses (3 credit hours):
   
   - MAS 4301 Elementary Abstract Algebra
   
   **Analysis Requirement:** Majors must complete one of the following courses (3 credit hours):
   
   - MAA 4211 Intermediate Analysis I
   - MAS 4156 Vector Calculus
   
   Majors who complete both MAA 4211 and MAS 4156 may count one of these towards the Elective Requirement below.

   **Elective Requirement.** Majors must complete seven courses from the following electives (Minimum 21 credit hours):
   
   - COP 4313 Symbolic Computations in Mathematics
   - MAA 4211 Intermediate Analysis I
   - MAA 4212 Intermediate Analysis II
   - MAA 4402 Complex Variables
   - MAD 4401 Numerical Analysis I
   - MAD 4402 Numerical Analysis II
   - MAD 4504 Theory of Computation
   - MAP 4202 Optimization
   - MAS 4156 Vector Calculus
   - MAT 4970 Mathematics Senior Thesis
   - MHF 4406 History of Modern Mathematics
   - MTG 4214 Modern Geometry
   - MTG 4302 Introduction to Topology
   - STA 4321 Essentials of Statistics
   - STA 4442 Introduction to Probability

2. **Mathematics-Related Courses** (Minimum 6 credit hours)
   
   Students must take two courses in Science or Engineering which are required courses for the majors within those departments. The two courses need not be in the same department. Science courses must include laboratories and be offered by the departments of Cell Biology, Microbiology and Molecular Biology; Chemistry; Geology; Integrative Biology or Physics.

   **Special Notes:**
   
   MAT 4930 Selected Topics in Mathematics may be taken as electives with the prior approval of the Chair of the department.

   One or two courses from another department which are of high mathematical content may also be taken as electives, with the approval of the Chair of the department.

   Students wishing to take a course in Statistics should first take STA 4442 Introduction to Probability and then STA
4321 Essentials of Statistics.

Students wishing to continue towards a graduate degree in Mathematics should take MAS 4301 Elementary Abstract Algebra and MAA 4211 Intermediate Analysis I. (See also the sections on the Honors Program and the Accelerated BA/MA Program below.)

Students are required to take a minimum of 12 credit hours of required courses from the department of Mathematics and Statistics at USF-Tampa.

HONORS PROGRAM IN MATHEMATICS

The program is designed for students who wish to obtain a B.A. degree that will indicate unusual strength in the field of mathematics. Successful completion of the program will be prominently displayed on the student’s diploma and will be recorded on the official USF transcript of the student’s work.

Students are eligible for admission to the program when they:
1. have completed MAS 4301 Elementary Abstract Algebra;
2. have at least a 3.0 GPA for all college courses; and
3. have at least a 3.5 GPA for all Mathematics courses.

Applications are submitted to the Undergraduate Committee in the Department of Mathematics.

The requirements for a B.A. degree in mathematics with Honors are as follows:
1. completion of the requirements of the major in Mathematics;
2. completion of MAA 4211 Intermediate Analysis I;
3. completion of MAT 4970 Mathematics Senior Thesis;
4. completion of eight Mathematics courses at or above the 4000-level;
5. at least a 3.0 average for all college courses; and
6. at least a 3.5 average for all Mathematics courses.

ACCELERATED B.A./M.A. PROGRAM

This program is designed for superior students having a solid background in high school mathematics and the ability to handle a fast paced, challenging program leading to a B.A. and M.A. degree in Mathematics in four to five years.

The program meets all the requirements for the BA degree but requires the student to take the graduate-level courses required for the M.A. degree during the last two years in the program. Up to 20 hours of graduate courses may be counted towards the M.A. degree as well as the B.A. degree but not towards the undergraduate major (that is, as free electives).

For admission to the program, a student must:
1. have completed at least 30 hours of college credit including 8 hours of 3000-level or above Mathematics courses;
2. have at least a 3.0 GPA for all college courses; and
3. have at least a 3.5 GPA for all Mathematics courses taken at the 3000-level or above.

To apply for admission, send a letter to the Chair of the Department of Mathematics stating your qualifications and desire to enter the program. An important benefit of this program is that a student is eligible to apply for a graduate teaching assistantship once he or she has completed the undergraduate Mathematics major courses.

Requirements for the Minor in Mathematics (MTH)

The minor in Mathematics is open to all students. Students with majors in the sciences, engineering, business, and the social sciences are particularly encouraged to pursue the minor. A student wishing to receive a minor in Mathematics must meet the following course requirements (minimum of 27 credit hours):

1. Required Courses (20 credit hours)
   Either:
   MAC 2311 Calculus I or MAC 2281 Engineering Calculus I
   MAC 2312 Calculus II or MAC 2282 Engineering Calculus II
   MAC 2313 Calculus III or MAC 2283 Engineering Calculus III
   MGF 3301 Bridge to Abstract Mathematics
   MAS 3105 Linear Algebra
   MAS 4156 Vector Calculus

2. Elective Courses (Minimum 6 credit hours)
   Complete any two (2) Mathematics courses that are required or elective course for the major in Mathematics.

Special Notes:
A student wishing to receive a minor in mathematics is required to take a minimum of eight (8) credit hours of required courses in the Department of Mathematics and Statistics at USF-Tampa.
• STATISTICS (STC) (CIP = 27.0501)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Requirements for the Major in Statistics (B.A.)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF from a Florida College System institution should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements. The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- COP XXXX A Scientific Programming Course designed for Computer Science Majors
- MAC X311 Calculus I
- MAC X312 Calculus II – Calculus with Analytic Geometry II
- MAC X313 Calculus III
- STA 2XXX Statistics
- BSC XXXX / XXXXL
- CHM XXXX / XXXXL
- PHY XXXX / XXXXL
- GLY XXXX / XXXXL

The courses taken to satisfy the requirements below will constitute the major program referred to in the General Graduation Requirements of the College of Arts and Sciences.

Majors are encouraged to consult the department’s undergraduate advisor before every semester. The undergraduate advisor will recommend electives that are appropriate for the student’s interests and goals.

Statistics Requirements (Minimum 47 credit hours)

Core Requirement. Majors must complete the following five courses (Min. 19 credit hours):

- MAC 2311 Calculus I or MAC 2281 Engineering Calculus I
- MAC 2312 Calculus II or MAC 2282 Engineering Calculus II
- MAC 2313 Calculus III or MAC 2283 Engineering Calculus III
- MGF 3301 Bridge to Abstract Mathematics
- STA 4102 Computational Methods for Applied Statistics

Plus completion of one of the four lab-based Science courses below

- BSC XXXX / XXXXL
- CHM XXXX / XXXXL
- PHY XXXX / XXXXL
- GLY XXXX / XXXXL

Required Courses (Minimum 12 credit hours):

- STA 2023 Introductory Statistics I
- STA 3024 Introductory Statistics II
- STA 4321 Essentials of Statistics
- STA 4442 Introduction to Probability I

Elective Requirement: Majors must complete four courses from the following electives (Minimum 15 credit hours):

- STA 4222 Sample Survey Design
- STA 4502 Nonparametric Statistical Methods
- STA 4504 Categorical Data Analysis
- STA 4702 Multivariate Statistical Methods
- STA 4852 Applied Time Series
- MAP 2302 Differential Equations
- MAS 3105 Linear Algebra

Special Notes: One or two courses from another department which are of high statistical content may be taken as electives, with the approval of the Chair of the department.

STA 4930 Selected Topics in Statistics may be taken as electives, with the prior approval of the Chair of the
Mathematics and Statistics Faculty

- **PHILOSOPHY (PHI) (CIP = 38.0101)**
  
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

Students are **encouraged** to complete the following courses if available during the program of study at the community college and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- Mathematics (any courses)
- Foreign Languages (Beginning and Intermediate German, French, or Latin) (1120-1121 level and 2200-2201 level)
- Classics (CLT, CLA for example)

Requirements for the Major in Philosophy (B.A.)

Majors in philosophy must complete at least 36 credit hours comprised of the following:

a. PHH 3062 History of Western Philosophy: Ancient Philosophy

b. Two of the following courses
   - PHH 3280 Medieval and Renaissance Philosophy
   - PHH 3420 Early Modern Philosophy
   - PHH 3442 Late Modern Philosophy

c. One of the following courses:
   - PHI 3100 Formal Logic (Strongly encouraged)
   - PHI 2101 Introduction to Formal Logic

d. One of the following courses
   - PHH 4670 Contemporary Ethical Theory
   - PHM 4340 Contemporary Political Philosophy
   - PHH 3280 Medieval and Renaissance Philosophy
   - PHH 3420 Early Modern Philosophy
   - PHH 3442 Late Modern Philosophy

f. Twelve credit hours of Philosophy electives, of which six must be at the 4000- or 5000-level

g. PHI 4938 Philosophy Capstone Seminar

Two additional stipulations apply:

1. No grade below C- in any required philosophy course or philosophy elective may count toward the major;
2. No more than six hours of Philosophy electives and three hours of required Philosophy coursework taken at institutions other than USF may count toward the major.

Requirements for the Minor in Philosophy (PHI)

A minor in philosophy consists of the completion of at least 18 credit hours, which includes the following courses or an approved substitute for one only:

a. PHH 3062 History of Western Philosophy: Ancient Philosophy

b. One of the following courses:
   - PHH 3280 Medieval and Renaissance Philosophy
   - PHH 3420 Early Modern Philosophy
   - PHH 3442 Late Modern Philosophy

c. PHI 4670 Contemporary Ethical Theory or PHP 3786 Existentialism or PHI 4320 Philosophy of Mind
d. PHI 2101 Introduction to Formal Logic or PHI 3404 Philosophy of Science

e. Six credit hours of Philosophy electives

No course taken on an “S/U” basis may be applied toward the minor.

Honors Program

The Honors Program in Philosophy allows superior students to pursue philosophical studies at a more advanced level than is customary in undergraduate Philosophy programs. Students in the Honors Program will be required to do independent research and to write and defend an undergraduate thesis.

Admission Criteria:
1. Students must already have declared a major in Philosophy.
2. Students must complete nine (9) hours in Philosophy at the 3000-level or higher (PHI 2101 may count toward the nine hours).
3. Students must have an overall grade point average of 3.0, and their grade point average in Philosophy coursework must be at least a 3.50.
4. Students who wish to be considered for the Honors Program must request to be nominated by a member of the faculty. Once nominated by a faculty member, a majority of the faculty who have taught the student must approve the student’s admission to the Honors Program.

Program Requirements:
In addition to completing the requirements for the Major in Philosophy, students must meet the following requirements:
1. Students cannot receive a grade lower than a “B” in any Philosophy course, and their GPA in Philosophy coursework must be at least 3.50 to remain in, or be graduated from, the Honors Program.
2. PHH 4440 Continental Philosophy or PHP 4784 Analytical Philosophy or PHP 3786 Existentialism or PHH 4700 American Philosophy
3. Students must write a senior thesis and undergo an oral examination on the thesis before a committee of two Philosophy faculty members. Students will register for three hours in directed study in Philosophy (PHI 4905) for work on their thesis. Students who are in the Honors College may use the same project to count for both Philosophy Honors and an Honors College thesis. In such cases, the student shall not register for directed study in Philosophy (PHI 4905) as part of completing the thesis.
4. Students must complete 36 credit hours in Philosophy.

Philosophy Faculty

- PHYSICS (PHY/PHS) (CIP = 40.0801) (Track 1 of 2)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

The Department of Physics offers undergraduate programs leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree, as well as Minors in Astronomy, Physics and Biomedical Physics. The B.S. program is intended for students planning to pursue graduate studies in physics or a closely related field. The B.A. program is designed for students who are not currently planning to attend physics graduate school and/or who want to pursue parallel studies in other fields such as mathematics, biology, chemistry, computer science, engineering, business, pre-med, pre-law, and teacher education.

At the graduate level, the Department of Physics offers three Master’s degree programs (Master of Science in Physics, Master of Science in Applied Physics and Dual-Master Degrees in Physics and Engineering Science) and a Ph.D. degree program in Applied Physics.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies.
of the university.

Students should complete the following prerequisite courses listed below at the lower level prior to entering the university. If these courses are not taken at the community college, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- CHM X045/X045L General Chemistry I (with lab) or CHM X040 & CHM X041 or CHM X045C
- CHM X046/X046L General Chemistry II (with lab) or CHM X046C
- MAC X311 Calculus I or MAC X281
- MAC X312 Calculus II or MAC X282
- MAC X313 Calculus III or MAC X283
- PHY X048/X048L General Physics I or PHY X048C
- PHY X049/X049L General Physics II or PHY X049C

Requirements for the Major in Physics (B.A.=PHY and B.S.=PHS)

**Physics Courses**

*For the B.A. in PHYSICS (PHY) (33 credit hours)*

- PHY 2048 General Physics I
- PHY 2048L General Physics I Lab
- PHY 2049 General Physics II
- PHY 2049L General Physics II Lab
- PHY 3101 Modern Physics
- PHZ 3113 Mathematical Methods in Physics
- PHY 3822L Intermediate Lab
- PHY 3221 Mechanics
- PHY 3323 Electricity and Magnetism I
- PHY 4823L Advanced Laboratory
- PHY 4930 Undergraduate Seminar
- PHY 4604 Introduction to Quantum Mechanics

Plus two (2) credit hours of Physics electives subject to approval of undergraduate advisor.

*For the B.S. in PHYSICS (47 credit hours)*

- PHY 2048 General Physics I
- PHY 2048L General Physics I Lab
- PHY 2049 General Physics II
- PHY 2049L General Physics II Lab
- PHY 3101 Modern Physics
- PHZ 3113 Mathematical Methods in Physics
- PHY 3822L Intermediate Lab
- PHY 3220 Mechanics
- PHY 3323 Electricity and Magnetism I
- PHY 4823L Advanced Laboratory
- PHY 4910 Undergraduate Research (2 hours recommended)
- PHY 4604 Introduction to Quantum Mechanics
- PHY 4930 Undergraduate Seminar
- PHY 4324 Electricity and Magnetism II
- PHY 4523 Statistical Physics
- PHY 4605 Quantum Mechanics II

Plus 5 credit hours of Physics electives subject to approval of undergraduate advisor.

**Required Supporting Courses in Natural Sciences and Mathematics** (for both B.A. and B.S.)

- CHM 2045 General Chemistry I
- CHM 2045L General Chemistry I Lab
- CHM 2046 General Chemistry II
- CHM 2046L General Chemistry II Lab
- MAC 2311 Calculus I or 2281 Engineering Calculus I
- MAC 2312 Calculus II or 2282 Engineering Calculus II
- MAC 2313 Calculus III or 2283 Engineering Calculus III

**Residency Requirement**

A minimum of 20 credit hours of physics courses in residency.

**Minimum Grade Requirement**
A minimum grade of "C" is required for all physics classes in the curriculum.

Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see College of Education, Department of Secondary Education.

Requirements for the Minor in Astronomy (AST)

The Astronomy Minor provides an in-depth overview of Astronomy from a mainly conceptual perspective. Any student wanting to learn more about the universe can earn the Minor in Astronomy regardless of their degree, including physics students.

A minor in Astronomy consists of 14 credit hours which includes:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2003</td>
<td>Astronomy of the Solar System</td>
</tr>
<tr>
<td>AST 2004</td>
<td>Stellar and Galactic Astronomy</td>
</tr>
<tr>
<td>AST 3033</td>
<td>Contemporary Thinking in Astronomy</td>
</tr>
<tr>
<td>AST 3044</td>
<td>Archaeoastronomy</td>
</tr>
</tbody>
</table>

A "C-" is the minimum acceptable grade for any course in the minor. A minimum "C" (2.0) average in the 14 credit hours is required for obtaining this minor.

None of the courses for the Astronomy Minor count towards a Physics B.A. or B.S., and consequently Physics students may earn a Minor in Astronomy along with their Physics B.A. or B.S. degree.

Requirements for the Minor in Physics (PHY)

A minor in Physics consists of 17 credit hours which include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 or 2053</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 2048L or 2053L</td>
<td>General Physics I Lab</td>
</tr>
<tr>
<td>PHY 2049 or 2054</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHY 2049L or 2054L</td>
<td>General Physics II Lab</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Modern Physics</td>
</tr>
</tbody>
</table>

A "C-" is the minimum acceptable grade for any course in the minor. A minimum "C" (2.0) average in the 17 credit hours is required for obtaining this minor.

Requirements for the Minor in Biomedical Physics (BPH)

This minor combines fundamental knowledge of physics acquired through the General Physics lectures and laboratories to applications that cover a wide spectrum of topics of interest to students pursuing a future clinical or research career in the areas of biology, medicine, biophysics, and other related areas.

A minor in Biomedical Physics consists of 16 credit hours which includes:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048 or 2053</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 2048L or 2053L</td>
<td>General Physics I Lab</td>
</tr>
<tr>
<td>PHY 2049 or 2054</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHY 2049L or 2054L</td>
<td>General Physics II Lab</td>
</tr>
<tr>
<td>PHZ 4702</td>
<td>Applications of Physics to Biology and Medicine I</td>
</tr>
<tr>
<td>PHZ 4703</td>
<td>Applications of Physics to Biology and Medicine II</td>
</tr>
</tbody>
</table>

A "C-" is the minimum acceptable grade for any course in the minor. A minimum "C" (2.0) average in the 16 credit hours is required for obtaining this minor.

Physics Faculty


• PSYCHOLOGY (PSY) (CIP = 42.0101)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Psychology is the scientific study of behavior and mental processes. Because of this focus, psychology is relevant to many other areas of study both inside and outside of the social and behavioral sciences. The undergraduate program
in Psychology offers the student a well-rounded liberal arts education. In addition, the program provides excellent training for qualified students who wish to pursue graduate work in such disciplines as Clinical, Cognitive and Neural Sciences or Industrial Psychology, Education, Gerontology, Counseling, Management, Medicine, Law, and other human service programs. The undergraduate major emphasizes the breadth of psychology while allowing the student some electives to pursue in depth a particular aspect of the field. Interested undergraduate majors may apply for admission to the Honors Program. For more information, please visit the Psychology Department’s website at http://psychology.usf.edu.

Requirements for the Major in Psychology (B.A.)

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Psychology is not a limited access program, but transfer students are encouraged to complete the following state-approved prerequisite courses at the lower level prior to entering the university. If these courses are not taken prior to transferring to USF, they must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- BSC X0XX General Biology course (or BSC X20X or ZOO X010)
- PSY X012 Introduction to Psychological Science
- PSY XXXX Any other lower-level Psychology course within the Psychology inventory (i.e., CLP, DEP, EAB, EXP, INP, PCO, PPE, and PSB prefixes).
- STA XXXX Any level Statistics course

Once declared a Psychology major, continuation in the major requires successful completion of (with at least a grade of C (not C-) or better):

- PSY 2012 Introduction to Psychological Science
- PSY 3204 Psychological Statistics (or another approved Statistics course)
- PSY 3213 Research Methods in Psychology

PSY 3213 is the prerequisite to all of the upper-level Psychology coursework with the exception of PSB 3444 Drugs and Behavior and GEY 4612 Psychology of Aging.

Majors must complete at least 34 credit hours of specified Psychology major coursework. A minimum grade of “C” or better must be attained in each course in the major, except for PSY 2012, PSY 3204 (or other qualifying statistics course) and PSY 3213, where a C or better is required. Although a C- is allowable for individual courses, a major GPA of 2.0 minimum is required for graduation.

Requirements for Psychology Majors

1. Introductory Psychology Requirements (10 credit hours):

- PSY 2012 Introduction to Psychological Science
- PSY 3204 Psychological Statistics or any approved statistics course
- PSY 3213 Research Methods in Psychology

After the introductory psychology requirements, students may choose among courses within the following categories to satisfy the remaining requirements.

2. One Methods Course: (3 credit hours):

- CLP 4433 Tests and Measurements
- PSY 4205 Experimental Design and Analysis

3. Two Courses in Cognitive and Neural Sciences (6 credit hours):

- EXP 4204C Perception
- EXP 4404 Psychology of Learning
- PSB 4004C Physiological Psychology
- EXP 4304 Motivation
- EXP 4680C Cognitive Psychology

4. Two Courses in Social/Applied Psychology (6 credit hours):

- CLP 4143 Abnormal Psychology
- INP 4004 Industrial Psychology
- SOP 4004 Social Psychology
- DEP 4053 Developmental Psychology
- PPE 4003 Personality

5. Psychology Elective Courses (9-12 credit hours):

If a student takes PSY 3204 to meet the statistics requirement, the student must take three Psychology elective courses (9 credit hours). However, if a student took a different statistics course, the student must take four Psychology elective courses (12 credit hours). The Psychology elective courses may be chosen from the courses listed in the above categories beyond the required
number for each group and/or any of the following:

- PSB 3444 Drugs and Behavior**
- GEY 4612 Psychology of Aging**
- CBH 4004 Comparative Psychology
- CLP 4414 Behavior Modification
- SOP 4514 Holocaust Soc. Prejudice**
- SOP 4330 HIV/AIDS
- PSY 4913 Directed Study (Instructor’s permission is required to take this course)
- PSY 4931 Select Topics (Generally this course require the instructor’s permission.)

**No prerequisite required.

Notes:

1. No more than a total of three (3) hours of PSY 4913 Directed Study or PSY 4970 Honors Thesis may count toward the major.
2. PSY 4931 Select Topics, may be repeated three (3) times for credit under three different topics.
3. DEP 3103 Child Psychology, SOP 3742 Psychology of Women, SYP 3000 Social Psychology and PSY 4932 Honors Seminar do not count toward the major requirements.

Minimum Requirements for the Majors in Psychology

Department of Psychology students are expected to complete their major coursework in a timely fashion. Students who receive a total of three (3) D and/or F grades in Psychology major coursework will no longer be eligible to continue in the Psychology major and will be required to change their major to a field outside of the Department of Psychology. Grade forgiveness will not exclude a D or F grade from counting for this rule.

Students who began as Psychology majors prior to Fall 2012 will be provided a phase-in period. Specifically, students who accumulated D and/or F grades in Psychology coursework at USF prior to Fall 2012 will be allowed to count any and all prior non-pass grades as one (1) D/F grade. Beginning Fall 2012, these students can still receive two (2) more D and/or F grades at USF before being required to choose a new major.

Once Psychology major students have received three (3) D and/or F grades in Psychology major coursework, they will be removed from all Department of Psychology courses for which they are currently registered, removed from the Psychology major and placed into a non-major code, and emailed the notice of changes to their @mail.usf.edu account. Students will then need to select a new major, declare the new major with the appropriate college, and register for courses which apply to their new major.

The D/F Rule application is final and effective from the beginning of Fall 2012. To be considered for an appeal, a student must meet at least one of the following criteria:

1. Can (and must) complete all degree or minor requirements within one semester, with no more than 10 hours of Psychology area requirements.
2. No longer have 3 D/F grades because the Academic Regulations Committee approved a late withdrawal/drop for one or more of the Psychology courses.
3. No longer have 3 D/F grades because of an instructor change of grade in one or more of the Psychology area courses.

To appeal, the student must send an email to psychad@usf.edu; in the Subject line indicate D/F Appeal and in the body include name, student’s U# and a complete explanation of the reason for the appeal. Appeals will be adjudicated by the Psychology Coordinator of Advising and students notified of results by email.

Coordinator of Advising decisions may be appealed in writing to the Psychology department’s Undergraduate Program Committee.

Requirements for the Minor in Psychology (PSY)

A minor in Psychology consists of a minimum of 18 credit hours. The purpose of the minor is to help students majoring in other disciplines to obtain an appropriate psychology background that will complement their work in their major.

Required courses (6 credit hours):
- PSY 2012 Introduction to Psychological Science
- PSY 3212 Research Methods or any Statistics course

Elective courses (12 credit hours):
Four upper-level psychology courses, except PSY 4913 and DEP 3103. Students minoring in Psychology must obtain a “C” or better in any college level statistics course or PSY 3213. A GPA of 2.0 or better in the minor is required for certification and students must complete at least eight credit hours toward the minor in residency at USF.
Psychology Honors Program

The purpose of the Honors Program is to provide a select group of qualified undergraduate Psychology majors an opportunity to undertake an intensive individualized research experience. The culmination of the Honors Program is the completion and defense of an honors thesis. Application for the program will take place during the first semester of the student’s junior year or, typically, prior to completion of 90 semester credits. Admission to the program is competitive and based on the student’s overall academic record, performance in psychology courses, a letter of recommendation from a member of the Department of Psychology’s faculty, agreement of a faculty member to serve as the thesis advisor, and strong performance in the Discovering Research in Psychology course.

Successful completion of the program requires:
• A GPA of 3.50 in all major coursework,
• An overall GPA of 3.25 at USF, and,
• Completion of 43 hours in Psychology including PSY 4932 Honors Seminar and PSY 4970 Honors Thesis.

Please see the Department of Psychology’s website (http://psychology.usf.edu) for details and the application form.

Psychology Faculty

School of Public Affairs

The faculty in the School of Public Affairs is dedicated to providing a vibrant center of learning for students seeking knowledge, values, and skills in public affairs. The education and technical skills offered to students are intended to build strong and sustained professional, managerial, and community-serving abilities as well as to prepare them for leadership roles in an increasingly global society. The faculty is also committed to research and development of applied and relevant knowledge of issues of public policy and public management at all levels of governance: local, state, and national. Quality education and scholarship provided by SPA will help students to achieve their professional goals and aspirations as well as serve the strategic mission and objectives of the University of South Florida.

Requirements for the Minor in Public Administration (PAN)

The minor in Public Administration consists of 15 credit hours.

Required Public Administration Courses (12 credit hours):
- PAD 3003 Introduction to Public Administration
- PAD 4204 Public Financial Administration
- PAD 4415 Personnel and Supervision for Today’s Organizations
- PAD 4712 Managing Information Resources in the Public Sector

Public Administration Electives (3 credit hours):
- PAD 4930 Selected Topics in Public Administration and Public Policy
- PAD 5605 Administrative Law and Regulation
- PAD 5807 Urban and Local Government Administration
- PAD 5159 Urban Policy Analysis
- PAD 5044 Environment of Public Administration
- PAD 5853 Comparative Public Administration
- PAD 5035 Issues in Public Administration and Public Policy
- PUP 4002 Public Policy

School of Public Affairs Faculty
School Director: J.L. Daly; Professors: P. Cromwell, K. Lersch, A. Njoh, J.E. Jreisat, J.E. Pynes; Associate Professors: J.L. Daly; E. Strom; Assistant Professors: S. Aikins, T. Cooper, E. Linkous, S. Neely.
In Religious Studies, students are exposed to a cross-cultural and multi-disciplinary study of the way in which both individuals and civilizations are deeply influenced by human religious experience. The goal is to enable the educated person to understand better the various ways in which religious values and institutions shape human behavior through a comparative study of religions and cultures. Such an education is invaluable for careers as diverse as journalism, law, medicine, business, as well as careers more directly related to the practice of religion. Majors in Religious Studies will also find courses designed to give them the methodological, theoretical and linguistic skills needed to go on to advanced graduate study in the field.

Requirements for the Major in Religious Studies (B.A.)

Recommended Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the A.A. degree at the community college. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the University’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

There are no State Mandated Common Prerequisites for this degree program.

Students must choose a total of 36 credit hours from Religious Studies courses. Transfer students may not apply more than 12 hours taken elsewhere toward the major at the University of South Florida. Only letter grades of at least C- or better will be counted toward the minimum of 24 credit hours taken at the University of South Florida for transfer students or 36 (for non-transfer students) credit hours necessary to complete the 36 credit hours required for the major.

Students declaring Religious Studies as a second major need to complete 30 credit hours. To do so they must make a written request to the Undergraduate Director at the time they declare the second major.

All majors must take:

1. One of the following courses (only one will count toward Religious Studies requirements):
   - REL 2300 Introduction to World Religions
   - REL 2306 Contemporary World Religions
   - REL 3308 World Religions

2. REL 3040 Introduction to Religious Studies

3. REL 3043 Introduction to Major Religious Texts

4. REL 4931 Seminar in Religion
   (Note: eligibility for REL 4931 is contingent on successful completion of REL 3040 and REL 3043.)

5. Completion 23-24 additional credit hours that satisfy the following requirements:
   - Take at least 18 credit hours at 3000- and/or 4000-level course, of which a minimum of 12 must be at the 4000-level.
   - Take at least one course from each of the areas:
     - Western Tradition (primarily Judaism, Christianity, and Islam):
       - REL 2210 Hebrew Bible/Old Testament
       - REL 2240 Introduction to the New Testament
       - REL 3120 Religion in America
       - REL 3131 New Religions in America
       - REL 3132 Witchcraft and Paganism in America
       - REL 3280 Biblical Archaeology
       - REL 3303 Comparative Religion: Judaism and Islam
       - REL 3363 Introduction to Islam
       - REL 3367 Islam in the Modern World
       - REL 3500 History of Christianity
       - REL 3561 Roman Catholicism
       - REL 3602 Classics of Judaism
       - REL 3607 Introduction to Judaism
       - REL 3611 History of Judaism
       - REL 3613 Modern Judaism
       - REL 4133 Mormonism in America
       - REL 4171 Contemporary Christian Ethics
       - REL 4215 Ancient Israel and the Development of the Hebrew Bible
       - REL 4216 Who Wrote the Bible
REL 4250  Jesus’ Life and Teachings  
REL 4252  New Testament II: Pauline Letters

Non-Western Tradition (religious traditions other than those Western tradition referenced above):
REL 3318  Introduction to Chinese Religion  
REL 3330  Religions of South Asia  
REL 3335  Gods and Goddesses of India  
REL 3340  Buddhism Truths and Paths  
REL 3380  Native American Religions  
REL 4333  Hindu Texts and Contexts

Issues and Approaches
REL 2166  Introduction to Religion and Ecology  
REL 3101  Religion and Popular Culture  
REL 3111  The Religious Quest in Contemporary Films  
REL 3114  Comedy, Tragedy and Religion  
REL 3116  Religion and Contemporary American Holidays  
REL 3117  Religion and Contemporary American Sports  
REL 3140  Religion, Culture and Society  
REL 3146  Women and Religion  
REL 3170  Religion, Ethics and Society Through Film  
REL 3191  Life After Death  
REL 3375  Issues in Caribbean Religions  
REL 3420  Contemporary Religious Thoughts  
REL 3444  Womanist Vision in Religion  
REL 3465  Religion and the Meaning of Life  
REL 3801  History of Writing  
REL 4113  The Hero and Religion  
REL 4177  Comparative Religious Ethics  
REL 4193  Comparative Mysticism  
REL 4291  Women and the Bible  
REL 4939  The Development of Religious Studies

6. Variable Credit Individualized Courses (Students are limited to six (credit) hours of the following courses):
REL 3900  Directed Readings  
REL 4910  Undergraduate Research

No more than three directed studies courses may be applied toward the major. Any student who wishes to take any type of directed study course, including REL 3900, must have the (written) approval of his/her instructor.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the major at USF. This will be decided as soon as the student declares a major in the Department of Religious Studies at USF.

Requirements for the Minor in Religious Studies (REL)

Students choose a total of 18 credit hours from Religious Studies courses. Transfer students may not apply more than 6 credit hours taken elsewhere toward the minor at USF. Only letter grades will be counted for coursework taken for the minor. Requests for transfer of credit must be made to the Undergraduate Director in writing when declaring a minor.

All minors must take:
REL 3040  Introduction to Religious Studies  
REL 3043  Introduction to Major Religious Texts

Religious Studies Electives:
\An additional 12 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

It is the prerogative of the Department of Religious Studies to determine whether courses taken at other universities may be applied toward the minor at USF. This will be decided as soon as the student declares a minor in the Department of Religious Studies at USF.

Requirements for the Honors Program in Religious Studies

The purpose of the Honors Program in Religious Studies is to provide outstanding undergraduates with advanced and individualized learning opportunities in Religious Studies and their areas of special interest in this field. In addition it will serve to facilitate more direct contact between students in the program and their faculty mentors. In this program, students who have demonstrated significant academic achievement will inquire into issues and questions in the study of religion at an advanced level under the guidance of faculty members with demonstrated expertise in their fields of
study and a strong commitment to teaching. Upon completion of the program, the student’s transcript will state that the student graduated with Honors in Religious Studies. Application to the program should be submitted during a student’s junior year. The Honors Committee will review all applicants before selecting no more than 10 individuals for the Honors Programs. Inductees will be notified of their admission to the Honors Program in the Spring term. Honors Program students are exempt from Sr. Seminar (REL 4931) contingent on their completion of the Honors Program. If students do not complete the Honors Program, they are required to complete Sr. Seminar in order to satisfy degree requirements.

Admissions Criteria:
1. Religious Studies majors who have completed at least 70 (and preferably less than 90) hours of course work with an overall GPA of at least 3.25.
2. Completion of REL 3040 Introduction to Religious Studies and at least 12 additional hours of course work in the department of Religious Studies with a GPA of at least 3.5 in the major.
3. A letter of recommendation from a Religious Studies faculty member who is familiar with the applicant’s work.
4. A statement from a Religious Studies faculty member expressing her/his willingness to serve as chair of the applicant’s thesis committee.
5. A short essay (2-3) pages by the applicant that includes the following:
   a. a statement of the applicant’s qualifications for the program,
   b. the applicant’s area(s) of special interest,
   c. an explanation of how the program will benefit from the applicant’s inclusion in the program, and
   d. the applicant’s post-graduate plans.

Requirements for Completion of the Departmental Honors:
1. Completion of the requirements for a Religious Studies major with a GPA of 3.5 or higher in the major.
2. Completion of a USF degree with an overall GPA of 3.25 or higher.
3. Completion of five (5) credit hours of “Honors Seminar.” Honors students will take the seminar for three credit hours in the fall and two credit hours in the spring.
4. Completion of five (5) credit hours of Thesis/Directed Research for two credit hours in the fall and three credit hours in the spring. Honors students must also complete and present their Honors Thesis in the second semester of their senior year. Students who do not complete this requirement may, upon the recommendation of their major instructor and the Department Honors Program Coordinator, be allowed to continue in special circumstances.

Required Courses for the Honors Program:
- REL 4911 Undergraduate Research (Honors Thesis) (five credit hours)
- REL 4937 Selected Topics (Honors Seminar)
- REL 4938 Selected Topics (Honors Seminar)

Religious Studies Faculty
Chairperson: T. Williams; Associate Chair: D. deChant; Distinguished University Professor: J.F. Strange; Professors: D. Jorgensen, M.G. Mitchell, T. Williams; Associate Professor: W. Zhang; Emeritus Professors: D.J. Fasching, S. Garcia, S. Mandell; Assistant Professors: M. DeJonge, C. Fisher; Instructors: D. deChant, P. Schneider; W. Schanbacher; Other Faculty: J. Cavendish, M. Decker.

• SOCIOLOGY (SOC) (CIP = 45.1101) (Track 2 of 2)

TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Sociology is the study of social life and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies. Because all human behavior is social, the subject matter of sociology ranges from intimate families to hostile mobs; from crime to religion; from the divisions of race, gender, and social class to the shared beliefs of a common culture; from the sociology of work to the sociology of emotions.

The Sociology major is designed to provide students with a broad liberal arts education and a greater understanding and insight into the social systems and processes that bear upon everyday lives. Opportunities for students with Bachelor’s degrees in Sociology are quite varied. Some go on to work for human service agencies; others work in personnel, criminal justice, and urban planning; others enter graduate programs in sociology, education, law, medicine, or social work. Toward these ends, all students are encouraged to become skilled in the use of computers and libraries.

Requirements for the Major in Sociology (B.A.)
Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable
credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

SYA XXXX or SYD XXX or SYG XXX, SYO XXX or SYP XXX  6 credit hours
A grade of “C-” is the minimum acceptable grade.

Specific Coursework in the Sociology Major

The major consists of a minimum of 36 credit hours of Sociology coursework plus STA 2122 Social Science Statistics or its equivalent. All university-wide regulations regarding transfer credits and credits needed for graduation apply. At least 27 of the 36 hours of coursework in Sociology must be USF-Tampa credits. Only courses in which a grade of “C-” or better is attained will count toward the minimum hours.

The minimum of 36 credit hours in Sociology must include the following four core courses (12 hours):
- SYG 2000 Introduction to Sociology
- SYA 3110 Classical Theory
- SYA 3300 Research Methods (Prerequisite: STA 2122 Social Science Statistics or its equivalent)
- SYA 4935 Senior Seminar

The remaining 24 hours of Sociology coursework may be comprised of any upper-level courses offered by the Sociology department. In addition, SYG 2010 Individual Research and SYA 4949, Sociological Internship, may count toward the 24 hours of electives. No more than three hours each of SYA 4910 Individual Research and SYA 4949, Sociological Internship, may count toward the 24 hours of electives.

Areas of Concentration

Sociology majors may choose to complete an optional area of concentration in either “Inequality and Social Justice” or “Identity and Community” by completing one required course and three elective courses (all with a grade of C- or better) listed within the area selected. In some cases, it may be possible to complete both areas of concentration, however, students may count a particular course as an elective for only one area of concentration.

Inequality and Social Justice (ISJ)

Required Course:  (3 credit hours)
- SYP 4111 Identity and Community

Electives:  (9 credit hours)
- SYA 4930 Topics in Sociology
- SYD 3700 Racial and Ethnic Relations
- SYD 4512 Sustainable Consumption
- SYD 4800 Gender and Society
- SYO 3530 Social Inequality in a Global Society
- SYP 3060 Sociology of Sexualities
- SYO 4204 Religion & Immigration
- SYP 4400 Medical Sociology
- SYP 4430 Disability and Society
- SYP 4572 Hidden Structures of Social Life
- SYP 3562 Family Violence
- SYP 4513 Elite Deviance
- SYD 4238 Immigrants to America
- SYP 3004 Constructing Social Problems
- SYO 3120 Sociology of Families
- SYA 4121 Queer Theory
- SYG 3011 Social Problems Through Film
- SYP 4651 Gender, Sport and the Body
- SYO 4250 Sociology of Education
- SYA 4304 Sociological Research Experience
- SYP 4910 Independent Research
- SYP 4949 Sociological Internship

Identity and Community (IDC)

Required Course:  (3 credit hours)
- SYP 4111 Identity and Community

Electives:  (9 credit hours)
- SYP 4763 Childhood and Youth
SYA 3310 Qualitative Inquiry
SYO 3120 Sociology of Families
SYA 4930 Topics in Sociology
SYP 3562 Family Violence
SYD 3700 Racial and Ethnic Relations
SYP 4012 Emotions in Society
SYA 4121 Queer Theory
SYD 4238 Immigrants to America
SYO 3200 Sociology of Religion
SYO 4204 Religion & Immigration
SYP 4650 Sport in Society
SYP 4675 Animals & Society
SYD 4410 Urban Sociology
SYD 4411 Urban Life
SYP 4420 Consumer Culture
SYO 3460 Sociology of the Media
SYO 4573 Social Networks
SYG 3235 Latina/o Lives
SYA 4304 Sociological Research Experience
SYA 4910 Independent Research
SYA 4949 Sociological Internship

Students are encouraged to make an appointment to talk with the Sociology Department Undergraduate Advisor when they have questions about major requirements or about which electives offered each semester would best meet their educational and career goals.

Requirements for the Minor in Sociology (SOC)

A minor in Sociology consists of a minimum of 18 credit hours in Sociology, at least 12 of which must be USF-Tampa credits. Minors must take:

- SYG 2000 Introduction to Sociology
- SYA 3110 Classical Theory

No more than three hours of SYA 4910 “Individual Research” and no more than three hours of SYA 4949 Sociological Internship may count toward the 18 hour minimum.

Only courses in which a grade of “C-” or better is attained will count toward the minimum hours.

While students do not declare a Sociology minor until application for graduation, they are encouraged to make an appointment with the Sociology department undergraduate advisor if they wish to discuss which Sociology electives offered each semester would best meet their educational and career goals.

Honors Program in Sociology

Through the Undergraduate Honors Program, the Department of Sociology provides its outstanding students with opportunities to work closely with faculty and graduate students with shared interests in specific areas of social experience. Students accepted into the program select a faculty mentor with expertise in the area of study of interest to the student. Under the supervision of this mentor, honors students conduct sociological research in their area of interest culminating in the preparation of an honors thesis. Students apply to the Honors Program in the Spring Semester during their junior year for admission for the following fall. Admission to the program is competitive. Meeting minimum requirements does not guarantee admission.

Minimum Eligibility Requirements:
1. Junior standing.
2. 12 semester hours of Sociology course work with a major GPA of 3.0 by the end of the semester in which application is made.
3. Overall USF GPA of 3.0 or higher.
4. Selection and approval of faculty mentor.

Completion Requirements:
1. Completion of all requirements for the major.
2. Completion of at least one upper-level elective relevant to the thesis (course must be approved by faculty mentor).
3. USF overall and major GPA of at least 3.0.
4. Successful completion of the Honors Seminar.

Applications for the Undergraduate Honors Program in Sociology are available in the Sociology department (CPR 209).
Sociology Faculty

- WOMEN’S AND GENDER STUDIES (WGS) (CIP = 05.0207)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Women’s and Gender Studies at the University of South Florida is a global, interdisciplinary, and activist field of study that features and critically examines women’s experiences and issues across historical, cultural, racial, class, and other differences. The WGS major is designed to provide students with 1) skills in critical thinking and independent inquiry as part of a broad liberal arts education; 2) knowledge of the institutions, discourses, and processes that bear upon gender’s meanings and enactments locally and globally; and 3) the tools to engage, critique, celebrate, and transform everyday lives of women and men.

The department offers a major and a minor in Women’s and Gender Studies. Students are encouraged to pursue Women’s and Gender Studies as a second major, complementing many undergraduate majors across the College of Arts and Sciences as well as majors in the Colleges of Education, Business, Public Health, and Community and Behavioral Sciences.

Requirements for the Major in Women’s and Gender Studies
Prerequisites (Recommended Prerequisites) for Students Transferring from a Florida College System Institution

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

No State Mandated Common Prerequisites are required for this degree program.

Upper-level Coursework for Women’s and Gender Studies Majors

Students must choose a total of 36 credit hours from Women’s and Gender Studies courses. Transfer students may not apply more than 12 hours taken elsewhere toward the major at the University of South Florida. Only letter grades of at least C- will be counted credit hours required for the major.

Students taking Women’s and Gender Studies as a second major need to complete 30 credit hours. To do so, they must make a written request to the Undergraduate Director at the time they declare Women’s and Gender Studies as a second major. Courses taken in the first major may not count toward the 30 hours in Women’s and Gender Studies as a second major.

I. Required Core Courses (15 hours)
WST 3015 Introduction to Women’s Studies
WST 3311 Issues in Feminism
WST 4002 Feminist Research Methods
WST 4522 Classics in Feminist Theory or WST 4561 Contemporary Feminist Theory
WST 4935 Capstone/Senior Project

II. The remaining 21 hours of Women’s & Gender Studies coursework may be comprised of any courses offered by the Women’s & Gender Studies department, including approved cross-listed courses. No more than twelve hours of WST 4930 may count toward the 36 hour minimum.

Students electing to major, double major or minor in Women’s and Gender Studies should consult the undergraduate advisor for timely scheduling of classes.

Requirements for the Minor in Women’s and Gender Studies (WGS)

The minor in Women’s and Gender Studies is available to students pursuing any other major at USF. The minor in Women’s and Gender Studies requires a minimum of 18 hours of departmental coursework, including:
WST 3015 Introduction to Women’s Studies
One other WST core course
12 hours of elective hours
The other 12 hours may be selected from among departmental offerings and must include a minimum of six (6) hours at the 4000-level or higher.

A grade of “C-” is required for a departmental course to count toward a Women’s and Gender Studies minor. Courses may not be taken S/U, where a grade option exists.

Students may petition the undergraduate advisor to focus their minor on a specific area within Women’s and Gender Studies, such as sexualities, women’s health or social justice.

Women’s and Gender Studies Faculty
Chairperson: E. Bell; Professor: D. Price-Herndli; Associate Professors: K. Golombisky, M. Hughes Miller; Assistant Professor: D. Rubin; Professor Emeriti: C. DiPalma, L.L. McAlister, M. Myerson, J. Snook; Instructors: J. Turner, M. Wendland.

Department of World Languages
The Department of World Languages offers students several undergraduate degrees. Although a baccalaureate degree is not offered in Linguistics, a minor is available to students. Comprehensive information about these programs is listed below.

Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution
Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

To complete a major in Classics, students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at a Florida College System institution, it must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade.

- CLASSICS-LATIN/GREEK (CLS) (CIP = 16.1200)
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

Classics at USF is a language-based, interdisciplinary humanities field. We provide instruction in the Greek and Latin languages, and translation courses that focus on the study of Greek and Roman civilization, literature, mythology, philosophy, and religion.

Comprised of 5 faculty members who specialize in widely diverse aspects of the Greek and Roman world (such as Greek tragedy and philosophy, Roman epic and historiography) our department combines the intimacy of a small liberal arts college with the wide-ranging educational interests of a large state university.

Our majors are of particular interest to students who wish to teach the languages, to those who plan graduate study in a humanistic discipline, and to those who want an undergraduate major that focuses on the ancient civilizations that are the cornerstone of the Western Tradition.

Requirements for the Major in Classics (B.A.)
- General Requirements for the Major
  The Classics Major requires 10 courses and 30 hours, which are divided between language and civilization requirements.
- Language requirements
  Students are required to take at least four (4) successive courses in a single language, Latin or Ancient Greek (LAT, LNW, GRE, GRW).
- Civilization Requirements
  Students are required to take six (6) upper-level civilization courses, including the core courses offered by Classics: Greek Civilization, Roman Civilization, Classical Mythology, Greek Literature in Translation and Roman Civilization in Translation.

The sixth remaining class for the major can also be fulfilled through appropriate courses offered by the departments of: History, Humanities and Cultural Studies, Religious Studies and Philosophy, but only with the approval of an advisor.

All students who wish to enroll in the Classics Major must schedule an appointment with an advisor.
Requirements for the Minor in Classics (CLS)

The Classics Minor requires 5 courses and 15 hours, which are divided between language and civilization requirements.

- **Language requirements**
  Students are required to take at least two (2) successive courses in a single language, Latin or Ancient Greek (LAT, LNW, GRE, GRW).

- **Civilization Requirements**
  Students are required to take three (3) of the core courses offered by Classics: Greek Civilization, Roman Civilization, Classical Mythology, Greek Literature in Translation and Roman Civilization in Translation

**Honors Program**

To graduate with Honors in Classics, the successful candidate must apply in her/his junior year and complete special requirements during the senior year.

To apply, the candidate must schedule an appointment with an advisor and a thesis director chosen by the candidate.

**Admissions Criteria**

1. Senior status, with a departmental and overall GPA of 3.50.
2. Completion of the core courses in Classics.
3. An appropriate project accepted by a faculty member of Classics who agrees to serve as thesis director.

**Requirements for Completion of Departmental Honors:**

1. The candidate must maintain a departmental and overall GPA of 3.50.
2. The candidate must pass two (2) sight translations in either Greek or Latin (passages to be determined by the thesis director and the candidate.)
3. The candidate must turn in the completed thesis (thirty to fifty pages, at the discretion of the thesis director) before April of the senior year, and defend the thesis before a committee of at least three faculty members by May of the senior year. (Committee members to be chosen by the candidate and thesis director.)

**Dis dismissal Procedures**

The student must maintain a Departmental GPA of 3.50, must submit the Honors Thesis on time and must pass the scheduled Departmental Honors Examination.

**INTERDISCIPLINARY CLASSICAL CIVILIZATIONS (ICC) (CIP = 16.1200)**

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

**Requirements for the Major in Interdisciplinary Classical Civilizations (B.A.)**

Interdisciplinary Classical Civilizations is a broad-based area study encompassing the literature, history, linguistics, art and archaeology, philosophy, and religion of Greece, Rome and the Near East from pre-history to late antiquity. For centuries, the study of these vibrant societies has been recognized as essential to a proper understanding of our own culture and, recently, there has been a renewed recognition of the skills such study develops.

All students wishing to enroll in the ICC major must schedule an appointment with the Coordinator of Interdisciplinary Classical Civilizations in order to develop a program of study. Students will be urged to fulfill their General Education and University Exit Requirements, whenever possible, from courses taught within the Classical Civilizations Program. Courses that are applied toward the Gen. Ed. or “Core” Requirements cannot be utilized more than once.

Language Requirement: To complete a major in Interdisciplinary Classical Civilizations, students should demonstrate proficiency at the intermediate level within the target ancient language. This may be accomplished by completing 6-12 hours of coursework or by demonstrated competency at the intermediate level through examination. If this coursework (or associated competency) is not completed at the community college, it must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade. If the target language is Latin or Greek, this would mean the completion of either LAT 2220 or GRE 2220 at USF, or the demonstration of a similar level of proficiency by examination.

The ICC Major can be fulfilled in one of two ways:

A. The ICC Major (33 hours minimum) is intended for students who wish to become familiar with aspects of the Classical Heritage of Western Civilization.

B. The ICC Major with Honors (39 hours minimum) is intended for students who wish to continue their studies beyond the undergraduate level and includes a thesis (3 hours). The student must also maintain a 3.50 GPA within the major and a 3.30 overall GPA.
A. Requirements of the ICC Major (33 hours minimum):
1. 12 hours from the ICC “Core”:
   - CLA 3103 Greek Civilization or CLT 3101 Greek Literature in Translation
   - CLA 3123 Roman Civilization or CLT 3102 Roman Literature in Translation
   - HIS 3930 Special Topics or REL 3280 Biblical Archaeology
   - CLT 3370 Classical Mythology
2. 18 hours (minimum) from the ICC “Fields”:
   - Two (2) courses from an approved list of 2000- to 3000-level courses in Anthropology, Classics, History, Philosophy or Religious Studies.
   - Four (4) courses from an approved list of 3000- to 4000-level courses in Anthropology, Classics, History, Philosophy or Religious Studies.
3. Three to four hours from an approved list of 4000-level Exit Requirement courses in Anthropology, Classics, History, Philosophy or Religious Studies.

B. Requirements of the ICC Major with Honors (39 hours minimum):
1. 12 hours from the ICC “Core”:
   - CLA 3103 Greek Civilization or CLT 3101 Greek Literature in Translation
   - CLA 3123 Roman Civilization or CLT 3102 Roman Literature in Translation
   - HIS 3930 Special Topics or REL 3280 Biblical Archaeology
   - CLT 3370 Classical Mythology
2. 12 hours beyond the B.A. FLEX Language Requirement in either Greek or Latin: Competence in one or two ancient languages. Courses must be taken with the approval of the Coordinator.
3. 12-16 hours (4 courses) from the Major Field Requirements:
   - Major Fields are currently defined in Ancient History, Philosophy and Religious Studies. The student will select four courses in the Major Field area with the approval of the Coordinator. The student must take at least one exit-level course in the Major Field he/she chooses.
4. 3 hours of Faculty Mentored Research:
   - The student will complete a research project under the direction of a faculty committee composed of a faculty mentor and at least two additional faculty members. The project is intended to produce a substantial research paper that can serve as a writing sample when the student applies for advanced graduate study.
5. Maintenance of a 3.50 GPA within the major and a 3.30 overall GPA.

Requirements for the Minor in Interdisciplinary Classical Civilizations (ICC)
The ICC Minor (15 hours minimum) can be fulfilled in one of two ways:

A. Courses are divided by level, with the “field” of study unrestricted:
1. Two courses (6 hours) from the ICC Minor “Core”:
   - CLA 3103 Greek Civilization or CLT 3101 Greek Literature in Translation
   - CLA 3123 Roman Civilization or CLT 3102 Roman Literature in Translation
   - CLT 3370 Classical Mythology
2. Three to four credit hours from 2000- or 3000-level courses in Anthropology, History, Philosophy and Religious Studies, selected with the guidance and approval of the Coordinator.
3. Six to eight credit hours from 3000- or 4000-level courses in Anthropology, History, Philosophy and Religious Studies, selected with the guidance and approval of the Coordinator.

B. Courses are organized along an interdisciplinary principle:
1. Two courses (6 hours) from the ICC Minor “Core”:
   - CLA 3103 Greek Civilization or CLT 3101 Greek Literature in Translation
   - CLA 3123 Roman Civilization or CLT 3102 Roman Literature in Translation
   - CLT 3370 Classical Mythology
2. Nine to twelve credit hours from the Interdisciplinary Requirements.
   - The student will complete three 3-4 credit courses, one each from three of the following four fields:
     1. Anthropology
     2. History
     3. Philosophy
   - Courses are chosen with the guidance and approval of the Coordinator from the list certified for the major.

MODERN LANGUAGES (FRE/GMS/GRK/ITA/RUS/SPA)
Foreign Language major programs are designed to meet the needs of students who desire competency in a language and an expanded understanding of its culture and literature. They are of particular interest to students who wish to teach languages, those who plan to further their studies in graduate school, and those who seek careers in various types of foreign or foreign-related employment, either in government or business.
Major programs leading to the Bachelor of Arts degree are offered in French, German, Italian, Russian, and Spanish. All major programs in foreign language require a total of 32 hours of coursework above the intermediate level. French and Spanish majors with an International Studies and Business Concentration require a total of 63 hours of coursework distributed in the three areas.

The following languages may also be taken as a minor: Chinese, French, German, Italian, Latin, Modern Greek, Russian, and Spanish. The minor consists of 15-18 hours of course work in French and Spanish above the second-year level, and 16 hours in the other languages except for the less commonly taught languages. In order to begin taking courses for the minor, the student will have satisfactorily completed the intermediate level or have equivalent proficiency in the foreign language. Instruction in less commonly taught languages may be available upon sufficient demand.

**Prerequisites (State Mandated Common Prerequisites) for Students Transferring from a Florida College System Institution:**

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. If students transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the students must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

To complete a major in Classics, students should demonstrate proficiency at the intermediate level within the target language. This may be accomplished by completing 6-12 hours within the language or by demonstrated competency at the intermediate level. If this coursework (or associated competency) is not completed at a Florida College System institution, it must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade.

### French (FRE) (CIP = 16.0901)

**TOTAL PROGRAM HOURS = 120 CREDIT HOURS**

**Required courses for the major (15 credit hours):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 2240</td>
<td>Conversation II</td>
</tr>
<tr>
<td>FRE 3420</td>
<td>Composition I</td>
</tr>
<tr>
<td>FRE 3234</td>
<td>Reading in French Literature and Culture</td>
</tr>
<tr>
<td>FRW 4100</td>
<td>The French Novel</td>
</tr>
<tr>
<td>FRW 4101</td>
<td>Introduction to French Drama and Poetry</td>
</tr>
</tbody>
</table>

**Supporting courses required for the major (17 credit hours):**

18 hours in 3000-, 4000-, or 5000-level courses planned with an advisor.

### French (FRE) with an International Studies and Business Concentration (IFB)

**Required courses in French for the major (15 credit hours):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 2240</td>
<td>Conversation II</td>
</tr>
<tr>
<td>FRE 3420</td>
<td>Composition I</td>
</tr>
<tr>
<td>FRE 3234</td>
<td>Reading in French Literature and Culture</td>
</tr>
<tr>
<td>FRW 4100</td>
<td>The French Novel</td>
</tr>
<tr>
<td>FRW 4101</td>
<td>Introduction to French Drama and Poetry</td>
</tr>
</tbody>
</table>

**Supporting courses in French required for the major (9 credit hours):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 4421</td>
<td>Composition II</td>
</tr>
<tr>
<td>FRE 4700</td>
<td>French Linguistics</td>
</tr>
<tr>
<td>FRE 4930</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>FRE 5425</td>
<td>Advanced Written Expression</td>
</tr>
<tr>
<td>FRE 5566</td>
<td>Contemporary France</td>
</tr>
</tbody>
</table>

### Required courses in International Studies (9 credit hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 2002</td>
<td>Introduction to Comparative Politics</td>
</tr>
<tr>
<td>CPO 4930</td>
<td>Comparative Government &amp; Politics of Select Areas</td>
</tr>
<tr>
<td>EUS 3000</td>
<td>Europe</td>
</tr>
</tbody>
</table>

### Required courses in Business (18 credit hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3074</td>
<td>Managerial Accounting for Non-Business Majors</td>
</tr>
<tr>
<td>ECO 1000</td>
<td>Basic Economics</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Principles of Finance</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Principles of Management</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Basic Marketing</td>
</tr>
<tr>
<td>XXX XXXX</td>
<td>Capstone Course</td>
</tr>
</tbody>
</table>

### Required overseas study courses and/or area studies courses (6 credit hours):

Choose any two (2) upper-level International Business courses.

---

**170**
Select six (6) overseas study credit hours or three (3) credit hours overseas study plus three (3) credit hours area studies courses planned with an advisor.

• **German Studies Major (GMS) (CIP = 16.0501)**
  
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

  **Requirements for the major (11 credit hours):**
  - Select nine (9) hours of 3000- or 4000-level coursework in German (taught in German)
  - GEW 4900 Directed Study or FLE 4316 Language Principles of Acquisition

  **Supporting courses required for the major (21 credit hours):**
  - Select 21 hours in 2000-, 3000- or 4000-level courses with coursework in German, including approved courses in related disciplines, planned with an advisor.

• **Italian (ITA) (CIP = 16.0902)**
  
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

  **Required courses for the major (15 credit hours):**
  - ITA 2240 Italian Conversation I or ITA 2241 Italian Conversation II
  - ITA 3420 Composition
  - ITT 3504 Italian Culture Through Film
  - ITW 4100 Survey of Italian Literature I
  - ITW 4101 Survey of Italian Literature II or ITT 4505 Italy and the Italian-American Experience

  **Supporting courses required for the major:**
  - Select 17 hours in 3000- or 4000-level courses, including approved courses in related disciplines, planned with an advisor.

• **Russian (RUS) (CIP = 16.0402)**
  
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

  **Required courses for the major (14 credit hours):**
  - RUS 3240 Conversation I
  - RUS 4241 Conversation II
  - RUT 3110 Nineteenth-Century Russian Literature in English
  - RUT 3111 Twentieth-Century Russian Literature in English

  **Supporting courses required for the major (18 credit hours):**
  - Select 18 hours in 3000- or 4000-level courses planned with an advisor.

• **Spanish (SPA) (CIP = 16.0905)**
  
  TOTAL PROGRAM HOURS = 120 CREDIT HOURS

  **Required courses for the major (21 credit hours):**
  - Language (6 hours)
    - *SPN 3300 Advanced Grammar and Composition*
    - SPN 4301 Expository Writing
  - Literature (9 hours)
    - SPW 3030 Introduction to Hispanic Literary Studies
    - SPW 4100 Survey of Spanish Literature I or SPW 4101 Survey of Spanish Literature II
    - SPW 4130 Survey of Spanish-American Literature I or SPW 4131 Survey of Spanish-American Literature II
  - Civilization (6 hours)
    - SPN 3500 Spanish Civilization
    - SPN 3520 Spanish-American Civilization

  **Supporting courses required for the major (12 credit hours):**
  - Select 12 hours in 3000-, 4000- or 5000-level SPN or SPW courses and may include one course (three-credit hours) of Spanish/Spanish American Literature in translation. Two of these electives must be at the 4000-level. All electives must be approved by a department advisor prior to enrollment.
  - *SPN 3300 Advanced Spanish Grammar and Composition may be substituted for native speakers with SPN 2340 Advanced Spanish for Native Speakers I or SPN 2341 Advanced Spanish for Native Speakers II.

**Spanish (SPA) with an International Studies and Business Concentration (ISB)**

**Required courses in Spanish for the major (18 credit hours):**
- SPN 3300 Advanced Spanish Grammar and Composition
- SPN 3440 Spanish for Business and International Trade I
SPN 3441 Spanish for Business and International Trade II
*SPN 4301 Expository Writing
SPN 4410 Advanced Conversation
SPN 3500 Spanish Civilization
SPN 3520 Spanish-American Civilization

*SPN 3300 Advanced Spanish Grammar and Composition is the prerequisite SPN 4301 Expository Writing. SPN 3300 may be substituted for native speakers with SPN 2340 Advanced Spanish for Native Speakers I or SPN 2341 Advanced Spanish for Native Speakers II.

**Supporting courses in Spanish required for the major (6 credit hours):**
- SPN 2340 Advanced Spanish for Native Speakers I
- SPN 2341 Advanced Spanish for Native Speakers II
- SPN 4700 Spanish Linguistics
- SPW 3030 Introduction to Hispanic Literary Studies
- SPW 4100 Survey of Spanish Literature I
- SPW 4101 Survey of Spanish Literature II
- SPW 4130 Survey of Spanish-American Literature I
- SPW 4131 Survey of Spanish-American Literature II
- SPW XXX Any SPW Course

Required courses in International Studies (9 credit hours):
- CPO 2002 Introduction to Comparative Politics
- CPO 4930 Comparative Government & Politics of Select Areas
- INR 1015 World Perspective

Required courses in Business (18 credit hours):
- ACG 3074 Managerial Accounting for Non-Business Majors
- ECO 1000 Basic Economics
- FIN 3403 Principles of Finance
- MAN 3025 Principles of Management
- MAR 3023 Basic Marketing
- XXX XXXX A Capstone Course

Supporting courses in Business (6 credit hours):
- Choose any two (2) upper-level International Business courses.

Required overseas study courses and/or area studies courses (6 credit hours):
- Select six (6) overseas study credit hours or three (3) credit hours overseas study plus three (3) credit hours area studies courses planned with an advisor.

**TRACK IN INTERNATIONAL STUDIES (LATIN AMERICA) WITH A LANGUAGE (SPANISH) & BUSINESS CONCENTRATION**

Required International Studies courses (15 credit hours):
- CPO 2002 Introduction to Comparative Politics
- CPO 4930 Comparative Government & Politics of Select Areas
- INR 1015 World Perspective
- INR 2002 Introduction to International Relations
- INR 3038 International Wealth and Power

International Studies electives (3 credit hours)
- INR 3018 World Ideologies
- INR 3202 International Human Rights
- POT 4109 Politics and Literature

Required courses in Spanish (12 credit hours):
- SPN 3440 Spanish for Business and International Trade I
- SPN 3500 Spanish Civilization
- SPN 3520 Spanish-American Civilization
- SPN 4301 Expository Writing

Required courses in Business (18 credit hours):
- ACG 3074 Managerial Accounting for Non-Business Majors
- ECO 1000 Basic Economics
- FIN 3403 Principles of Finance
- MAN 3025 Principles of Management
- MAR 3023 Basic Marketing
- XXX XXXX A Capstone Course

Supporting courses in Business (6 credit hours):
Choose any two (2) upper-level International Business courses.

**Required overseas study courses and/or area studies courses (9 credit hours):**
Select three (3) overseas study credit hours or three (3) credit hours overseas study plus six (6) credit hours area studies courses planned with an advisor (2 courses from International Studies or other departments).

**Requirements for the Minor in Chinese Language (CHN)**

The Minor in Chinese Language is designed for majors in any field who wish to demonstrate in-depth knowledge of Chinese language, culture and society. The minor in Chinese is designed to equip students with a foundation in Chinese language and culture necessary to successfully interact with Chinese people.

A total of 18 semester hours is required for the minor in Chinese Language. Of those 18 hours, 14 hours are to be fulfilled with required core courses in language, culture, and literature. An additional 4 hours are to be fulfilled with electives selected in consultation with a Chinese faculty advisor. A minimum of 10 of the 18 hours required for the minor must be completed in residence at USF.

**Required courses for the minor (14 credit hours):**
- CHI 3241 Advanced Chinese Conversation I
- CHI 3242 Advanced Chinese Conversation II
- CHT 3500 Introduction to Chinese Culture
- CHT 3110 Traditional Chinese Literature in Translation or CHT 3124 Modern Chinese Literature in Translation

**Supporting courses required for the minor (4 credit hours):**
- CHI 4905 Directed Study or
- CHI 4930 Selected Topics

**Requirements for the Minor in French (FRE)**

**Required courses for the minor (6 credit hours):**
- FRE 2240 Conversation II
- FRE 3420 Composition I

**Supporting courses required for the minor (9 credit hours):**
Select 9 hours in 3000-, 4000-, or 5000-level courses, except courses in translation.

**Requirements for the Minor in German Studies (GMS)**

**Required courses for the minor (6 credit hours):**
- Select 6 hours of 3000- or 4000-level GEW or GER coursework in German (taught in German).

**Supporting courses required for the minor (9 credit hours):**
- 9 hours of 2000-, 3000-, or 4000-level GER, GET or GEW coursework in German.

**Italian Minor (ITA)**

**Required courses for the minor (6 credit hours):**
- ITA 2240 Italian Conversation I or ITA 2241 Italian Conversation II
- ITA 3420 Composition

**Supporting courses required for the minor (9 credit hours):**
Select 9 hours in 3000- or 4000 level-courses except courses in translation.

**Requirements for the Minor in Modern Greek (GRK)**

**Required courses for the minor (16 credit hours):**
- GRK 2220 Modern Greek III
- GRK 2221 Modern Greek IV
- GRK 4905 Directed Study
- GRW 5934 Selected Topics

**Requirements for the Minor in Russian (RUS)**

**Required courses for the minor (8 credit hours):**
- RUS 3240 Conversation I
- RUS 4241 Conversation II

**Supporting courses required for the minor (7 credit hours):**
Select seven (7) hours in 3000- or 4000-level courses.
Requirements for the Minor in Spanish (SPA)

Required courses for the minor (18 credit hours):
* SPN 3300 Advanced Grammar and Composition
* SPN 4301 Expository Writing

Supporting courses required for the minor (12 hours):
Select 12 hours in 3000-, 4000- or 5000-level SPN or SPW courses, may include one course (three credit hours) of Spanish/Spanish American Literature in translation. Two of these courses must be at the 4000-level. All electives must be approved by a department advisor prior to enrollment.

*SPN 3300 Advanced Spanish Grammar and Composition may be substituted for native speakers with SPN 2340 Advanced Spanish for Native Speakers I or SPN 2341 Advanced Spanish for Native Speakers II.

World Languages Faculty
STUDENT ORGANIZATIONS IN THE COLLEGE OF ARTS AND SCIENCES

Advertising Club – A platform for all students who aspire to be successful in the multifaceted world of strategic marketing communications with a special emphasis on the advertising business. Members are connected with the Tampa Bay advertising community through professional guest speakers, AD2 Tampa Bay, creative workshops, internship/job opportunities and industry events. It provides members first-hand advertising experience while aiding with the communication needs of the university and local community. Through all of this, the USF Ad Club promotes professional growth and provides members with the content and connections to make it in the evolving creative and business world today. For more information, contact Hal Vincent at hvincent@usf.edu.

Africana Studies Club (AFA Club) - Provides a forum for the open discussion of topics related and relevant to people of African-descent both on the African continent and in the Diaspora. The organization provides a vital link between the students and the faculty of the Department of Africana Studies, and acts as a base for student activism on campus and in the community.

American Chemical Society Student Affiliate - (Chemistry Society at USF) –To enhance the students' knowledge of chemistry and chemistry related fields through interaction with faculty and students. This organization allows students to become better acquainted and ensures intellectual stimulation from a professional organization. For further information please call (813) 974-2144, CHE 205 or visit http://chemistry.usf.edu/society/.

American Society for Information Science and Technology (ASIS&T) - To advance the information sciences and related applications of information technology by providing focus, opportunity, and support to information professionals and organizations. Open to full and part-time students. Student membership prerequisite: faculty advisor’s signature. For more information please go to: http://www.asis.org

Anthropology Club – To promote and encourage an interest in Anthropology among individuals within the USF community, to provide a forum for the exchange of anthropological ideas between faculty and students, and foster an informal and creative atmosphere for interaction. For further information please call the Department Office at (813) 974-2138.

Communication Council - To encourage and promote extracurricular learning as well as social interaction among communication majors and minors. For further information please go to CIS 3058.

Classical Society – To promote classical studies, and to stimulate interest in the history, literature, and art of ancient Greece and Rome. For further information, visit the Classical Society website on Blackboard.

Colloquia in Literature and Linguistics - Provides a stimulating environment in which graduate students in French, Spanish, and Linguistics can share and expand their scholarly endeavors. Sponsors guest lectures. For further information please go to CPR 419.

Economics Scholars Society - We aim to promote and develop the application of economic concepts within the student body and provide a social basis for interaction and networking. For further information visit CMC 205N or email ess.usf@gmail.com.

Eta Sigma Phi – Open to all students of classical Greek and Latin, the purpose of the national honor society for classics is to promote classical studies, and to stimulate interest in the history, literature, and art of ancient Greece and Rome. For further information, visit the Classical Society website on Blackboard.

French Club - To promote the interest of the French language, Francophone culture and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

Feminist Student Alliance – Is a feminist organization for social equality and achieves its aim through activism around campus and in our community.

Gamma Theta Upsilon (GTU) - An international honor society in geography. The purposes of GTU are: to further professional interest in geography by affording a common organization for those interested in the field; to strengthen student and professional training through academic experiences in addition to those of the classroom and laboratory; to encourage student research of high quality. For further information, please go to NES 201.
Geographical Society of USF - Open to all undergraduate and graduate students at USF, regardless of academic major. Its goals are to: 1) further professional and personal interests in Geography by affording a common organization for those interested in the field, 2) strengthen student and professional training through academic experiences other than those of the classroom, 3) provide fellowship and guidance for those with an interest in the field of Geography, and 4) engage in community and civic work for the betterment of our university and surrounding community. For further information please go to NES 201.

Geology Club - The Geology Club at USF involves its members along with the department in many activities such as trips, annual T-shirt sales and extracurricular academic participation. These events include hosting weekly lecture series by professional geologists and providing opportunities for members to teach geology to local elementary schools. For further information please contact Dr. Mark Rains, SCA 531; or Geology Web Page @ http://geology.usf.edu/

German Culture Club - To promote the interest of German language, culture, and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 419.

History Club – see Phi Alpha Theta

Humanities & Cultural Studies Organization
HCSO, through educational, practical, and fun events, provides a solid support group for students by offering them further opportunities to learn, socialize, be heard, and be active members of their university and community. Our events lean toward cultural exploration through the fine arts. We are open to all and welcome those interested in study of the fine arts, American studies, Food studies, and Film studies.

International Studies Organization - To promote interaction between students and faculty. To enlighten the student populace of USF of the values of international studies and to foster gender relations among international studies majors. For further information please go to SOC 373.

Italian Club - The purpose of the Circolo Culturale Italiano is to provide educational opportunities and experiences in the American Life to its members and help them to improve their knowledge of the Italian language and culture. It also sponsors lectures, social events and grants scholarships to deserving students of Italian. For further information please go to CPR 419.

Kappa Tau Alpha – An honor society that recognizes academic excellence and promotes scholarship in journalism and mass communication. The top 10% of the graduating class is invited to join each semester. For more information, please contact Dr. Kelli Burns at kburns@usf.edu.

Lambda Pi Eta - The local chapter of the official honor society of the National Communication Association recognizes outstanding academic achievement in the discipline of Communication.

LINGO – This is an organization for those interested in language learning and teaching. For more information, please go to CPR 419 or visit the organization’s Blackboard site.

Iota Iota Iota - Triota for short, is an academic honor society in women’s studies. Its purpose is to encourage and support scholarship and excellence in women’s studies. Triota members strive to maintain the feminist values central to women’s studies: egalitarianism, inclusiveness, and the celebration of the diversity of women’s experience. Triota’s mission is one of service to other women’s studies students.

Omicron Delta Epsilon - The international economics honor society promoting outstanding achievements in economics and the establishment of closer ties between students and faculty.

Phi Alpha Theta - National Honor Society for outstanding History students to promote the study of History. For more information, go to www.history.usf.edu.

PHI ORG (Undergraduate Philosophy Organization) - Open to all USF students with an interest in philosophy. The purpose of the organization is to enhance the study of philosophy and to increase awareness of philosophical issues in the campus community.

Phi Sigma Iota - International Honor Society for outstanding majors and minors in Classics, all Foreign Languages and Literatures, Bilingual Education, Foreign Language Education and Comparative Literature.
Pi Mu Epsilon - The mathematics honor society to which the best scholars among our students are invited. Particular emphasis is given to performance in mathematics courses. For further information please go to PHY 342.

Pi Sigma Alpha - To function as an integral part of the political science department in the promotion of worthwhile extracurricular activities related to public affairs. For further information please go to SOC 352.

Psi Chi - Psi Chi is the International Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association and the Association for Psychological Science.

Public Relations Student Society of America (PRSSA) - The Walter E. Griscti Chapter of the Public Relations Student Society of America (PRSSA) is a pre-professional student organization devoted to learning and exploring within the field of public relations. For further information, contact Kevin Hawley at kevinhawley@usf.edu.

Radio Television Digital News Association (RTDNA) - Inspires students interested in a career in mass communications, whether their focus is broadcast news, production or radio. Our monthly meetings include workshops and discussions with some of Tampa's most influential TV and radio broadcasters, as well as prominent journalists, in the nation's 13th largest market. For more information, contact Travis Bell at tbell@usf.edu.

Religious Studies Club – The Religious Studies Club is open to all USF students who are interested in the academic study of religion. The club gives students an opportunity to learn more about religion and its study from one another and guests invited to club sponsored meetings and events. The Religious Studies Club can be contacted at: RSCUSF@yahoo.com

Russian Club - To promote the interest of Russian language, culture, and civilization through programs scheduled at club meetings and through social events of the club. For further information please go to CPR 427, Olga Oleynik, ooleynik@usf.edu.

Sigma Pi Sigma - Physics National Honor Society. Contact Dr. Robert Criss at (813) 974-0165 for more information.

Sigma Tau Delta – International Honor Society for students of English

Society of Physics Students (SPS) - An affiliate of the American Institute of Physics and includes the honor society of Sigma Pi Sigma. Contact Dr. Robert Criss at (813) 974-0165 for more information.

Society of Professional Journalists (SPJ) - SPJ is a way for journalism students at the University of South Florida to network and improve on things such as resume building, branding yourself and writing skills. Meetings every other Wednesday at noon in CIS 3075 at 6 p.m. include speakers, workshops and networking. For more information, contact Wayne Garcia at wgarcia@usf.edu.

Student Chapter of the Mathematical Association of America - A club for students who enjoy doing, discussing and learning mathematics. For further information please go to PHY 342.

Student Environmental Association – The purpose of this organization is to provide interaction among students interested in environmental issues on campus, in our region, and around the world. For further information, please go to NES 201.

University Psychology Association – The purpose of this organization is to foster understanding and stimulate interest in the discipline of Psychology and its sub fields. University Psychology Association is open to all USF students interested in the field of Psychology.