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 essentials of education are a capacity for and an 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. 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. Additional information may be obtained from Robin R. Jones, Director, by calling (813) 974-8452 or emailing jones@cas.usf.edu. The office is located in NES 305.

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. 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.

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.” Although Cell Biology, Microbiology and Molecular Biology, Communication, Integrative Biology, and Psychology are not limited access programs, they do have restrictive admission requirements.

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. 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
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 2.00. (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 2.00 in USF coursework. Note: In Anthropology, English and Mass Communications students must have a 2.50 major GPA in USF coursework; and the Integrative Biology major with a concentration in Marine Biology requires a 3.0 major gpa in USF coursework.

3. Complete the Foreign Language Entrance Requirement if entering USF fall semester, 1987 or later. Students pursuing a B.A. degree must complete the Foreign Language Exit Requirement.

4. Students enrolling in a college 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 (for more information, see section titled “Core Curriculum Requirements.”)

   Core Curriculum Requirements of 36 hours credit:
   a. English Composition
   b. Mathematics and Quantitative Reasoning (Calculus is required)
   c. Natural Sciences
   d. Social and Behavioral Sciences
   e. Human Cultural Diversity Global Context
   f. Fine Arts
   g. Humanities

   Total 36

  EXIT Course Requirements
   a. Capstone Course
   b. Writing Intensive Course

   Total 6

6. Physical Education coursework is limited to 2 semester hours.

7. ROTC courses are limited to 9 semester hours.

8. When double majoring, a maximum of 2 courses or 8 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 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.

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.

17. Students must satisfy CLAS (College Level Academic Skills Requirement).

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, Biomedical Physics, Chemistry, Classics, Communication, Economics, English, Environmental Policy, French, Geography, Geology, German, History, Humanities, International Studies, Italian, Linguistics, Mass Communications, Mathematics, Philosophy, Physics, Political Science, Psychology, Public Administration, Religious Studies, Russian, Sociology, Spanish, and Women's Studies.

Certain restrictions apply to students earning a minor: (a) students may not use courses in the major for the minor, unless approved by the department offering the minor; and (b) ISS majors may not earn a minor in any of the cognate areas incorporated in their contracts. 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; American Studies; Anthropology; Cell Biology, Microbiology, and Molecular Biology; Chemistry; Communication; Economics; English; Environmental Science and Policy; Geography; Geology; Government and International Affairs; History; Humanities; Integrative Biology; Interdisciplinary Social Sciences; Liberal Studies; Mass Communications; Mathematics; Philosophy; Physics; Psychology; Religious Studies; Sociology; Women's Studies, and World Languages. The College of Arts and Sciences offers 57 major fields of study as described in the following pages. In addition to the departmental majors, interdisciplinary majors are offered.

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 (LIT)
   Professional Writing, Rhetoric and Technical (CWT)
French (FRE)
   French International Studies & Business Concentration (IFB)
Geography (GPY)
Geology (GLY)
German (GER)
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 Studies (WST)

BACHELOR OF SCIENCE (B.S.)

Biology:
  Biology (BIO)
    Cell and Molecular Biology (CAM)
    Environmental Biology Ecology and Biodiversity (ENB)
    Environmental Biology Environmental Microbiology (ENB)
    Integrative Animal Biology (IAB)
    Marine Biology (MRN)
    Health Sciences (HLS)
    Microbiology (MIC)
Chemistry:
  Chemistry (CHS)
  Biomedical Sciences (BMS)
  Medical Technology (MET)
  Interdisciplinary Natural Sciences (INS)
  Environmental Science and Policy (ESP)
Geology (GLS)
Information Studies (ITC)

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.

Special Programs

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 Robin Jones, NES 305 or at jones@cas.usf.edu, (813) 974-8452.
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**:  
Credit Hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFS 3153</td>
<td>African Literature Survey</td>
<td>3</td>
</tr>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AFA 4931</td>
<td>Selected Topics: Afro-Diasporic Literature and Political Movements</td>
<td>3</td>
</tr>
<tr>
<td>ENG 4013</td>
<td>Literary Criticism</td>
<td>3</td>
</tr>
</tbody>
</table>

**Required Elective Courses** (Select any two of the following):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 4931</td>
<td>Selected Topics: Internship</td>
<td>3</td>
</tr>
<tr>
<td>AML 4303</td>
<td>Zora Neale Hurston</td>
<td>3</td>
</tr>
<tr>
<td>AML 4624</td>
<td>Black Women Writers</td>
<td>3</td>
</tr>
<tr>
<td>WST 4410</td>
<td>Postcolonial Women Writers</td>
<td>3</td>
</tr>
</tbody>
</table>

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 2.5 GPA or higher in the program will be denied the certificate.
Courses credited toward the Asian Studies Certificate:

**Group A**

**Art:**
- ARH 4530 (4)
- ARH4557 (4)
- ARH 4547 (4)

**Humanities:**
- HUM 2271 (3)
- HUM 2273 (3)
- HUM 3271 (4)
- HUM 3273 (4)

**Languages:**
- CHI 1120 (4)
- CHI 1121 (4)
- CHI 2200 (4)
- CHI 2201 (4)
- JPN 1120 (4)
- JPN 1121 (4)
- JPN 2220 (3)
- JPN 2221 (3)
- JPN 4905 (1-5)
- JPN 4930 (1-5)

**Religion:**
- REL 3318 (3)
- REL 3335 (3)
- REL 3340 (3)
- REL 3330 (3)
- REL 4343 (4)
- REL 4333 (4)
- REL 4344 (4)

**Group B**

**Geography:**
- GEA 3703 (4)

**History:**
- ASH 2270 (3)
- HIS 2931 (2-4)*
- ASH 3404 (4)

**Int'l Studies:**
- ASN 3012 (3)
- ASN 3014 (3)
- INR 4900 (1-3)*
- INR 4910 (1-3)*
- INR 4931 (1-4)*

**Political Science:**
- CPO 4930 (3)*
- CPO 5934 (3)
- INR 5086 (3)

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

The advisor for the Certificate in Asian Studies is Rosa Ore; she may be contacted at rosaore@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 Film Studies Certificate 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@cas.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
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 2.50 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 Course:
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
REL 4936 Selected Topics: Religion and Food

Group II – Ecology & Sustainability Course:
Students will take 3-4 credits chosen from the following list:
AMS 4804 Major Ideas in America: Ethics of Food Production
ANT 4403 Environmental Anthropology
SYA 4930 Topics in Sociology: Sustainable Consumption

Group III – Global Identities Course:
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
HUM 4930 Selected Topics in Humanities: Food and Theory
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 16-20 semester hours is required for the Certificate in India Studies. Of those 16-20 hours, 4 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: 4 credits
GEA 3194 Regional Geography – India 4

In addition to the above required core course, 4 electives (12-16 hours) must be taken--two each from Group A and two each from Group B.

Group A: History, Geography, Society, Politics: 6-8 credit hours
Courses that may be applied as electives to the India Studies Certificate are as follows:
GEO 4930 Selected Topics: Urban-Rural Contrasts in Globalizing 4
GEO 4930 Selected Topics: Gender and Development in India 4
GEO 4930 Selected Topics: Environmental Issues in India 4
HIS 3930 Special Topics: Asian History on Film 4
HIS 4936 Pro-Seminar in History 4
INR 4931 Selected Topics: South Asia 3

Group B: Language, Culture, Philosophy, and Religion: 6-8 credit hours
Courses that may be applied as electives to the India Studies Certificate are as follows:
REL 2300 Introduction to World Religions 4
REL 3014 Introduction to Major Religious Texts 3
REL 3308 World Religions 3
REL 3330 Religions of South Asia 3
REL 3335 Gods and Goddesses of India 3
REL 4333 Hindu Texts and Contexts 3

Group C: Study Abroad: 6-8 credit hours (Optional)
Students with Study Abroad experience in India may substitute one course each from Group A and Group B for 6-8 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.

Certificate in Italian Studies

The College of Arts and Sciences and the College of Visual and Performing Arts offer a 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 Society and Politics in the Italian Renaissance
- 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  
ENL 3230 British Literature 1616-1780  
ENL 3251 British Literature 1780-1900  
ENL 3273 British Literature 1900-1945  
ENL 3331 Early Shakespeare  
ENL 3332 Late Shakespeare  
LIT 3102 Literature of the Western World II Since the Renaissance

C. History  
EUH 3142 Renaissance and Reformation  
EUH 3202 History of 17th and 18th Century Europe  
EUH 3205 History of 19th Century Europe  
EUH 3206 History of 20th Century Europe  
EUH 3461 German History to 1870  
EUH 3462 German History 1870 to Present  
EUH 3501 British History to 1688  
EUH 3502 British History 1688 to Present  
HIS 3930 Special Topics  
HIS 4900 Directed Reading

D. Humanities and Cultural Studies  
HUM 4437 Italian Renaissance Culture  
HUM 4438 Northern Renaissance Culture  
HUM 4440 Arts and Letters in the 17th and 18th Centuries  
HUM 4442 Arts and Letters of the Romantic Period  
HUM 4444 19th Century European Arts and Letters  
HUM 4445 20th Century European Arts and Letters  
HUM 4905 Directed Study  
HUM 4941 Study on Location

E. Government and International Affairs  
CPO 4930 Comparative Government and Politics  
INR 3955 Overseas Study  
INR 4900 Directed Readings  
INR 4910 Directed Research  
INR 4931 Selected Topics  
POS 3931 Selected Topics  
POS 4905 Independent Study  
POT 4054 Modern Political Theory

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.)

FRENCH
### 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 4
   EUH 3576 Soviet Union 4
   EUS 3022 Russia 3
B. One of the following courses:
   RUS 3500 Russian Civilization 3
   RUT 3110 Russian Classics in English 3
   RUT 3111 20th Century Russian Literature in English 3

III. Elective Courses
HIS 3930 Selected Topics* 4
HIS 4900 Directed Reading* 1-3
INR 3018 World Ideologies 3
INR 4900 Directed Readings* 1-3
INR 4910 Directed Research* 1-3
INR 3955 Overseas Study* 1-6
RUS 2221 Russian IV 4
RUS 3240 Conversation I 4
RUS 4241 Conversation II 4
RUS 2270 Overseas Study 1-6
RUS 3470 Overseas Study 1-6
RUS 4471 Advanced Overseas Study 1-6
*When topic is defined as Russia, Eastern Europe or Eurasia. Courses may be substituted for those listed above with approval of the Coordinator. Students are strongly recommended to take advantage of overseas student opportunities.

Other courses may be substituted for those listed above with approval of a Russian Studies Coordinator. Students are strongly recommended to take advantage of overseas study opportunities.

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.

1) Core Courses (9-10 credits)
   URS 3002 Introduction to Urban Studies 3
   And two of the following:
   ANT 4442 Urban Life and Culture 3
   ARC 4784 The City 3
   ECP 3613 Economics of the Urban Environment 3
   GEO 3602 Urban Geography 4
   GEO 4604 Topics in Urban Geography 4
   POS 3142 Introduction to Urban Politics and Government 3
   SYA 4930 Selected Topics* 1-3
   SYD 4410 Urban Sociology (3
   SYD 4411 Urban Life 3
   *Please see academic advisor for the appropriate selected topics course.

2) Methods Courses (select one of the following: 3-4 credits)
   AFA 4350 African American Community Research 3
   ANT 4285 Oral History 3
   ANT 4495 Methods in Cultural Research 3
   CCJ 3701 Research Methods in Criminal Justice I 3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3713</td>
<td>Empirical Political Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 2122</td>
<td>Social Science Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3300</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3310</td>
<td>Qualitative Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3164C</td>
<td>Quantitative Methods</td>
<td>4</td>
</tr>
<tr>
<td>GIS 3006</td>
<td>Computer Cartography</td>
<td>4</td>
</tr>
</tbody>
</table>

Courses may have prerequisites within the discipline.

3) Electives (select four from the following list or from the CORE COURSES not counted above: minimum of 12 credits)

**Africana Studies**
- AFA 4331 Social Institutions and the African-American Community 3
- AMH 3572 African American History since 1865 3
- AMS 3700 Racism in American Society 3
- AFA 4335 Black Women in America 3
- AFA 4931 Social and Cultural Issues in Black Urban Life 3

**Anthropology**
- ANT 4316 Ethnic Diversity in the U.S. 3
- ANT 4701 Applied Anthropology 3
- ANT 4930 Special Topics in Anthropology (when applicable) 3

**Communication**
- SPC 3710 Communication and Cultural Diversity 3
- SPC 4714 Communication, Culture and Community 3

**Criminology**
- CCJ 3003 Crime and Justice in America 4
- CCJ 3024 Survey of the Criminal Justice System 3
- CCJ 3610 Theories of Criminal Behavior 3
- CCJ 3621 Patterns of Criminal Behavior 3
- CCJ 4450 Criminal Justice Administration 3

**Economics**
- ECO 4323 Radical Political Economy 3
- ECO 4504 Public Finance 3
- ECP 3201 Economics of Women and Work 3
- ECP 3203 Labor Economics 3
- ECP 3302 Environmental Economics 3
- ECP 3530 Economics of Health 3

**Geography**
- EVR 2861 Introduction to Environmental Policy 3
- GEO 4471 Political Geography 4
- GEO 4502 Economic Geography 4
- GEO 4700 Transportation Geography 4
- URP 4052 Urban and Regional Planning 4

**History**
- AMH 3423 Modern Florida 4
- AMH 3500 American Labor History 4
- AMH 3530 Immigration History 4
- AMH 3572 African American History since 1865 3

**Political Science**
- POS 2112 State & Local Government and Politics 3
- POS 3182 Florida Politics and Government 3
- POS 5155 Issues of Urban Government and Politics 3

**Public Administration**
- PAD 3003 Introduction to Public Administration 3
- PAD 4144 Nonprofit Organizations and Public Policy 3
- PAD 4204 Public Financial Administration 3
- PAD 5333 Concepts & Issues in Public Planning 3
- PAD 5807 Administration of Urban Affairs 3

**Social Work**
- SOW 3210 The American Social Welfare System 3

**Sociology**
- SYO 3120 Sociology of Families 3
- SYO 3530 Social Inequalities in a Global Society 3
Health Professions

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.

- Medical – for information regarding the USF Medical program, please visit: http://health.usf.edu/medicine/home.html.
- Veterinary Medicine
- Pharmacy – for information regarding the USF Pharmacy program, visit: 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 (3,1)
- BSC 2011, 2011L Biology II: Diversity (3,1)

**Chemistry**
- CHM 2045, 2045L General Chemistry I (3,1)
- CHM 2046, 2046L General Chemistry II (3,1)
- CHM 2210, 2210L Organic Chemistry I (3,2)
- CHM 2211, 2211L Organic Chemistry II (3,2)

**Physics**
- PHY 2053, 2053L General Physics I (3,1)
- PHY 2054, 2054L General Physics II (3,1)
In addition to these requirements it is generally expected that preprofessional 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 3,1
   BSC 2011, 2011L Biology II: Diversity 3,1
   MCB 3020C General Microbiology 4
   **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) 3,1
   PCB 3063, 3063L General Genetics (lab optional) 3,1
   MCB 4502 Virology 3
   MCB 4115 Determinative Bacteriology 5
   MCB 5815 Medical Mycology 3
   PCB 4064 Experimental Genetics 3
   PCB 4723 Animal Physiology 3
   PCB 4723L Animal Physiology Lab 1
   PCB 5235 Principles of Immunology 3
   ZOO 3323C Anatomy of Chordates 4
   ZOO 3713 Comparative Vertebrate Anatomy 4
   ZOO 4603 Animal Embryology 4
   ZOO 4753C Histology 4

   **Chemistry**
   CHM 2045, 2045L General Chemistry I 3,1
   CHM 2046, 2046L General Chemistry II 3,1
   CHM 2210, 2210L Organic Chemistry I 3,2
   CHM 2211, 2211L Organic Chemistry II 3,2
   BCH 3023 Introductory Biochemistry 3

   **Physics**
   PHY 2053, 2053L General Physics I 3,1
   PHY 2054, 2054L General Physics II 3,1

   **Mathematics**
   MAC 2241, MAC 2311, or MAC 2281 Calculus 4,4,4
   **Plus** either the second semester of a calculus sequence
   OR
   STA 2023 Introductory Statistics I 4

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)**

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 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.

**Requirements for the Major in Africana Studies**

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

**Major requirements for the B.A. Degree** (36 Credit Hours)

<table>
<thead>
<tr>
<th>Core Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000 Introduction to the Black Experience in Africa and its Diaspora</td>
</tr>
<tr>
<td>AFH 3100 African History to 1850</td>
</tr>
<tr>
<td>AFH 3200 African History since 1850</td>
</tr>
<tr>
<td>AMH 3571 African-American History to 1865</td>
</tr>
<tr>
<td>AMH 3572 African-American History since 1865</td>
</tr>
</tbody>
</table>

**Electives (21 Hours)**

Students will take seven additional elective courses from the following list of courses:

- AFA 4313 Black English
- AFA 4335 Black Women in America
- AFA 4350 African American Community Research
- AFA 4931 Selected Topics in Africana Studies
- AMS 3700 Racism in American Society
- AML 3604 African American Literature
- AML 4303 Major Works: Zora Neale Hurston
- PHM 4120 Major Black Thinkers
- AFS 2250 Culture and Society in Africa

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**

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

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

- AFA 2000 Introduction to the Black Experience in Africa and its Diaspora | 3 |
- AFH 3100 African History to 1850 or AFH 3200 African History since 1850 | 3 |
- AMH 3571 African-American History to 1865 or AMH 3572 African-American History since 1865 | 3 |

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

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


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

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**

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Students should complete two lower level, introductory courses (6 credit hours) in Anthropology prior to entering the university. If not taken at the community college, they must be completed before the degree is granted. Some courses required for the major may also meet General Education Requirements thereby transferring maximum hours to the university. A grade of “C” is the minimum acceptable grade. 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.

**Requirements for the Major in Anthropology**

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 2.50 GPA in all courses counted toward the major. ANT 2000, although suggested, is not a prerequisite to intermediate level courses. ANT 2000 may, however, be included in the 36 credit hour major requirement. Students who have not taken ANT 2000 must make up the missing hours with elective coursework. ANT 3101, ANT 2410, ANT 2511 and ANT 3610 are required as intermediate level training in the main subdivisions of the field, and ANT 4034 completes the specific requirements.

Majors are required to complete a minimum of 18 hours of 4000-level elective coursework, including at least one course from each subfield. A minimum of three (3) of these 18 credits must be selected from a list of designated methods courses. Methods courses may also be counted toward the subdivision requirement.

**Suggested Intro Core Course**

- **ANT 2000** Introduction to Anthropology 4

**Required Core Courses**

- **ANT 2410** Cultural Anthropology 3
- **ANT 2511** Biological Anthropology 3
- **ANT 2511L** Biological Anthropology Laboratory 1
- **ANT 3101** Archaeology 3
- **ANT 3610** Anthropological Linguistics 3
- **ANT 4034** Theories of Culture 3

**Area Electives**

Archeology
### Biological Anthropology
- **ANT 4520C** Forensic Anthropology 4
- **ANT 4586** Prehistoric Human Evolution 3
- **ANT 4516** Human Variation 3

### Cultural Anthropology
- **ANT 4014** Anthropology of American Culture 3
- **ANT 4231** Folklore 3
- **ANT 4241** Anthropology of Religion 3
- **ANT 4285** Oral History 3
- **ANT 4302** Gender in Cross-Cultural Perspectives 3
- **ANT 4312** North American Indians 3
- **ANT 4316** Ethnic Diversity in the United States 3
- **ANT 4323** Mexico and Central America 3
- **ANT 4340** The Caribbean 3
- **ANT 4390** Visual Anthropology 3
- **ANT 4401** Exploring Cross-Cultural Diversity 3
- **ANT 4403** Environmental Anthropology 3
- **ANT 4432** The Individual and Culture 3
- **ANT 4442** Urban Life and Culture 3
- **ANT 4462** Health, Illness, and Culture 3
- **ANT 4495** Methods in Cultural Research 3
- **ANT 4620** Language and Culture 3
- **ANT 4701** Applied Anthropology 3
- **ANT 4750** Language and Social Interaction 3
- **ANT 4935** Rethinking Anthropology 3
- **URS 3002** Introduction to Urban Studies 3

### Methods
- **ANT 4180** Lab Methods in Archaeology 2-4
- **ANT 4181** Museum Methods 4
- **ANT 4183C** Archaeological Science 4
- **ANT 4285** Oral History 3
- **ANT 4390** Visual Anthropology 3
- **ANT 4495** Methods in Cultural Research 3
- **ANT 4520C** Forensic Anthropology 4
- **ANT 4824** Archaeological Field Methods 4-12

### Special Topics
- **ANT 4930** Special Topics 3

Depending upon the specific topic, this 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, Department Honors Program, summer field schools, job opportunities, graduate education and professional careers in anthropology.
Requirements for the Minor in Anthropology

The minor in Anthropology consists of a minimum of 18 credit hours with a “C” average (2.0), distributed among two areas. 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. Students are urged to consult with advisor to create the most beneficial set of courses. ANT 2000, although suggested, is not a prerequisite to subsequent courses, although it may be included in the 18 credits required for the minor.

1. Intermediate-level core courses (6-9 credit hours)
   - ANT 2000 Introduction to Anthropology
   - ANT 2410 Cultural Anthropology
   - ANT 2511 Biological Anthropology
   - ANT 3101 Archaeology
   - ANT 3610 Anthropological Linguistics

2. 4000-level elective courses (9-12 credit hours)
   As described above in the listing of elective courses in archaeology, physical 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 (minimal 3.25 GPA overall, 3.5 GPA for USF anthropology course work), a 2-page personal statement indicating research interests, and an artist of recommendation from a member of the Department of Anthropology. Successful completion of the program requires maintenance of a 3.25 overall and a 3.5 in the major, completion of ANT 4932 (4) (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

Degrees in Biology are offered by the Department of Cell Biology, Microbiology and Molecular Biology (CMMB) and by the Department of Integrative Biology (IB). The two departments offer the following concentrations in the Biology Bachelor of Science degree: Cell & Molecular Biology (CMMB); Environmental Biology (IB), Integrative Animal Biology (IB), and Marine Biology (IB). All incoming students are required to choose one of the concentrations listed below when declaring a major in Biology. The degree in Biology is preparatory for careers in such areas as teaching, agriculture, medicine, dentistry, conservation, and biotechnology, or for post-baccalaureate study in the various life sciences.

Students enrolled in the Bachelor of Science Concentration in Cell & Molecular Biology are eligible to apply for an Accelerated BS/MS degree in Biology. This program allows B.S. majors to take graduate courses for the elective part of the Cell and Molecular Concentration and apply them to a non-thesis M.S. degree in Biology with a Concentration in Cell and Molecular Biology. Successful students can earn the M.S. degree in two additional semesters beyond the completion of the B.S. degree. More information can be found at the CMMB departmental web site (http://biology.usf.edu/cmmb/undergraduate). The accelerated BS/MS program is intended for students entering professions that do not need extensive laboratory experience but require more specialized knowledge of Cell and Molecular Biology.

The Bachelor of Science in Microbiology (MIC), offered by the CMMB, provides students with the broad range of courses necessary to qualify for certification by the National Registry of Microbiologists, American Society of Microbiology, employment in microbiology and related fields. This degree is preparatory for careers in teaching, medicine, biotechnology and post-baccalaureate study in related life sciences.

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 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 or 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 “C” (2.00) grade or better in order to meet the next course in the sequence’s prerequisites.

Additionally, all Biology or Microbiology majors entering USF for the first time, in Fall 2009 or later, who subsequently earn 3 D and/or F grades in USF coursework for their major and/or supporting coursework will be required to change their major to a major more appropriate to their goals and academic performance. That major may not be one 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 coursework for their major and/or supporting coursework will also be allowed 3 D and/or F grades in subsequent terms before being 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. Any continuing USF students who enter USF prior to Fall 2009 and who have earned greater than or equal to 1 D or F grade in USF coursework for their major and/or supporting coursework will be allowed only 2 more D and/or F grades in subsequent semesters before being 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.

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

• BIOLOGY (BIO) (CIP = 26.0101)

REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR WITH A CONCENTRATION IN CELL AND MOLECULAR BIOLOGY

REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR (BIO)

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 1010/1010L Introduction to Biology I - Cellular Processes (with lab)
  Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
- BSC 1011/1011L Introduction to Biology II - Diversity (with lab)
  Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
- CHM 1045/1045L General Chemistry I (with lab)
- CHM 1046/1046L General Chemistry II (with lab)
- CHM 2210/2210L Organic Chemistry I (with lab)
  Acceptable substitutes: PHY 3043/3043L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
- CHM 2211/2211L Organic Chemistry II (with lab)
  Acceptable substitutes: PHY 3053/3053L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
- MAC X311 Calculus I
  Acceptable substitutes: MAC 2233, MAC 2253, MAC X281
- MAC X312 Calculus II
  Acceptable substitutes: STA 2122, 2014, 2023, 2034, 2321 or equivalent; MAC 2234, 2254, 3282

This is a non-limited access program with the above courses recommended.

REQUIRED COURSES FOR THE BIOLOGY MAJOR - CONCENTRATION IN CELL BIOLOGY AND MOLECULAR BIOLOGY (CAM)

Department of Cell Biology, Microbiology, and Molecular Biology AND Department of Integrative Biology

Minimum: 40 credit hours

1. Required Courses [29 hours]:

UNIVERSITY OF SOUTH FLORIDA 2012-2013 UNDERGRADUATE CATALOG
### a. Biology Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010</td>
<td>Biology I Cellular Processes</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2010L</td>
<td>Biology I Cellular Processes Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BSC 2011</td>
<td>Biology II Diversity</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2011L</td>
<td>Biology II Diversity Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

### b. Elective Courses

- PCB 3063 General Genetics 3
- PCB 3063L General Genetics Laboratory 1
- PCB 3023 Cell Biology 3
- PCB 3023L Cell Biology Laboratory 1
- PCB 3043 Principles of Ecology 3
- PCB 3043L Principles of Ecology Laboratory 1
- MCB 3410 Cell Metabolism 3
- PCB 4024 Molecular Biology of Cell 3
- PCB 4026 Molecular Biology of Gene 3

### 2. Elective courses [minimum 11 hrs.]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3712</td>
<td>General Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4843</td>
<td>Principles of Neuroscience</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 4753</td>
<td>Human Histology and Histopathology</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4695</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>Mycology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4663</td>
<td>Human Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BSC 5420</td>
<td>Genetic Engineering</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4458</td>
<td>Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5616</td>
<td>Molecular Phylogenetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 4522</td>
<td>Experimental Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4910</td>
<td>Undergraduate Research</td>
<td>1-4</td>
</tr>
<tr>
<td>BSC 4933</td>
<td>Selected Topics</td>
<td>1-4</td>
</tr>
<tr>
<td>BSC 4905</td>
<td>Independent Study</td>
<td>1</td>
</tr>
</tbody>
</table>

A minimum of 20 credits of Biology courses must be taken in residency at the USF Tampa campus and be applicable to the major.

### 3. Supporting Courses in the Natural Sciences [minimum 34 credits]

#### a. Chemistry Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

#### b. Organic Chemistry Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Laboratory</td>
<td>2</td>
</tr>
</tbody>
</table>

#### c. Calculus Courses

- MAC 2241 Life Sciences Calculus I 4

- or

- MAC 2242 Life Sciences Calculus II 4

- and

- MAC 2281 Engineering Calculus I 4

- and

- MAC 2282 Engineering Calculus II 4

- or

- MAC 2311 Calculus I 4

- and

- MAC 2312 Calculus II 4

- STA 2023 Introductory Statistics I may be substituted for any Calculus II 4

#### d. Physics Courses

- PHY 2048 General Physics I 3
- PHY 2048L General Physics I Laboratory 1
- PHY 2049 General Physics II 3
- PHY 2049L General Physics II Laboratory 1

- or

- PHY 2053 General Physics I 3
- PHY 2053L General Physics I Laboratory 1
- PHY 2054 General Physics II 3
- PHY 2054L General Physics II Laboratory 1

### 4. Meet all College and University requirements.
Minimum Grade for Majors
A student must receive a "C-" grade or better in all Department of Integrative Biology or 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.

REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR WITH A CONCENTRATION IN ENVIRONMENTAL BIOLOGY (ENB)
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.

1. Required Courses for the Biology Major – Concentration in Environmental Biology – minimum 40 credit hours

   Required Courses – ECOLOGY AND BIODIVERSITY TRACK [25-26 hours]:
   a. BSC 2010  Biology I Cellular Processes  3
      BSC 2010L Biology I Cellular Processes Laboratory  1
      BSC 2011  Biology II Diversity  3
      BSC 2011L Biology II Diversity Laboratory  1
   b. PCB 3043  Principles of Ecology  3
      PCB 3043L Principles of Ecology Laboratory  1
      PCB 3063  General Genetics  3
      PCB 3063L General Genetics Laboratory  1
      PCB 4674  Organic Evolution  3
      BSC 4933  Conservation Biology  3
   c. One of the following
      BSC 4933  Plant Ecology  3
      or
      BSC 4933  Physiological Ecology  3
      or
      PCB 5307  Limnology  3
      or
      ZOO 5555C Marine Animal Ecology  4

   Required Courses – ENVIRONMENTAL MICROBIOLOGY TRACK [31-33 hours]:
   a. BSC 2010  Biology I Cellular Processes  3
      BSC 2010L Biology I Cellular Processes Laboratory  1
      BSC 2011  Biology II Diversity  3
      BSC 2011L Biology II Diversity Laboratory  1
   b. PCB 3043  Principles of Ecology  3
      PCB 3043L Principles of Ecology Laboratory  1
      PCB 3063  General Genetics  3
      PCB 3063L General Genetics Laboratory  1
      MCB 3020C General Microbiology  4
MCB 4404 Microbial Physiology and Genetics 4
MCB 4404L Microbial Physiology and Genetics Laboratory 1

c. Two of the following
   BSC 5444 Genomics or MCB 5655 Applied and Environmental Microbiology or 3
   BSC 4933 Microbiology of Waterborne Pathogens or BSC 4933 Ecology of Infectious Diseases or BSC 4933 Parasitology

2. Elective Courses – minimum 7-15 credit hours: Any Tampa Campus IB Biology or CMMB Biology Department course (course code prefix of BOT, BSC, ENY, MCB, PCB, or ZOO) with the exception of courses labeled as "not for major credit," and BCH 3023 Introduction to Biochemistry (3) and BCH 3023L Introduction to Biochemistry Laboratory (2). At least eight (8) or these hours must be at the 4000 level or higher. A maximum of four (4) hours of Undergraduate Research (BSC 4910 or MCB 4910) may be applied. A minimum of 20 hours of Biology courses taken at USF Tampa 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 3
      CHM 2045L General Chemistry I Laboratory 1
      CHM 2046 General Chemistry II 3
      CHM 2046L General Chemistry II Laboratory 1
   b. CHM 2210 Organic Chemistry I 3
      CHM 2210L Organic Chemistry I Laboratory 2
      CHM 2211 Organic Chemistry II 3
      CHM 2211L Organic Chemistry II Laboratory 2
   c. MAC 2241 Life Sciences Calculus I 4
      and
      MAC 2242 Life Sciences Calculus II 4
      or
      MAC 2281 Engineering Calculus I 4
      and
      MAC 2282 Engineering Calculus II 4
      or
      MAC 2311 Calculus I 4
      and
      MAC 2312 Calculus II 4
      STA 2023 Introductory Statistics I may be substituted for any Calculus II 4
   d. PHY 2048 General Physics I 3
      and
      PHY 2048L General Physics I Laboratory 1
      or
      PHY 2049 General Physics II 3
      and
      PHY 2049L General Physics II Laboratory 1
      or
      PHY 2053 General Physics I 3
      and
      PHY 2053L General Physics I Laboratory 1
      and
      PHY 2054 General Physics II 3
      and
      PHY 2054L General Physics II Laboratory 1

4. Meet all College and University requirements

Minimum Grade for Majors
A student must receive a “C-” grade or better in all Department of Integrative Biology or 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.

REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR WITH A CONCENTRATION IN INTEGRATIVE ANIMAL BIOLOGY (IAB)

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 1010/1010L Introduction to Biology I-Cellular Processes (with lab)
Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
BSC 1011/1011L Introduction to Biology II-Diversity (with lab)
Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

CHM 1045/1045L General Chemistry I (with lab)
CHM 1046/1046L General Chemistry II (with lab)
CHM 2210/2210L Organic Chemistry I (with lab)
Acceptable substitutes: PHY 3043/3043L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
CHM 2211/2211L Organic Chemistry II (with lab)
Acceptable substitutes: PHY 3053/3053L, PHY 3048/3048L, PHY 3049/3049L, or equivalent

MAC X311 Calculus I
Acceptable substitutes: MAC 2233, MAC 2253, MAC X281

MAC X312 Calculus II
Acceptable substitutes: STA 2122, 2014, 2023, 2034, 2321 or equivalent; MAC 2234, 2254, 3282

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.

1. Required Courses for the Biology Major – Concentration in Integrative Animal Biology – minimum 40 credit hours.

**Required Courses** [24 hours]:

a. BSC 2010 Biology I Cellular Processes 3
   BSC 2010L Biology I Cellular Processes Laboratory 1
   BSC 2011 Biology II Diversity 3
   BSC 2011L Biology II Diversity Laboratory 1

b. PCB 3043 Principles of Ecology 3
   PCB 3043L Principles of Ecology Laboratory 1
   PCB 3063 General Genetics 3
   PCB 3063L General Genetics Laboratory 1

c. One of the following pairs of structure and function courses, with laboratories:
   BSC 2093CHuman Anatomy and Physiology I 4
   and
   BSC 2094CHuman Anatomy and Physiology II 4
   or
   ZOO 2303 Vertebrate Zoology 3
   and
   BSC 2933 Vertebrate Zoology Laboratory 1
   and
   PCB 3712 General Physiology 3
   and
   PCB 3713L General Physiology Laboratory 1
   or
   ZOO 3713C Comparative Vertebrate Anatomy 4
   and either:
   PCB 3712 General Physiology 3
   and
   PCB 3713L General Physiology Laboratory 1
   or
   PCB 4723 Animal Physiology 3
   and
   PCB 4723L Animal Physiology Laboratory 1
   or
   ZOO 3205C Advanced Invertebrate Zoology 4
   and
   PCB 3712 General Physiology 3
   and
   PCB 3713L General Physiology Laboratory 1
   or
   ENY 3004C Introduction to Entomology 4
   and
   PCB 3712 General Physiology 3
2. **Elective Courses** – minimum 16 credit hours: Any Tampa Campus IB Biology or CMMB Biology Department course (course code prefix of BOT, BSC, ENY, MCB, PCB, or ZOO) with the exception of courses labeled as “not for major credit,” and BCH 3023 Introduction to Biochemistry (3) and BCH 3023L Introduction to Biochemistry Laboratory (2). At least eight (8) or these hours must be at the 4000 level or higher. A maximum of four (4) hours of Undergraduate Research (BSC 4910 or MCB 4910) may be applied. A minimum of 20 hours of Biology courses must be taken at USF Tampa 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 3
      CHM 2045L General Chemistry I Laboratory 1
      CHM 2046 General Chemistry II 3
      CHM 2046L General Chemistry II Laboratory 1
   b. CHM 2210 Organic Chemistry I 3
      CHM 2210L Organic Chemistry I Laboratory 2
      CHM 2211 Organic Chemistry II 3
      CHM 2211L Organic Chemistry II Laboratory 2
   c. MAC 2241 Life Sciences Calculus I 4
      or
      MAC 2242 Life Sciences Calculus II 4
      or
      MAC 2281 Engineering Calculus I 4
      and
      MAC 2282 Engineering Calculus II 4
      or
      MAC 2311 Calculus I 4
      and
      MAC 2312 Calculus II 4
      STA 2023 Introductory Statistics I may be substituted for any Calculus II 4
   d. PHY 2048 General Physics I 3
      and
      PHY 2048L General Physics I Laboratory 1
      and
      PHY 2049 General Physics II 3
      and
      PHY 2049L General Physics II Laboratory (1) 1
      or
      PHY 2053 General Physics I 3
      and
      PHY 2053L General Physics I Laboratory 1
      and
      PHY 2054 General Physics II 3
      and
      PHY 2054L General Physics II Laboratory 1

4. Meet all College and University requirements

**Minimum Grade for Majors**
A student must receive a “C-” grade or better in all Department of Integrative Biology or 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.

**REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR WITH A CONCENTRATION IN MARINE BIOLOGY (MRN)**

**Requirements for Entrance into the Biology Degree with a Concentration in Marine Biology**
Student applies to Marine Biology Program after meeting all entrance requirements of BIO major. In addition, a student must have a major GPA of at least 3.0 at the time of application and maintain a major GPA of at least 3.0 throughout the program.

**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 1010/1010L Introduction to Biology I—Cellular Processes (with lab)
Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012

BSC 1011/1011L Introduction to Biology II—Diversity (with lab)
Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

CHM 1045/1045L General Chemistry I (with lab)

CHM 1046/1046L General Chemistry II (with lab)

CHM 2210/2210L Organic Chemistry I (with lab)
Acceptable substitutes: PHY 3043/3043L, PHY 3048/3048L, PHY 3049/3049L, or equivalent

CHM 2211/2211L Organic Chemistry II (with lab)
Acceptable substitutes: PHY 3053/3053L, PHY 3048/3048L, PHY 3049/3049L, or equivalent

MAC X311 Calculus I
Acceptable substitutes: MAC 2233, MAC 2253, MAC X281

MAC X312 Calculus II
Acceptable substitutes: STA 2122, 2014, 2023, 2034, 2321 or equivalent; MAC 2234, 2254, 3282

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.

1. Required Courses for the Biology Major — Marine Biology Concentration – minimum 40 credit hours.

**Required Courses** [25 hours]

a. BSC 2010 Biology I—Cellular Processes 3
   BSC 2010L Biology I—Cellular Processes Laboratory 1
   BSC 2011 Biology II—Diversity 3
   BSC 2011L Biology II—Diversity Laboratory 1

b. PCB 3043 Principles of Ecology 3
   PCB 3043L Principles of Ecology Laboratory 1
   PCB 3063 General Genetics 3
   PCB 3063L General Genetics Laboratory 1
   BSC 3312 Marine Biology 3
   BSC 4937 Seminar in Marine Biology 2

c. One of the following
   ▪ BOT 3373C Vascular Plants Form and Function 4
     or
     ▪ MCB 3020C General Microbiology 4
     or
     ▪ ZOO 2303 Vertebrate Zoology (3) 3
     and
     ▪ ZOO 2933 Vertebrate Zoology Laboratory 1
     or
     ▪ ZOO 3713C Comparative Vertebrate Anatomy 4
     or
     ▪ ZOO 3205C Advanced Invertebrate Zoology 4

2. Elective Courses – minimum 15 credit hours: Choose from courses listed in 1c, above, and/or from the following list.

   BOT 5185C Marine Botany
   BSC 4313C Advanced Marine Biology
   GIS 5049 GIS for Non-Majors
   GLY 4734 Beaches and Coastal Environments
   MCB 4404/4404L Microbial Physiology and Genetics (with laboratory)
   MCB 5655 Applied and Environmental Biology
   OCB 6050 Biological Oceanography
   OCC 6050 Chemical Oceanography
   OCE 4930 Selected Topics in Marine Science*
   OCE 6934 Selected Topics in Oceanography*
   OCG 6051 Geological Oceanography
   OCP 6050 Physical Oceanography
   PCB 4674 Organic Evolution
   PCB 3712/3713L General Physiology (with laboratory)
   PCB 4723/4723L Animal Physiology (with laboratory)
   ZOO 4513 Animal Behavior
   ZOO 5456/5456L Ichthyology (with laboratory)
ZOO 5555C    Marine Animal Ecology

*Please see academic advisor for appropriate selected topics courses.

A maximum of six (6) hours may be taken in courses from other departments/colleges in the list above. At least eight (8) or these hours must be at the 4000 level or higher. A maximum of four (4) hours of Undergraduate Research (BSC 4910 or MCB 4910) may be applied. A minimum of 20 hours of Biology courses must be taken at USF Tampa 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       3
      CHM 2045L    General Chemistry I Laboratory  1
      CHM 2046    General Chemistry II       3
      CHM 2046L    General Chemistry II Laboratory  1

   b. CHM 2210    Organic Chemistry I     3
      CHM 2210L    Organic Chemistry I Laboratory  2
      CHM 2211    Organic Chemistry II       3
      CHM 2211L    Organic Chemistry II Laboratory  2

   c. MAC 2241    Life Sciences Calculus I   4
      and
      MAC 2242    Life Sciences Calculus II    4
      or
      MAC 2281    Engineering Calculus I      4
      and
      MAC 2282    Engineering Calculus II      4
      or
      MAC 2311    Calculus I                 4
      and
      MAC 2312    Calculus II                 4
      STA 2023    Introductory Statistics I may be substituted for any Calculus II  4

   d. PHY 2048    General Physics I         3
      and
      PHY 2048L    General Physics I Laboratory  1
      and
      PHY 2049    General Physics II          3
      and
      PHY 2049L    General Physics II Laboratory  1
      or
      PHY 2053    General Physics I           3
      and
      PHY 2053L    General Physics I Laboratory  1
      and
      PHY 2054    General Physics II           3
      and
      PHY 2054L    General Physics II Laboratory  1

4. Meet all College and University requirements

**Minimum Grade for Majors**

A student must receive a “C-” grade or better in all Department of Integrative Biology or 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.

- **BS in HEALTH SCIENCE (HLS) (CIP = 51.0000, Track 1/7)**

  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 Master’s degree programs in Health Management, 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 CLPx140
- APK x0105C or BSC x085/x085L or BSC x093 and BSC x094
- ENC x210 or ENC x254

Requirements for the B.S. Degree in Health Science

Core Requirements (State Mandated Prerequisites are included):

- BSC 1020 The Biology of Humans or BSC 1005 Principles of Biology for Non-Majors 3
- BSC 2085 and BSC 2085L Anatomy AND Physiology I for Health Professions 3, 1
  or
- BSC 2093 Human Anatomy and Physiology I AND BSC 2094 Human A&P II 4

- MAC 1105 College Algebra 3
- STA 2023 Introductory Statistics I 4
- IDS 2931 Selected Topics: Introduction to Health Professions 3
- ENC 2210 Technical Writing 3
- DEP 2004 The Life Cycle 3
- PHI 3633 Biomedical Ethics or PHI 3636 Professional Ethics 3
- CLT 3040 Scientific and Medical Terminology 3
- PSY 2012 Introduction to Psychological Science 3
- COM 2000 Introduction to Communication 3
  or
- ACG 2021 Principles of Financial Accounting 3
  or
- ANT 2511 Biological Anthropology 3
  or
- GEY 2000 Introduction to Gerontology 3
  or
- SYG 2000 Introduction to Sociology 3

Unless stated otherwise, a grade of "C-" is the minimum acceptable grade. At least 20 of the 30 upper level credit hours in the concentrations must be taken in residency at the USF Tampa campus.

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

- ANT 4520C Forensic Anthropology 3
- ANT 4462 Health Illness and Culture 3
- BMS 4406 Principles of Human Pharmacology 3
- BSC 4933 Selected Topics in Biology: Microbiology for Health Sciences 3
- BSC 3022 Biology of Aging 3
- GEY 3601 Physical Change and Aging 3
- HSC 3541 Human Structure & Function 3
- HSC 4504 Foundation of Public Health Immunology 3
- HSC 4554 Survey of Human Disease 3
- HSC 4580 Foundation of Food Safety 3
- HSC 4624 Foundation of Global Health 3
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIS 4930</td>
<td>Selected Topics in Information Studies: LIS Health Informatics</td>
<td>3</td>
</tr>
<tr>
<td>PHC 3302</td>
<td>Introduction to Environmental &amp; Occupational Health</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4030</td>
<td>Introduction to Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4406</td>
<td>Pop Culture, Vices, and Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4542</td>
<td>Stress, Health &amp; College Life</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 4512</td>
<td>Sociobiology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Communication Sciences & Disorders Cluster**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3030</td>
<td>Introduction to Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Anatomy and Physiology of the Speech &amp; Hearing Mechanism</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3002</td>
<td>Introduction to Disorders of Speech and Language</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3004</td>
<td>Introduction to Language Development and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3470</td>
<td>Culture and Diversity in CSD</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4104</td>
<td>Neuroanatomy of Speech, Language &amp; Hearing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Communication Sciences & Disorders Cluster**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3030</td>
<td>Introduction to Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Anatomy and Physiology of the Speech &amp; Hearing Mechanism</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3002</td>
<td>Introduction to Disorders of Speech and Language</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3004</td>
<td>Introduction to Language Development and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3470</td>
<td>Culture and Diversity in CSD</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4104</td>
<td>Neuroanatomy of Speech, Language &amp; Hearing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Communication Sciences & Disorders Cluster**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3030</td>
<td>Introduction to Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Anatomy and Physiology of the Speech &amp; Hearing Mechanism</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3002</td>
<td>Introduction to Disorders of Speech and Language</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3004</td>
<td>Introduction to Language Development and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPA 3470</td>
<td>Culture and Diversity in CSD</td>
<td>3</td>
</tr>
<tr>
<td>SPA 4104</td>
<td>Neuroanatomy of Speech, Language &amp; Hearing</td>
<td>3</td>
</tr>
</tbody>
</table>

**B. Social and Behavioral Health Sciences Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 4143</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>COM 4022</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 4020</td>
<td>Communicating Illness, Grief and Loss</td>
<td>3</td>
</tr>
<tr>
<td>COM 4021</td>
<td>Family Communication and End of Life</td>
<td>3</td>
</tr>
<tr>
<td>COM 4702</td>
<td>Communications, Language and Mental Illness</td>
<td>3</td>
</tr>
<tr>
<td>LIS 4930</td>
<td>Selected Topics in Information Studies: Health Information Studies</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4172</td>
<td>Women's Health: A Public Health Perspective</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4211</td>
<td>Health Behavior and Society</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4579</td>
<td>Foundation of Maternal &amp; Child Health</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4631</td>
<td>Critical Issues in Public Health</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4933</td>
<td>Special Topics in Public Health: US Healthcare Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4930</td>
<td>Selected Topics: Social Issues in Biomedical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHC 4406</td>
<td>Pop Culture, Vices, Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>SOP 4330</td>
<td>Social Psychology of HIV/AIDS</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3102</td>
<td>Human Behavior and the Social Environment II</td>
<td>3</td>
</tr>
<tr>
<td>SOW 3210</td>
<td>The American Social Welfare System</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4305</td>
<td>Communicating Emotions</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4930</td>
<td>Selected Topics: Global and Cultural Health Comm.</td>
<td>3</td>
</tr>
<tr>
<td>SPC 4321</td>
<td>Communication and Aging</td>
<td>3</td>
</tr>
<tr>
<td>SYO 4400</td>
<td>Medical Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WST 4320</td>
<td>The Politics of Women's Health</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mental Health Cluster**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 3411</td>
<td>Multidisciplinary Behavioral Healthcare Services</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4002</td>
<td>Behavioral Health Systems Delivery</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4408</td>
<td>Exemplary Practices in Behavioral HC Treatment</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4022</td>
<td>Adult Psychopathology in the Community</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS 4490</td>
<td>Behavioral Healthcare Issues for Children</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4703</td>
<td>Legal, Ethical and Professional Issues in BHC</td>
<td>3</td>
</tr>
</tbody>
</table>

**Substance Abuse Cluster**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 3411</td>
<td>Multidisciplinary Behavioral Healthcare Services</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4408</td>
<td>Exemplary Practices in Behavioral Healthcare Treatment</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4452</td>
<td>Co-Occurring Disorders</td>
<td>3</td>
</tr>
<tr>
<td>MHS 4703</td>
<td>Legal, Ethical and Professional Issues in BHC</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSB 3444</td>
<td>Drugs and Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

**C. Aging Health Studies Concentration**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3022</td>
<td>Biology of Aging</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4322</td>
<td>Gerontological Case Management</td>
<td>3</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS 4931</td>
<td>Selected Topics: Case Management in Community Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4327</td>
<td>Understanding Policy and Practice in Long Term Care</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4360</td>
<td>Physical Change and Aging</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4360</td>
<td>Gerontological Counseling</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4608</td>
<td>Alzheimer's Disease Management</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4628</td>
<td>Race, Ethnicity, and Aging</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4641</td>
<td>Death and Dying</td>
<td>3</td>
</tr>
<tr>
<td>GEY 4935</td>
<td>Special Topics in Gerontology: Program and Service Evaluation</td>
<td>3</td>
</tr>
</tbody>
</table>
COLLEGE OF ARTS AND SCIENCES

GEY 4935 Special Topics in Gerontology: Senior Seminar in Gerontology 3
HSC 4211 Health, Behavior & Society 3
HSC 4630 Understanding US Healthcare 3
PHC 4931 Health Care Ethics 3
SPA 3002 Introduction to Disorders of Speech and Language 3
SPA 4257 Adult Communication Disorders 3
SOW 3210 The American Social Welfare System 3

D. Health Management Concentration
ACG 2071 Principles of Managerial Accounting 3
GEY 4635 Business Management in an Aging Society 3
PHC 4101 Introduction to Public Health 3
HSC 4211 Health, Behavior & Society 3
HSC 4624 Foundation of Global Health 3
HSC 4631 Critical Issues in Public Health 3
HSC 4630 Understanding US Healthcare 3
HSC 4933 Special Topics in Public Health: US Healthcare Systems 3
MAN 3025 Principles of Management 3
PAD 3003 Introduction to Public Administration 3
PAD 4204 Public Financial Administration 3
PHC 4931 Health Care Ethics 3
PHI 3636 Professional Ethics 3
PUP 4002 Public Policy 3
PUP 5607 Public Policy and Health Care 3
RMI 3011 Principles of Insurance 3
SYO 4400 Medical Sociology 3

E. Health Information Technology Concentration
LIS 3353 IT Concepts for Information Professionals 3
LIS 3783 Information Architecture 3
LIS 4414 Information Policy and Ethics 3
LIS 4930 Introduction to Health Informatics 3
LIS 4930 ST in Information Studies: Health Information Management Systems 3
LIS 4930 ST in Information Studies: Health Information Technologies 3
LIS 4930 ST in Information Studies: Health Information Sources and Services 3
LIS 4482 Networks and Communication 3
PAD 4712 Managing Information Resources in the Public Sector 3

- Requirements for the Microbiology B.S. Major (MIC) (CIP = 26.0503)

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 Introduction to Biology I-Cellular Processes (with lab)
  Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012
BSC X011/X011L Introduction to Biology II-Diversity (with lab)
  Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013
CHM X045/X045L General Chemistry I (with lab)
CHM X046/X046L General Chemistry II (with lab)
CHM X210/X210L Organic Chemistry I (with lab)
  Acceptable substitutes: PHY 3043/3043L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
CHM X211/X211L Organic Chemistry II (with lab)
  Acceptable substitutes: PHY 3053/3053L, PHY 3048/3048L, PHY 3049/3049L, or equivalent
MAC X311 Calculus I
  Acceptable substitutes: MAC 2233, MAC 2253, MAC

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.

Required Courses for the Microbiology Major
1. Department of Cell Biology, Microbiology, and Molecular Biology Courses-minimum 42 credit hours
### Foundational courses
- BSC 2010 Biology I Cellular Processes 3
- BSC 2010L Biology I Cellular Processes Laboratory 1
- BSC 2011 Biology II Diversity 3
- BSC 2011L Biology II Diversity Laboratory 1

### Core courses
- PCB 3023 Cell Biology 3
- PCB 3023L Cell Biology Laboratory 1
- PCB 3063 General Genetics 3
- MCB 3410 Cell Metabolism 3
- MCB 3020C General Microbiology 4

### Advanced courses

#### i. Complete all of the following:
- MCB 4115C Determinative Bacteriology 5
- MCB 4320 Molecular Microbiology 3

#### ii. Complete Twelve (12) hours from the following list:
- BSC 4905 Independent Study* 1
- BSC 4933 Selected Topics in Biology* 1-4
- BSC 5931 Selected Topics in Biology* 1-4
- BOT 4434C Mycology 3
- MCB 4503 Virology 3
- MCB 4313 Industrial Microbiology 3
- MCB 4905 Microbiology Undergraduate Research 1-4
- MCB 4934 Seminar in Microbiology 1
- MCB 5206 Public Health and Pathogenic Microbiology 3
- MCB 5655 Applied and Environmental Biology 3
- MCB 5815 Medical Mycology 3
- PCB 4234 Principles of Immunology 3
- BCH 3023 Introductory Biochemistry 3
- BCH 3023L Basic Biochemistry Laboratory 2
- MCB 4404 Microbial Physiology and Genetics 4
- MCB 4404L Microbial Physiology and Genetics Laboratory 1

*Please see an Academic Advisor for appropriate selected topics courses.

#### iii. A maximum of four (4) credit hours of Undergraduate Research (MCB 4910) may be applied.

#### d. A minimum of 20 credits of Biology courses must be taken in residency at the USF Tampa campus and be applicable to the major.

### Supporting Courses in the Natural Sciences-minimum 34 credit hours

#### a. MCB 4115C Determinative Bacteriology 5
- CHM 2045 General Chemistry I 3
- CHM 2046 General Chemistry II 3
- CHM 2046L General Chemistry II Laboratory 1

#### b. MCB 4320 Molecular Microbiology 3
- CHM 2045L General Chemistry I Laboratory 1
- CHM 2046L General Chemistry II Laboratory 1

#### c. MCB 4503 Virology 3
- CHM 2210 Organic Chemistry I 3
- CHM 2210L Organic Chemistry I Laboratory 2
- CHM 2211 Organic Chemistry II 3
- CHM 2211L Organic Chemistry II Laboratory 2

#### d. MCB 4313 Industrial Microbiology 3
- MAC 2241 Life Sciences Calculus I and 4
- MAC 2242 Life Sciences Calculus II 4
- or
- MAC 2281 Engineering Calculus I and 4
- MAC 2282 Engineering Calculus II 4
- or
- MAC 2311 Calculus I and 4
- MAC 2312 Calculus II 4
- STA 2023 Introductory Statistics I may be substituted any Calculus II 4

#### e. MCB 4503 Virology 3
- PHY 2048 General Physics I 3
- PHY 2048L General Physics I Laboratory 1
- PHY 2049 General Physics II 3
- PHY 2049L General Physics II Laboratory 1
- or
- PHY 2053 General Physics I 3
- PHY 2053L General Physics I Laboratory 1
Requirements for the Minor in Microbiology

A minor in Microbiology consists of 26 credit hours which include:

**Required Courses:**
- BSC 2010 Biology I Cellular Processes 3
- BSC 2010L Biology I Cellular Processes Laboratory 1
- PCB 3023 Cell Biology 3
- PCB 3023L Cell Biology Laboratory 1
- PCB 3063 General Genetics 3
- MCB 3410 Cell Metabolism or BCH 3023 Biochemistry 3
- MCB 3020C General Microbiology 4
- MCB 4115C Determinative Bacteriology 5
- MCB 4320 Molecular Microbiology 3

A "C-" is the minimum acceptable grade for courses in the minor. A minimum 2.00 average in the 26 credits is required for obtaining this degree.

**Cell Biology, Microbiology and Molecular Biology Faculty**

**Integrative Biology Faculty**

**Department of Chemistry**
The Department of Chemistry awards five degrees at the baccalaureate level: the Bachelor of Arts in Chemistry and, four Bachelor of Science degrees, in Chemistry, Biomedical Sciences, Interdisciplinary Natural Sciences, and Medical Technology. The Bachelor of Arts in Chemistry is also offered with an emphasis in Biochemistry or an emphasis for Health Professions. The Chemistry Department also awards three degrees at the graduate level, a non-thesis Master of Arts, the Master of Science and the Doctor of Philosophy. Each of the graduate degrees offers specialization in the areas of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry and physical chemistry. The chemistry faculty is comprised of 25 tenure and tenure-track faculty members and 5 instructors all of whom hold the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study which can be tailored to fit individual needs while maintaining a sound background in all general aspects of chemistry.

Majors in chemistry are well prepared to enter a wide range of chemical careers as well as many interdisciplinary activities that are the hallmark of modern science and technology. These include teaching and research in academic, government and private settings, bio medical research and clinical practice, environmental activities, materials science, law, business and other professions. The Bachelor of Chemistry is particularly designed for students wishing to continue with graduate training in chemistry and closely allied disciplines and the degree is certified by the American Chemical Society. The Bachelor of Arts provides opportunities for curricula individually tailored to meet many career objectives.

**General Requirements for the Majors in Chemistry**
The required sequence of Chemistry courses should be started immediately in the freshman year; the mathematics and physics requirements should be completed before the junior year as preparation for CHM 4410 Physical Chemistry I (B.S. degree), a course which is to be taken in the third year. CHM 4410 is a prerequisite to other advanced courses required for the B.S. degree in chemistry. CHM 4060 "Use of Chemical Literature" also is a prerequisite to several B.S. degree courses.

A grade of C or better is required in each chemistry course and each supporting course specified for a chemistry degree. All courses in a chemistry program must be taken with letter grade (A, B, C, D, F, I) except those 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 INS degree. Twelve credit hours of major-applicable upper-level natural science courses must be completed at USF for the BMS 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/junior 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 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 will be instituting a new procedure to provide students with the best opportunity to progress toward their degree requirements.

Beginning Fall 2009, the following D and/or F grade rules will 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 3 D and/or F grades in USF coursework for their major and/or supporting coursework for the major not including lab only courses (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 coursework for their major and/or supporting coursework for the major not including lab only courses (i.e. Math, Biology, Chemistry and Physics) by the beginning of Fall 2009, will also be allowed 3 D and/or F grades in subsequent terms before being 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 > 1 D or F grade in USF coursework for their major and/or supporting coursework for the major not including lab only courses (i.e. Math, Biology, Chemistry and Physics) by the beginning of Fall 2009, will be allowed only 2 more D and/or F grades in subsequent terms before being 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.

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

If a student is redirected via the D/F policy, regardless of major, they will no longer be able to take any courses offered 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.

Advisors in the College of Arts and Sciences Undergraduate Studies Office, BEH 201 (974-6957), will be available to assist students in the selection of a new major within the College.

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 each of General Chemistry 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.
### CHEMISTRY (CHS/CHM) (CIP = 40.0501)

**BA in Chemistry (CHM)**

The B.A. degree in Chemistry provides a course of study for students whose careers will require a thorough understanding of chemistry required for a variety of professional activities such as in health related professions, science teaching, business, law and other areas. Inherent in this program is a high degree of flexibility which permits tailoring a course of study to the student’s own educational objectives. 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>2</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>2</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>4</td>
</tr>
<tr>
<td>CHM 3610</td>
<td>3</td>
</tr>
<tr>
<td>CHM 3610L</td>
<td>1</td>
</tr>
<tr>
<td>CHM 4410</td>
<td>4</td>
</tr>
<tr>
<td>CHM 4413</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Required Chemistry Electives - 6 credit hours

3000 level or above; may include not more than 1 hour of CHM 4970.

Suggested courses: BCH 3023, BCH 3023L, BCH 4034, CHM 4300, CHS 4300, CHM 4060, CHM 4070, CHM 4130C, CHM 4131C, CHM 4411, CHM 4411L, CHM 4611, CHM 4970, CHM 4932*, CHS 4301L.

*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 - 14-16 credit hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2281</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2053</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2053L</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2054</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2054L</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Required natural science or engineering electives - 8 credit hours


### BA in Chemistry, emphasis in Biochemistry (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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>3</td>
</tr>
</tbody>
</table>
CHM 2045L  General Chemistry I Lab  1
CHM 2046  General Chemistry II  3
CHM 2046L  General Chemistry II Lab  1
CHM 2210  Organic Chemistry I  3
CHM 2210L  Organic Chemistry I Lab  2
CHM 2211  Organic Chemistry II  3
CHM 2211L  Organic Chemistry II Lab  2
CHM 3120C  Elementary Analytical Chemistry I  4
BCH 3023  Introductory Biochemistry  3
BCH 3023L  Basic Biochemistry Lab  2
BCH 4034  Advanced Biochemistry  3

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

Required Supporting Courses - 22 - 24 credit hours

BA 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Chemistry II Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>Elementary Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BCH 3023</td>
<td>Introductory Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHS 4300</td>
<td>Fundamentals of Clinical Chem.</td>
<td>3</td>
</tr>
<tr>
<td>CHS 4301L</td>
<td>Fundamentals of Clinical Chem. Lab</td>
<td>2</td>
</tr>
</tbody>
</table>

Minimum of 9 hours selected from the following:
BCH 3023L Basic Biochemistry Lab 2
BCH 4034 Advanced Biochemistry 3
CHM 3610 Intermediate Inorganic Chemistry* 3
CHM 3610L Intermediate Inorganic Chemistry Lab* 1
CHM 4060 Use of the Chemical Literature 1
CHM 4070 Historical Perspectives in Chemistry 3
CHM 4410 Physical Chemistry I* 4
CHM 4410L Physical Chemistry Lab* 1
CHM 4411 Physical Chemistry II 4
CHM 4413 Biophysical Chemistry 3
CHM4932 Special Topics in Chemistry** 3

*Students anticipating graduate study are advised to select these courses.
**Spectroscopy and Medicinal Chemistry are the only Selected Topics course acceptable for the Health Professions track of the Chemistry B.A. degree.

Required Supporting Courses - 22-24 credit hours
MAC 2311 (4) or MAC 2281 (3)
MAC 2312 (4) or MAC 2282 (3)
PHY 2053 (3) or PHY 2048 (3)
PHY 2053L (1) or PHY 2048L (1)
PHY2054 (3) or PHY 2049 (1)
PHY 2054L (1) or PHY 2049L (1)
BSC 2010 (3) or BSC 2010L (1)
PCB 4723 (3) or PCB 3023 (3)
PCB 4723L (1) or PCB 3023L (1)

Other suggested electives important for advanced studies in health professional vocations: BSC 2011, PCB 3063, PCB 5235, PCB 5525, STA 2023, MCB 3020, PCB 4723, ZOO 4753, ZOO 3713, MCB 4502, PCB 4253, PCB 5845.

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. This degree is applicable for the student who begins a chemical vocation immediately upon graduation as well as the one who pursues advanced study in chemistry or related areas. 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 3
CHM 2045L General Chemistry I Lab 1
CHM 2046 General Chemistry II 3
CHM 2046L General Chemistry II Lab 1
CHM 2210 Organic Chemistry I 3
CHM 2210L Organic Chemistry I Lab 1
CHM 2211 Organic Chemistry II 3
CHM 2211L Organic Chemistry II Lab 2
BCH 3023 Introductory Biochemistry 3
CHM 3120C Elementary Analytical Chemistry I 4
CHM 3610 Intermediate Inorganic Chemistry I 3
CHM 3610L Intermediate Inorganic Chemistry I Lab 1
CHM 4060 Use of the Chemical Literature 1
CHM 4130C Methods of Instrumental Analysis 4
CHM 4131C Methods of Chemical Investigation 4
CHM 4410 Physical Chemistry I 4
CHM 4410L Physical Chemistry Laboratory 1
CHM 4411 Physical Chemistry II 4
CHM 4611 Advanced Inorganic Chemistry 3
### Required Supporting Courses - 20-23 credit hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 (4)</td>
<td></td>
<td>MAC 2312 (4)</td>
</tr>
<tr>
<td>MAC 2281 (4)</td>
<td></td>
<td>MAC 2282 (4)</td>
</tr>
<tr>
<td>MAC 2313 (4)</td>
<td></td>
<td>MAC 2283 (4)</td>
</tr>
<tr>
<td>PHY 2048 (3)</td>
<td></td>
<td>PHY 2049 (3)</td>
</tr>
<tr>
<td>PHY 2048L (1)</td>
<td>and</td>
<td>PHY 2049L (1)</td>
</tr>
</tbody>
</table>

**Required natural science or engineering electives** - 3-6 hours

- 1 - 3000 level course (PHY 3101, MAP 4302 suggested)
- or

**Other suggested chemistry electives**: CHM 4970, BCH 3023L, CHM 4070, CHM 4413, CHM 4932*.

*Content varies each semester.

### Minor in Chemistry

Minimum of 24 total hours. 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2045L</td>
<td>General Chemistry I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>General Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2210L</td>
<td>Organic Chemistry I Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 4060</td>
<td>Use of Chemical Literature</td>
<td>1</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 3023</td>
<td>Introductory Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>BCH 3023L</td>
<td>Basic Biochemistry Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 3120C</td>
<td>Elementary Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHM 3610</td>
<td>Intermediate Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 3610L</td>
<td>Intermediate Inorganic Chem. Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHM 4300</td>
<td>Biomolecules</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4410</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 4410L</td>
<td>Physical Chemistry Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHM 4411</td>
<td>Physical Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 4413</td>
<td>Biophysical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4932</td>
<td>Selected Topics in Chemistry*</td>
<td>1-3</td>
</tr>
<tr>
<td>CHS 4300</td>
<td>Fundamentals of Clinical Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

*Content varies each semester. Note: CHM 4932 content varies each semester. Note: CHM 4932, Peer Leading cannot be used as a required chemistry elective in the minor.

### BIOMEDICAL SCIENCES (BMS) (CIP = 26.0102)

The Biomedical Sciences degree serves as a gateway into many professional programs such as Medicine, Pharmacy, Dentistry, and Physical Therapy. Required courses included Biology, Chemistry, Math and Physics. This degree provides the flexibility to choose advanced level science course based on your 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.

 Tier 1 - Required Biology and Chemistry Courses:

**Biology:**
- **BSC 2010**  Biology I - Cellular Processes  3
- **BSC 2010L** Biology I Lab  1
- **BSC 2011**  Biology II - Diversity  3
- **BSC 2011L** Biology II Lab  1

**Chemistry:**
- **CHM 2045**  General Chemistry I  3
- **CHM 2045L** General Chemistry I Lab  1
- **CHM 2046**  General Chemistry II  3
- **CHM 2046L** General Chemistry II Lab  1
- **CHM 2210**  Organic Chemistry I  3
- **CHM 2210L** Organic Chemistry I Lab  2
- **CHM 2211**  Organic Chemistry II  3
- **CHM 2211L** Organic Chemistry II Lab  2

**Required Supporting Courses:**

**Mathematics:**
- **MAC 2241**  Life Sciences Calculus I  4
- **MAC 2242**  Life Sciences Calculus II or STA 2023 Introductory Statistics  4

*MAC 2311 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  3
- **PHY 2053L** General Physics I Lab  1
- **PHY 2054**  General Physics II  3
- **PHY 2054L** General Physics II Lab  1

*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**  3
- **MCB 3020C** (4) 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:

- 9 credits minimum of Biology and Chemistry Coursework from the lists below, with no fewer than 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: 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 3
 MCB 4115C Determinative Bacteriology* 5
 MCB 4404 Microbial Physiology and Genetics 4
 MCB 4404L Microbial Physiology and Genetics Lab 1
 MCB 4503 Virology 3
 MCB 5206 Public Health & Pathogenic Microbiology 3
 MCB 5815 Medical Mycology 3
 MCB 3410 Cell Metabolism 3
 PCB 3023 Cell Biology 3
 PCB 3023L Cell Biology Lab 1
 PCB 3063 General Genetics 3
 PCB 3063L Genetics Lab 1
 PCB 3712 General Physiology 3
 PCB 3713L General Physiology Lab 1
 PCB 4234 Principles of Immunology 3
 PCB 4522C Experimental Genetics 3
 PCB 4843 Principles of Neuroscience 3
 ZOO 3713C Comparative Vertebrate Anatomy* 4
 ZOO 4753C Histology* 4

*Combined course - satisfies lab requirement

Chemistry:

 BCH 3023L Biochemistry Lab 2
 BCH 4034 Advanced Biochemistry 3
 CHM 3120C Elementary Analytical Chemistry 4
 CHM 3610 Intermediate Inorganic Chemistry 3
 CHM 3610L Intermediate Inorganic Chemistry Lab 1
 CHM 4410 Physical Chemistry I 4
 CHM 4410L Physical Chemistry Lab 1
 CHM 4411 Physical Chemistry II 4
 CHM 4413 Biophysical Chemistry 3
 CHM 4300 Biomolecules I 3
 CHM 4932 Selected Topics in Chemistry* 1-3
 CHS 4300 Fundamentals of Clinical Chemistry 3
 CHS 4301L Clinical Chemistry Laboratory 2

Other:

 HSC 4504 Foundations of Public Health Immunology* 3
 PHZ 4702 Applications of Physics to Biology & Medicine I 4
 PHZ 4703 Applications of Physics to Biology & Medicine II 4

*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)

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).

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.

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology I and Biology II</td>
<td>8</td>
</tr>
<tr>
<td>Calculus (MAC 2241, MAC 2242 or MAC 2311, MAC 2312 or MAC 2281 and MAC 2282)</td>
<td>8</td>
</tr>
<tr>
<td>General Chemistry (CHM 2045, CHM 2045L, CHM 2046, CHM 2046L)</td>
<td>8</td>
</tr>
<tr>
<td>General Physics (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L)</td>
<td>8</td>
</tr>
<tr>
<td>Introduction to Physical Geology and History of the Earth and Life</td>
<td>8</td>
</tr>
</tbody>
</table>

**Requirements for the Major in Interdisciplinary Natural Sciences**

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 40 hours:

- **Calculus I and II**
  - (MAC 2241, 2242 or MAC 2311, 2312 or MAC 2281 and MAC 2282)
  - (STA 2023 could be substituted for Calculus II)

- **Biology I and II**
  - (BSC 2010, 2010L and BSC 2011, 2011L)

- **General Chemistry I and II**
  - (CHM 2045, 2045L and CHM 2046, 2046L)

- **General Physics**
  - (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L)

- **Geology I and II**
  - (GLY 2010, 2000L and GLY 2100, GLY 2100L)

**TIER 2**

At least 8 hours of structured, upper division (3000 level or higher) courses in three of the five natural sciences areas, totaling 24 hours. 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.

Residency

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

**MEDICAL TECHNOLOGY (MET) (CIP = 51.1005)**

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 may need to select an alternate degree. Generally, hospitals require a minimum GPA of 2.50, and our students admitted to clinical programs in recent years have had a mean GPA of 3.00 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**
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, PCB 2131/2131L, BSC 2011/2011L, ZOO 2010, ZOO 1010)

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 3702,3,4  
   (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 2210/2210L, 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 2210/2210L, CHM 3211/3211L, CHM 3210/3210L, CHM 3210/3211L, CHM 3210C)

9) Statistics  
   (e.g. STA 2023, STA 2014, STA 2022, 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:

- General Biology I with lab (with lab where available) (BSC 2093C or BSC 1085/1085L)
- Human Anatomy and Physiology I (BSC 2010/2010L)
- General Biology II with lab (BSC 2011/2011L)
- General Microbiology with lab (MCB 3020C)
- General Chemistry I with lab (CHM 2045,2045L)
- General Chemistry II with lab (CHM 2046,2046L)
- Organic Chemistry I with lab (CHM 2210,2210L)
- Organic Chemistry II with lab (CHM 2211,2211L)
- Statistics (STA 2023)

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

- College Algebra (MAC 1105 or MAC 1147)
- Cell Biology with lab (PCB 3023, 3023L)
- Immunology (PCB 4234 or equivalent)
- Determinative Bacteriology with lab (MCB 4115C)
- 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

Medical Technology Faculty
Administrator: R. Larsen; Courtesy Professors: W. Winston (Tampa General Hospital), D. Tripolino (Bayfront Medical Center), M. Songer (St. Vincent’s Medical Center).

- COMMUNICATION (SPE) (CIP = 23.1304)

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

Communication is a restrictive major. To be admitted to the major, students must fulfill these three criteria:

- Complete at least 30 hours of college level work
- Have an overall grade point average in all college courses of 2.5 or above
- Complete the SPC 2608 prerequisite or equivalent public speaking course.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

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.

I. Prerequisites (3 hours)
This course is a prerequisite for declaring the communication major:
SPC 2608 Public Speaking

II. Required Courses (12 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 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 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, COM3051, COM 3052, COM 3413, COM 4016, COM 4021, COM 4030, COM 4050, COM 4104, COM4414, COM4931, 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 4714

Performance Studies (SPS)
- COM 3014, COM 3413, COM 4016, COM 4030, COM 4104, ORI 3950, ORI 4019, ORI 4120, ORI4150, ORI 4220, ORI 4310, ORI 4320, ORI 4410, ORI 4460, ORI 4931, SPC 3653, SPC 4201

Public Advocacy (SAD)
- COM 3014, COM 3413, COM 4016, COM4030, 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 4714

IV. Departmental Electives (6) 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

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
The other 12 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)
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
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 3
and
ECO X023 Economic Principles: Microeconomics 3
or
ECO XXXX and ECO XXXX 6

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 3
ECO 2023 Economic Principles: Microeconomics 3
ECO 3101 Intermediate Price Theory 3
ECO 3203 Intermediate Macroeconomics 3
QMB 2100 Business and Economic Statistics I 3
QMB 3200 Business and Economics Statistics II 3
Economics electives numbered 3000 or higher 15
ECO 4935 Special Topic: Exit Requirement in Economics 1
Notes:
MAC 2233 Business Calculus or MAC 2311 Calculus 1 (or the equivalent) must be taken as a prerequisite for ECO 3101 and ECO 3203.
ECP 3703, Managerial Economics (formerly ECO 3100), may be substituted for ECO 3101. Students may not take both for credit.
ECO 1000 (if taken before both ECO 2013 and ECO 2023) may be substituted for a maximum of 3 hours of upper level elective credit.
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.
No more than 3 hours credit can be applied toward a major from ECO 4905 and/or ECO 4914.
At least 12 hours of upper level credit must be taken in residence at USF.
Economics majors working at the regional campuses may not be able to fulfill all economics course requirements at those campuses.
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.
Appeals to the required change of major will be handled in the Economics Department and ONLY those students whose appeal is based on exceptional circumstances will be considered.
Advisors in the College of Arts and Sciences or the Transitional Advising Center will be available to assist students in the selection of a new major in their respective colleges.

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

- ECO 2013 Economic Principles: Macroeconomics 3
- ECO 2023 Economic Principles: Microeconomics 3
- Economics electives numbered 3000 or higher (may include QMB 3200) 12

ECO 1000, if taken before both ECO 2013 and ECO 2023, 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.


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 6 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)

Requirements for the Major in English

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. The English Department does not accept Sign Language as a foreign language.

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.

ENC 1101 Composition I 3
ENC 1102 Composition II 3
or
Six semester hours of English coursework in which the student is required to demonstrate college-level English skills through multiple assignments.

Upper-level coursework in the English Major:

The program in English provides three areas of specialization (divided into three degree-options):

- **Literary Studies** - 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.

- **Creative Writing** - 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.

- **Professional Writing, Rhetoric and Technology** - 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 will produce graduates who can think critically about communication, contexts, and technology as well as compose technologically-mediated documents and products using a variety of tools.

The English Education major is described under the section for the College of Education. Major requirements for English majors are listed below. A grade of below C- will not be counted toward fulfilling the major requirements. Students may not use more than one Directed Study toward meeting the major requirements. Transfer students must earn at least 15 hours in the major at USF. A 2.50 GPA in the major is required for graduation.

Specialization Area I: Literary Studies (LIT)

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 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.

Requirements for the Major – 36 hours
I. Required Courses (2 courses/6 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 3014</td>
<td>Introduction to Literary Methods (recommended during first 2 semesters of the major)</td>
</tr>
<tr>
<td>ENG 4013</td>
<td>Literary Criticism (recommended before any 4000-level courses)</td>
</tr>
</tbody>
</table>

II. Historical Distribution Requirements (1 course from each of the following groups) (5 courses/15 hours)

A. Medieval / Renaissance

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL3015</td>
<td>British Literature to 1616</td>
</tr>
<tr>
<td>ENL3331</td>
<td>Early Shakespeare</td>
</tr>
<tr>
<td>ENL3332</td>
<td>Late Shakespeare</td>
</tr>
<tr>
<td>ENL4311</td>
<td>Chaucer</td>
</tr>
<tr>
<td>ENL4338</td>
<td>Advanced Studies in Shakespeare</td>
</tr>
</tbody>
</table>

B. 17th/18th Century British

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL3230</td>
<td>British Literature 1616-1780</td>
</tr>
<tr>
<td>ENL4341</td>
<td>Milton</td>
</tr>
<tr>
<td>ENL3016</td>
<td>Studies in 17th and 18th Century British Literature</td>
</tr>
</tbody>
</table>

C. 19th Century British

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL3251</td>
<td>British Literature 1780-1900</td>
</tr>
<tr>
<td>ENL4122</td>
<td>Nineteenth-Century British Novel</td>
</tr>
<tr>
<td>ENL3017</td>
<td>Studies in Nineteenth-Century British Literature</td>
</tr>
</tbody>
</table>

D. American before 1900

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031</td>
<td>American Literature from the Beginnings to 1860</td>
</tr>
<tr>
<td>AML 3032</td>
<td>American Literature from 1860 to 1912</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
</tr>
</tbody>
</table>

E. 20th Century American or British

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3051</td>
<td>American Literature from 1912 to 1945</td>
</tr>
<tr>
<td>AML 4121</td>
<td>Twentieth-Century American Novel</td>
</tr>
<tr>
<td>AML 4261</td>
<td>Literature of the South</td>
</tr>
<tr>
<td>ENL3026</td>
<td>Studies in 20th Century Literature</td>
</tr>
<tr>
<td>ENL3273</td>
<td>British Literature 1900-1945</td>
</tr>
<tr>
<td>ENL4132</td>
<td>British Novel Conrad to the Present</td>
</tr>
</tbody>
</table>

III. Cultural-Critical Studies (2 courses/6 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3604</td>
<td>African American Literature</td>
</tr>
<tr>
<td>AML 3630</td>
<td>Latino/a Literature</td>
</tr>
<tr>
<td>AML 4111</td>
<td>Nineteenth-Century American Novel</td>
</tr>
<tr>
<td>AML 4121</td>
<td>Twentieth-Century American Novel</td>
</tr>
<tr>
<td>ENG 4060</td>
<td>History of the English Language</td>
</tr>
<tr>
<td>ENL4122</td>
<td>Nineteenth-Century British Novel</td>
</tr>
<tr>
<td>ENL4132</td>
<td>British Novel Conrad to the Present</td>
</tr>
<tr>
<td>LIN 4671</td>
<td>Traditional English Grammar</td>
</tr>
<tr>
<td>LIT 3022</td>
<td>Modern Short Prose</td>
</tr>
<tr>
<td>LIT 3031</td>
<td>Survey of Poetry</td>
</tr>
<tr>
<td>LIT 3043</td>
<td>Modern Drama</td>
</tr>
<tr>
<td>LIT 3093</td>
<td>Contemporary Literature</td>
</tr>
<tr>
<td>LIT 3101</td>
<td>Literature of the Western World through Renaissance</td>
</tr>
<tr>
<td>LIT 3102</td>
<td>Literature of the Western World since Renaissance</td>
</tr>
<tr>
<td>LIT 3144</td>
<td>Modern European Novel</td>
</tr>
<tr>
<td>LIT 3410</td>
<td>Religious and Philosophical Themes in Literature</td>
</tr>
<tr>
<td>LIT 4386</td>
<td>British and American Literature by Women</td>
</tr>
</tbody>
</table>

IV. Electives (3 courses/9 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 4300</td>
<td>Selected American Authors</td>
</tr>
<tr>
<td>ENG 4674</td>
<td>Film and Culture</td>
</tr>
<tr>
<td>ENL4303</td>
<td>Selected British Authors</td>
</tr>
<tr>
<td>LIT 3374</td>
<td>Bible as Literature</td>
</tr>
<tr>
<td>LIT 3930</td>
<td>Selected Topics in Literature</td>
</tr>
<tr>
<td>LIT 4930</td>
<td>Selected Topics in English Studies</td>
</tr>
</tbody>
</table>

Any additional major course listed (above) under Option 1, LIT
Any major CRW course listed under Option 2, CRW major
Any major ENC course listed under Option 3, CWT major

Specialization Area II: 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.

1. Writing Requirements: Six courses (18 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 (May be repeated twice for a total of 6 credits. Choices would include creative nonfiction, screenwriting, craft courses in fiction, poetry, young adult literature, lyric poetry, etc.).

2. Literature Requirements: Six courses as follows:
   - One of the following courses that concentrates on literature written pre-1900:
     - AML 3031
     - AML 3032
     - AML 4111
     - ENG 4060
     - ENL 3015
     - ENL 3016
     - ENL 3017
     - ENL 3230
     - ENL 3251
   - Five (5) additional major literature courses from those listed in Area 1, the Literature major.

Specialization Area III: Professional Writing, Rhetoric and Technology (CWT)

Professional Writing, Rhetoric, and Technology: This undergraduate degree 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 will produce 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 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 4906 Internship

2. Electives: 7 courses from the following: (21 hours)
   - ENC 3250 Professional Writing
   - ENC 3310 Expository Writing
   - ENC 4020 Rhetorical Theory
   - ENC 4260 Advanced Technical Writing
   - ENC 4931 Selected Topics in Technical and Professional Writing
   - Any courses listed in Specialization Area I, the Literature major
   - Any courses listed in Specialization Area II, the Creative Writing major

Minor in English and American Literature

Requirements (15 hours):
1. One AML major course
2. Two ENL major courses
3. One 4000-level course from the LIT major
4. One additional course from any English Department major: LIT, CRW, CWT
Minor in Creative Writing

Requirements (15 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 major

Minor in Technical Communication and New Media

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 LIT major

English Honors Program

The Department of English Honors Program will provide 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

Students may apply for the program after completing 80 hours of coursework (90 before actual admission). Applicants should have a GPA of 3.30 in the major and an overall GPA of 3.00 and should submit signatures of recommendation from 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).
         Note: ENG 4935 and ENG 4936 may each be taken only once. Consequently, if ENG 4935 is taken to fulfill the three-hour Honors seminar requirement listed in A. above, it MAY NOT be taken to fulfill the remaining six hours of credit in Honors. And the same situation applies for 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.

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.

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 3.00.

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)

The status of the earth’s environment has been a major concern since the 1960s. 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 students must complete the University’s General Education Requirements. All majors in the program must complete the required courses including two introductory courses in environmental science and policy, one
semester of calculus, 2 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, 1 one semester of organic chemistry and lab, and 4 four electives within designated tracks. Students choosing to sub-specialize in policy take environmental law and environmental economics and 4 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

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.

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

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

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.

- BSC 2010 and BSC 2010L Biology 1 and Lab 4
- BSC 2011 and BSC 2011L Biology II and Lab 4
- CHM 2045 & CHM 2045L General Chemistry & Lab 4
- CHM 2046 & CHM 2046L General Chemistry II & Lab 4
- plus
- STA 2023 Statistics 3
- One approved Geology or Physics Course with Lab 4
- and either
  - MAC 2241 Life Sciences Calculus I 4
  - or
  - MAC 2281 Engineering Calculus I 4
  - or
  - MAC 2311 Calculus I 3

A second semester of calculus is only required of students pursuing the ESP-Science concentration. Students may choose among:

- MAC 2242 Life Sciences Calculus II 4
- or
- MAC 2282 Engineering Calculus II 4
- or
- MAC 2312 Calculus II 3

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 ALL ENVIRONMENTAL SCIENCE MAJORS**

- EVR 2002 Environmental Science
- EVR 2001L Intro to Environmental Science Lab
- EVR 2861 Intro to Environmental Policy
- EVR 4921 ESP Seminar
- BSC 2010 Biology I
- BSC 2010L Biology Lab I
- BSC 2011 Biology II
- BSC 2011L Biology Lab II
- CHM 2045 General Chemistry I
- CHM 2045L Chemistry Lab I
- CHM 2046 General Chemistry II
CHM 2046L Chemistry Lab II
PUP 4203 Environmental Politics and Policy
PHI 3640 Environmental Ethics
EVR 4910 ESP Project or EVR 4940 ESP Internship
EVR 4921 Environmental Science and Policy Seminar

Calculus
MAC 2241 Life Science Calculus I or MAC 2281 Engineering Calculus I or MAC 2311 Calculus I

Statistics
STA 2023 Introductory Statistics or QMB 2100 Business and Economic Statistics or EGN 3443 Engineering Statistics

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

Science Track
MAC 2242 OR MAC 2282 OR MAC 2312 and CHM 2210 and CHM 2210L plus 4 four approved science-related electives.

Please see 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.

Policy Track
GEO 4502 and POS 3697 plus four approved policy-related electives.

Please see 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.

Requirements for the Minor in Environmental Policy

A total of 19-20 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:
EVR 2002 Environmental Science
EVR 2001L Introduction to Environmental Science Lab
EVR 2861 Introduction to Environmental Policy

Three of the following four courses:
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/ 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.

Environmental Science and Policy Faculty

Department Chairperson: K. Archer; Director P. Reeder; Professors: A. Njoh; Associate Professors: P. Reeder, E. Strom, P. van Beynen; J. Collins; Assistant Professors: F. Akiwumi, K. Alsharif, J. Downs; Instructors: M. Hafen, R. Jones, C. Mizak; L. Walker; Adjuncts: G. Anderson, D. Weir.

• GEOGRAPHY (GPY) (CIP = 45.0701)

The degree program in Geography consists of 11 courses (41 hours total), 7 of which are core courses required of all majors, and four of which are electives chosen by the student. 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
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.
Two introductory courses in Geography with GEO prefix must be completed:
GEO XXXX 3
GEO XXXX 3
Major Course Requirements
A major in Geography consists of 11 courses as follows:
Required core courses (7 courses + lab):
GEO 2200 Intro to Physical Geography 3
GEO 2200L Intro to Physical Geography Lab 1
GEO 2400 Intro to Human Geography 4
GEO 3164C Research Methods in Geography 4
GEO 4933 Geography Colloquium 1
GIS 3006 Computer Cartography 4
GIS 4043C Geographic Information Systems 4
GEA XXXX One course with GEA prefix 4

Choose from:
GEA 2000 World Regional Geography
GEA 3194 Regional Geography
GEA 3405 Geography of Latin America
GEA 3500 Geography of Europe
GEA 3703 Geography of Asia

Supporting Courses (4 courses):
With the help of their advisor, majors must select 4 courses (or 16 credits) from among the following list for their
additional course work:
GEO 3602 Urban Geography 4
GEO 4114C Geographic Techniques & Methodology 4
GEO 4204C Topics in Physical Geography 4
GEO 4210 Process Geomorphology 4
GEO 4244 Tropical Meteorology 4
GEO 4265 Soil Genesis and Classification 4
GEO 4280C Hydrology 4
GEO 4284 Water Resources Management 4
GEO 4300 Biogeography 4
GEO 4340 Natural Hazards 4
GEO 4372 Global Conservation 4
GEO 4421 Cultural Geography 4
GEO 4471 Political Geography 4
GEO 4502 Economic Geography 4
GEO 4604 Topics in Urban Geography 4
GEO 4700 Transportation Geography 4
GEO 4930 Selected Topics 4
GIS 4035C Remote Sensing of the Environment 4
**COLLEGE OF ARTS AND SCIENCES**

**UNIVERSITY OF SOUTH FLORIDA 2012-2013 UNDERGRADUATE CATALOG**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET 4002</td>
<td>Climatology</td>
<td>4</td>
</tr>
<tr>
<td>MET 4012C</td>
<td>Meteorology</td>
<td>4</td>
</tr>
<tr>
<td>URP 4052</td>
<td>Urban &amp; Regional Planning</td>
<td>4</td>
</tr>
</tbody>
</table>

Courses **Excluded** as Electives for the major:
- GEO 1930  Geography of Current Events 4
- GEO 2371  Earth System Science 3

*Only 4 combined hours of the following courses may be applied toward the degree:*
- GEO 4900  Directed Reading 1-4
- GEO 4910  Individual Research 1-4

**Minimum Requirements for Major**

Students must earn a C- or better in all major course work. Students must maintain a minimum 2.00 major GPA in order to graduate.

**Requirements for the Minor in Geography**

A minor in Geography consists of 20 credit hours, with a minimum grade-point average of 2.00. The required courses are:
- GEO 2200 (3)  
- GEO 2200L (1) 
- GEO 2400 (4) 

One GEA elective (4) and two upper level (3000-5000 level) GEO, GIS, MET or URP electives (8).

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**


**• GEOLOGY (GLY/GLS) (CIP = 40.0601)**

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 subdisciplines 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.

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 (or their equivalents) must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

- CHM 1045/1045L General Chemistry I (with lab) or CHM 1045C or CHM 1045E
- CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E
- GLY 2010C Introduction to Physical Geology
- MAC 2311 Calculus I
- PHY 2048C* General Physics and Laboratory I or PHY 2048/2048L or PHY 2053C
- PHY 2049C* General Physics and Laboratory II or PHY 2049/2049L or PHY 2054C
Requirements for the Major in Geology (BA)

1. Geology courses (36 hours):
   a. Introductory Sequence* (4 hours):
      1) One course chosen from GLY 2010, GLY 2030, GLY 2100, and OCE 2001 (3) or other comparable acceptable course offerings, as approved by the Undergraduate Advisor (3)
      2) GLY 2000L (1)
         *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 4
      GLY 3402C The Solid Earth: Plate Tectonics and Earth Structure 4
      GLY 3552C Sedimentary Record 1: Sedimentary Processes and Petrology 4
      GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C Fluid Earth 2: Hydrogeology 4
      GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution* 4
         *(Requirement is waived for students who have taken GLY2010, GLY 2000L or GLY 2010L, and GLY 2100, GLY 2100L)
   c. Upper-Level Electives (12 hours):
      GLY 4554C Sedimentary Record 2: The Earth's Surface 4
      GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution (if not counted toward Core requirements above) 4
      GLY 4324C Physical Volcanology 4
      GLY 4480C Seismology 4
      GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C, Fluid Earth 2: Hydrogeology (if not counted toward Core requirements above) 4
      GLY 4310C Petrology 4
      GLY 4866 Computational Geology 3
      GLY 4921 Geocommunications 3
      GLY 4780 Geologic Field Studies 3
      And/or other 3000-4000 level GLY courses, as approved by the Undergraduate Advisor

2. Supporting Courses for the B.A. Degree (24 hours):
   CHM 2045, 2045L, CHM 2046, 2046L
   MAC 2281, 2282 (recommended) or MAC 2241, 2242 or MAC 2311, 2312
   PHY 2048, 2048L, PHY 2049, 2049L (recommended) or PHY 2053, 2053L, PHY 2054, 2054L

Requirements for the Major in Geology (BS)

1. Geology courses (44 hours):
   a. Introductory Sequence* (4 hours):
      1) One course chosen from GLY 2100, GLY 2010, GLY 2030, and OCE 2001, or other comparable acceptable course offerings, as approved by the Undergraduate Advisor (3)
      2) GLY 2000L (1)
         *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 4
      GLY 3402C The Solid Earth: Plate Tectonics and Earth Structure 4
      GLY 3552C Sedimentary Record 1: Sedimentary Processes and Petrology 4
      GLY 3720C Fluid Earth 1: Basic Principles 4
      OR
      GLY 4822C Fluid Earth 2: Hydrogeology 4
      GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution* 4
         *(Requirement is waived for students who have taken GLY2010, 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 4
   GLY 4104C Sedimentary Record 3: Paleontology and Earth Evolution 4
   (if not counted toward Core requirements above) 4
   GLY 4324C Physical Volcanology 4
   GLY 4480C Seismology 4
   GLY 3720C Fluid Earth 1: Basic Principles or GLY 4822C, Fluid Earth 4
   2: Hydrogeology (if not counted toward Core requirements above) 4
   GLY 4310C Petrology 4
   GLY 4866 Computational Geology 3
   GLY 4921 Geocommunications 3
   GLY 4780 Geologic Field Studies 3
And/or other 3000-4000 level GLY courses, as approved by the Undergraduate Advisor
Quantitative Requirement: 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, GLY
4822C, GLY 4324C, GLY 4480C. Others may be approved by the Undergraduate Advisor
d. Capstone Sequence (6 hours):
   6 hours of GLY 4947L/4948L/4949L (1 credit of each of these and any combination for the remaining 3
   credits), or an Approved Geology field course.
2. Supporting Courses for the BS Degree (28 hours):
   BSC 2010, 2010L
   CHM 2045, 2045L, CHM 2046, 2046L
   MAC 2281, MAC 2282 (recommended) or MAC 2311, MAC 2312
   PHY 2048, 2048L, PHY 2049, 2049L (recommended) or PHY 2053, 2053L, 2054, 2054L
Liberal Arts Requirements
All students are required to complete the University's Foundations of Knowledge and Learning core curriculum.

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
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
16 credit hours are required, which must include the completion of the introductory sequence courses (4 hours)
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 honor’s 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 3.20.

Geology Faculty
Chairperson: J. G. Ryan; Assistant Chairperson: P. Wang; Professors: C. Connor, P. J. Harries, J. G. Ryan; M. T.
Stewart, H. L. Vacher; Associate Professors: G. S. Herbert, S. E. Kruse, B. Onac, M. Rains, P. Wang, P. Wetmore;
Assistant Professors: R. Malarsievski, M. Pasek, J. Wynn; Instructors: J. Gould, J. McIlrath, T. C. Juster; Adjunct
Faculty: E. Rodriguez; Research Associates: Z. Atlas, L. Connor, Courtesy Faculty: C. Bonadonna, R. Denicourt, RM.
Olney, T. Pichler, D. Roman, V. Sales, S. Sandberg, T. M. Scott, J. Sorauf, S. Upchurch, K. Watson; Assistant
Curator: R. Campbell, G. Vest; Emeritus Distinguished Professor: R. A. Davis.
Department of Government & International Affairs

The Department of Government and International Affairs includes programs in International Studies, Political Science, and Public Administration. 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, including electives offered through the Public Administration program. For more specific details students are advised to consult the description of each specific program below.

- **INTERNATIONAL STUDIES (INT) (CIP = 45.0901)**

  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**

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.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

While the INT program does not have mandatory prerequisites, a student may apply up to 10 credit hours of lower level courses from the following list: AFS 2250, Culture and Society in Africa, ANT 2410, Cultural Anthropology; GEA 2000, World Regional Geography; CPO 2002, Comparative Politics; INR 2002, Introduction to International Relations; REL 2300, Introduction to World Religions; or GEB 2350, Doing Business Around the World.

**Upper-level Course Requirements**

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. The six required courses are

- INR 3011 Globalization 3
- INR 4083 Conflict in the World 3
- INR 3038 International Wealth and Power or CPO 4034 Politics of Developing Areas 3
- INR 3202 International Human Rights or INR 4502 International Organizations 3
- Plus two area studies courses from the INT upper division electives (3 hours each)

The additional 18 hours must include at least three elective courses (9 hours) from within the 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.

With the approval of the major advisor, credits earned in INR 4900 (1-3) and INR 4910 (1-3) 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 INT 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**

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:

- INR 3011 Globalization 3
- INR 4083 Conflict in the World 3
- INR 3038 International Wealth and Power or CPO 4034 Politics of Developing Areas 3
- INR 3202 International Human Rights or INR 4502 International Organizations 3

Plus 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.

International Studies Faculty


- POLITICAL SCIENCE (POL) (CIP = 45.1001)

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

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

Students should complete any two introductory courses with a POS, INR or CPO prefix (ideally POS 1041 or POS 2041, and POS 1112 or POS 2112) at the lower level prior to entering the university. If these introductory courses are not taken at the community college, they must be completed before the degree is granted. A grade of “C” is the minimum acceptable grade.

Upper-level Course Requirements

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. No more than six 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 3 credit hours of Economics (See your advisor for recommendations).

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.

The undergraduate curriculum in political science is composed of the following:

- **Required Core Courses (12 credit hours)**
  - CPO 2002 Introduction to Comparative Politics 3
  - or
  - INR 2002 Introduction to International Relations 3
  - and
  - POS 2041 American National Government 3
  - POT 3003 Introduction to Political Theory 3
  - POS 3713 Empirical Political Analysis 3

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.

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.

Students must choose electives from the seven fields (24 credit hours) 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 courses must be completed before a course from a given field or field grouping can be taken.

**Field I: Political Theory**

- POT 3013 (3)
- POT 4064 (3)
**Requirements for the Minor in Political Science**

A minor in political science requires the completion of a minimum of 18 credit hours, made up of two courses (6 credit hours) from among CPO 2002 (or INR 2002), POS 2041, and POT 3003. An additional 12 credit hours of courses included in the Political Science major are also required.

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 grade point average in political science courses and a 3.0 overall 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 (3). 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

---

**Field II: Comparative Government and Politics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POT 4054</td>
<td>3</td>
</tr>
<tr>
<td>POT 4204</td>
<td>3</td>
</tr>
<tr>
<td>POT 4936</td>
<td>3</td>
</tr>
</tbody>
</table>

**Field III: International Relations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 3102</td>
<td>3</td>
</tr>
<tr>
<td>INR 3370</td>
<td>3</td>
</tr>
<tr>
<td>INR 4403</td>
<td>3</td>
</tr>
<tr>
<td>INR 3038</td>
<td>3</td>
</tr>
<tr>
<td>INR 4035</td>
<td>3</td>
</tr>
<tr>
<td>INR 4502</td>
<td>3</td>
</tr>
<tr>
<td>INR 3336</td>
<td>3</td>
</tr>
<tr>
<td>INR 4254</td>
<td>3</td>
</tr>
</tbody>
</table>

**Field IV: American National and State Governments**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2080</td>
<td>3</td>
</tr>
<tr>
<td>POS 3182</td>
<td>3</td>
</tr>
<tr>
<td>POS 4413</td>
<td>3</td>
</tr>
<tr>
<td>POS 2112</td>
<td>3</td>
</tr>
<tr>
<td>POS 3453</td>
<td>3</td>
</tr>
<tr>
<td>POS 4424</td>
<td>3</td>
</tr>
<tr>
<td>POS 3173</td>
<td>3</td>
</tr>
<tr>
<td>POS 4204</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>3</td>
</tr>
</tbody>
</table>

**Field V: Urban Government and Politics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 3142</td>
<td>3</td>
</tr>
<tr>
<td>URP 4050</td>
<td>3</td>
</tr>
</tbody>
</table>

**Field VI: Public Policy**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 3102</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4203</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4002</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>3</td>
</tr>
</tbody>
</table>

**Field VII: Law and Politics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4403</td>
<td>3</td>
</tr>
<tr>
<td>POS 3691</td>
<td>3</td>
</tr>
<tr>
<td>POS 4624</td>
<td>3</td>
</tr>
<tr>
<td>POS 3283</td>
<td>3</td>
</tr>
<tr>
<td>POS 4614</td>
<td>3</td>
</tr>
<tr>
<td>POS 4693</td>
<td>3</td>
</tr>
<tr>
<td>POS 4694</td>
<td>3</td>
</tr>
</tbody>
</table>

The following courses are not included within any of the seven fields, but may still be used as elective hours:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>3</td>
</tr>
<tr>
<td>POS 4936</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>3</td>
</tr>
<tr>
<td>POS 4941</td>
<td>3</td>
</tr>
<tr>
<td>POS 3931</td>
<td>3</td>
</tr>
<tr>
<td>POT 4109</td>
<td>3</td>
</tr>
<tr>
<td>POT 4661</td>
<td>3</td>
</tr>
<tr>
<td>POT 4936</td>
<td>3</td>
</tr>
<tr>
<td>PAD 3003</td>
<td>3</td>
</tr>
<tr>
<td>POS 4936</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4002</td>
<td>3</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>3</td>
</tr>
<tr>
<td>URP 4050</td>
<td>3</td>
</tr>
<tr>
<td>POS 4905</td>
<td>3</td>
</tr>
<tr>
<td>POS 4970</td>
<td>3</td>
</tr>
<tr>
<td>POS 4002</td>
<td>3</td>
</tr>
<tr>
<td>POS 4970</td>
<td>3</td>
</tr>
<tr>
<td>POS 4109</td>
<td>3</td>
</tr>
</tbody>
</table>

**Requirements for the Minor in Political Science**

A minor in political science requires the completion of a minimum of 18 credit hours, made up of two courses (6 credit hours) from among CPO 2002 (or INR 2002), POS 2041, and POT 3003. An additional 12 credit hours of courses included in the Political Science major are also required.

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 grade point average in political science courses and a 3.0 overall 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 (3). 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.

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 program.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>American History I</td>
<td>(3)</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>(3)</td>
</tr>
<tr>
<td>ENC 3310</td>
<td>Expository Writing</td>
<td>(3)</td>
</tr>
<tr>
<td>EUH 1000</td>
<td>World Civilization I</td>
<td>(3)</td>
</tr>
<tr>
<td>EUH 1101</td>
<td>World Civilization II</td>
<td>(3)</td>
</tr>
<tr>
<td>POS 2112</td>
<td>State and Local Government</td>
<td>(3)</td>
</tr>
<tr>
<td>SPC 2608</td>
<td>Public Speaking</td>
<td>(3)</td>
</tr>
</tbody>
</table>

International Affairs Focus in Political Science

The area of Political Science offers a number of courses that prepare students for graduate study in International Relations and career opportunities in private or public transnational organizations.

Basic courses in the area include:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 2002</td>
<td>Introduction to International Relations</td>
<td></td>
</tr>
<tr>
<td>CPO 2002</td>
<td>Introduction to Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>INR 3102</td>
<td>American Foreign Policy</td>
<td></td>
</tr>
</tbody>
</table>

In addition, Political Science offers the following upper-level courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4034</td>
<td>Politics of Developing Areas</td>
<td></td>
</tr>
<tr>
<td>CPO 4930</td>
<td>Comparative Politics of Selected Areas</td>
<td></td>
</tr>
<tr>
<td>INR 4334</td>
<td>Defense Policy</td>
<td></td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td></td>
</tr>
<tr>
<td>INR 4403</td>
<td>International Law</td>
<td></td>
</tr>
<tr>
<td>INR 4502</td>
<td>International Organizations</td>
<td></td>
</tr>
<tr>
<td>CPO 5934</td>
<td>Selected Topics in Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>INR 5086</td>
<td>Issues in International Relations</td>
<td></td>
</tr>
</tbody>
</table>

Students desiring careers in international affairs or international administration are encouraged to supplement these courses with courses offered in International Studies, Management, Economics, Business Administration, Foreign Languages, and Public Administration.

Political Science Faculty


Public Administration (PAD) (CIP = 44.0401)

The Public Administration Program offers courses that serve as electives for undergraduate students. Completion of these courses will benefit those students preparing for a career in local, state, or federal agencies of government,
non-profit organizations, and special service districts and/or graduate work in public administration and related fields. The courses listed below may be taken for undergraduate credit. Please note that the 5000-level courses listed are available to seniors and graduate students only.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Introduction to Public Administration</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Organizations and Public Policy</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Public Financial Administration</td>
</tr>
<tr>
<td>PAD 4419</td>
<td>Personnel and Supervision in Today’s Organizations</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Managing Information Resources in the Public Sector</td>
</tr>
<tr>
<td>PAD 4930</td>
<td>Selected Topics in Public Administration and Public Policy</td>
</tr>
<tr>
<td>PAD 5035</td>
<td>Issues in Public Administration and Public Policy</td>
</tr>
<tr>
<td>PAD 5044</td>
<td>Environment of Public Administration</td>
</tr>
<tr>
<td>PAD 5333</td>
<td>Concepts and Issues in Public Planning</td>
</tr>
<tr>
<td>PAD 5605</td>
<td>Administrative Law and Regulation</td>
</tr>
<tr>
<td>PAD 5700</td>
<td>Research Methods in Public Administration</td>
</tr>
<tr>
<td>PAD 5807</td>
<td>Urban and Local Government Administration</td>
</tr>
<tr>
<td>PAD 5836</td>
<td>Comparative Public Administration</td>
</tr>
<tr>
<td>POS 5159</td>
<td>Urban Policy Analysis</td>
</tr>
<tr>
<td>PAD 4930</td>
<td>Selected Topics in Public Administration and Public Policy</td>
</tr>
<tr>
<td>PAD 5605</td>
<td>Administrative Law and Regulation</td>
</tr>
<tr>
<td>PAD 5807</td>
<td>Urban and Local Government Administration</td>
</tr>
<tr>
<td>PAD 5836</td>
<td>Comparative Public Administration</td>
</tr>
<tr>
<td>PAD 5035</td>
<td>Issues in Public Administration and Public Policy</td>
</tr>
</tbody>
</table>

**Requirements for the Minor in Public Administration**

The minor in Public Administration consists of 15 credit hours.

*Required Public Administration Courses (12 cr. hrs.)*

- PAD 3003 Introduction to Public Administration 3
- PAD 4204 Public Financial Administration 3
- PAD 4419 Personnel and Supervision for Today’s Organizations 3
- PAD 4712 Managing Information Resources in the Public Sector 3

*Public Administration Electives*

- 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 5836 Comparative Public Administration
- POS 5159 Urban Policy Analysis

**Public Administration Faculty**

*Director:* J.L. Daly; *Professors:* J. E. Jreisat, J. E. Pynes; *Associate Professors:* J. L. Daly; *Assistant Professors:* S. Aikins, M. Chary; *Joint Appointments:* Professor: J. E. Benton.

**HISTORY (HTY) (CIP = 54.0101)**

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 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**

A minimum of 36 semester hours is required for a major 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. The transfer student should be aware of the immunization, foreign language, and continuous enrollment policies of the university. **Specific**
state mandated common prerequisites for admission to the major include six (6) hours of introductory history courses with AMH, EUH, LAH, ASH, HIS or WOH prefixes.

Lower-level Course Requirements for the Major

Including the six credits of courses to meet the common prerequisites 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. Two of these courses must be sequential. Students may choose from introductory courses in the fields of Ancient, Medieval, Modern European, or American history to fulfill this two-course sequence. The remaining hourly requirements may be filled by taking any of the other 2000 level history courses.

Students at a community college planning to transfer to USF and major in history are encouraged to complete as many of the lower level requirements as possible at the community college level. Courses that fulfill the General Education/Gordon Rule requirement would be especially valuable. The minimum acceptable grade for courses being transferred for history department credit is a “C-.” If these courses have not been completed satisfactorily upon enrolling at USF, they must be taken before the degree is granted.

Upper-level Course Requirements for the Major

A minimum of 24 hours of course work from the 3000-4000 level is required to fulfill the 36-hour minimum requirement. Two of these courses, the Pro-Seminar and the Theory of History courses are required for all majors. A GPA of 2.25 in the history major is required before a student can be permitted into either of these courses. Additionally, these courses may not be taken during the same semester. The remaining 16 hours of credit may be chosen from the department offerings each 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/Internet Research Skills.” Additional hours can be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Classics, Economics, Geography, Government and International Affairs, Philosophy, Religious Studies, Sociology, Women’s Studies, Literature, the Humanities, and Art History.

Open University courses and exit courses titled "Issues in History" (HIS 3938) and “War and Society” (HIS 3308) are not eligible for major field credit.

Requirements for the Minor in History

The minor in History entails an 18-hour program organized and contracted by the student and the department around the specific needs of the student’s major program. A minimum of 8 hours must be completed at the University of South Florida. A minimum grade of “C-” or better must be attained in each course. One lower-level sequence is required, earning 6 credit hours. The department will supervise certification of the minor. Students interested in a minor in history are encouraged to see the History department advisor as early in their undergraduate program as possible.

Open University courses and exit courses titled “Issues in History” (HIS 3938) and “War and Society” (HIS 3308) are not eligible for minor field credit.

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 each area. For more specific details, students are advised to consult the description of each specific program below.

- HUMANITIES (HUM) (CIP = 24.0103)

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

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.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following major, support, or elective courses, if available, during the program of study at the community college, and when feasible in Foundations of Knowledge and Learning/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

ENC 1101 Composition I 3
ENC 1102 Composition II 3
Humanities (HUM 2000-level courses) 6
Creative Writing courses (CRW courses) 3-6
Introductory courses in applied and non-applied Fine Arts (ART, MUS) 6
Literature in Translation (RUT, CLT courses) 3-6
Social Science (AMH, EUH courses) 6

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

Core Courses - 12 hours:
1. HUM 2230 European Humanities: Renaissance – 20th Century 3
2. One additional Interdisciplinary Historical Survey:
   - HUM 2210 Studies in Culture: The Classical Through Medieval Periods or
   - HUM 2250 Studies in Culture: The 20th Century or AMS 2270 20th-Century American Culture or HUM 2466 Latin American Civilization II: Modern Latin America
3. One Introductory Genre or Medium course
   - FIL 1002 Introduction to Film Studies or HUM 2522 Introduction to the Cultural Study of Popular Music or a similar course approved by the department
4. HUM 3804 Introduction to Cultural Studies (prereq. HUM 2230 or AMS 2030) 3
   Students must pass this course with a B- or better in order to register for the Pro-seminar.

Concentration Courses - 9 hours
Coursework chosen in consultation with the Undergraduate Advisor to form a coherent focus of study. Students will follow one of two concentrations: Modern Humanities or Ancient, Medieval and Early Modern. Up to six of these hours can be taken in approved courses outside the department. Preapproved departmental courses include (all courses are 3 credits):

Ancient, Medieval, and Early Modern Concentration
- 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 Concentration
- 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 “Concentration” 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 Pro-seminar  3
   Students must have at least 6 units of upper-level major coursework in addition to a B- in HUM 3804 in order to enroll in HUM 4331 Pro-Seminar.
2. HUM 4931 Seminar in Humanities  3
   Students must pass HUM 4331 with at least a C- to register for HUM 4931.

Requirements for the Minor in Humanities
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:
1. 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
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  3
2. FIL 3052 Foundations of Film & New Media (pre-req. FIL 1002)  3
3. HUM 3930 Selected Topics in Humanities: Contemporary Film & New Media  3
4. One 3000- or 4000- Level Genres/Auteurs/Production Course  3
   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: Reality TV
   - GET 3522 Fantastic Films of Early German Cinema
   - GEW 4930 Selected Topics: German Directors in Hollywood
   - HUM 4582 Film Auteurs
   - HUM 4890 Genres and Media
   - LIT 4930 Selected Topics in English Studies: French New Wave
   - LIT 4930 Selected Topics in English Studies: Noir Fiction and Film
   - LIT 4930 Selected Topics in English Studies: Rogue Filmmakers
5. One 3000- or 4000- Level National Cinemas/Themes Course  3
   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: Italian Cinema
   - REL 3111 The Religious Quest in Contemporary Films
   - SPC 4310 Relationships on Film
   - SPT 3100 Masterpieces of Hispanic Literature
   - SPW 4930 Selected Topics: Hispanic Cinema and 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.

• AMERICAN STUDIES (AMS) (CIP = 05.0102)
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.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students are encouraged to complete the following 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. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

AMH 2010 American History I 3
AMH 2020 American History II 3
ENC 1101 Composition I 3
ENC 1102 Composition II 3
POS 2041 American National Government 3

Course Requirements for the American Studies Major -36 credit hours, distributed as follows:
1. AMS 2030 Introduction to American Studies 3
2. AMS 2270 Twentieth-Century American Culture 3
3. Two 3000- or 4000-level Period courses (e.g. AMS 3230, AMS 3001, AMS 3260) 3
4. One 3000- or 4000-level Regions or Regionalisms course (e.g. AMS 4210) 3
5. Two 3000- or 4000-level Genre or Media courses (e.g. AMS 3601, AMS 4305, HUM 4582, AMS 4305) 3
6. 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 units 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 3
2. AMS 2270 Twentieth-Century American Culture 3
3. Twelve (12) hours of upper-level AMS courses or other departmental courses approved by the undergraduate advisor.

Humanities and Cultural Studies Faculty


• INTERDISCIPLINARY SOCIAL SCIENCES (ISS) (CIP = 45.0101)

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.

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Florida College System courses may be counted toward the ISS degree. These could include Foundations of Knowledge and Learning credits, Gordon Rule classes, and courses such as the examples listed below. A grade of C- is the minimum acceptable grade.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 2000</td>
<td>Introduction to the Black Experience [In Africa and Its Diaspora]</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>American History I</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>American History II</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Economic Principles (Macroeconomics)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Economic Principles (Microeconomics)</td>
<td>3</td>
</tr>
<tr>
<td>GEA 2000</td>
<td>World Regional Geography</td>
<td>4</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POS 2112</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WST X015</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Interdisciplinary Core Courses

Two of these courses, an introductory course (3010) and the senior seminar (4935), 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. Social Science Statistics (STA 2122) 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                        | 3       |
   - ISS 4935 Seminar in the Social Sciences                        | 3       |
   - STA 2122 Social Sciences Statistics -6A QM                    | 3       |

2. The ISS student chooses between two concentration areas and completes twelve hours in each. In addition, three special electives emphasize cultural diversity: Africana Studies, Women’s Studies and International Studies.

3. Upon declaration of the major students should meet with the 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.

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

5. Students must maintain a minimum grade point average of 2.00 in ISS to graduate.

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

7. Other personal curricula may be tailored for those highly motivated students, with a minimum grade point average of 3.20, 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.

Concentration AREAS - Students select two areas and take 12 hours in each. Concentrations must be selected from the areas of study listed below:


**Interdisciplinary Social Sciences Faculty**

*Director: S. Bingham.*
• INFORMATION STUDIES (ITC) (CIP = 11.0103 - Track 1 or 4)

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.

Students admitted to the program prior to the Fall 2011 semester follow previous catalog guidelines. Check with Advisor for current criteria.

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 2012 Introduction to Psychological Science
- STA 2023 Introductory Statistics I
- ECO 2013 Economic Principles (Macroeconomics)
- CGS XXX Database Course (or any Database course)
- MAC 1140 Precalculus Algebra (or Discrete Math)

NOTE: Check with an advisor for current criteria.

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
- LIS 4402 Networks and Communication
- LIS 4414 Information Policy and Ethics
- LIS 4365 Web Design Technologies
- LIS 3352 Interaction Design
- LIS 4204 Information Behaviors
- LIS 4930 Data Structures and Algorithms

Electives (15 credits)

NOTE: Check with Advisor for current approved electives and criteria.

Exit Courses (6 credits):

- ENC 3249 Communication for Information Professionals
- LIS 4930 Capstone Seminar for Information Studies

NOTE: Check with an advisor for current criteria

School of Information Faculty


• MASS COMMUNICATIONS (COM) (CIP = 09.0102)

The University of South Florida’s School of Mass Communications is fully accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), one of 112 accredited programs in the nation. The 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.

Majors seeking careers in the mass media will be directed to the various media in close contact with the School for summer internships, practica and part-time work. A limited number of students will have the opportunity to serve as interns with a mass communications organization and take MMC 4945 for three hours credit. Students may not receive credit for both an internship (MMC 4945) and a practicum (ADV 4940, JOU 3940, JOU 4941, JOU 4944, PUR 4700, RTV 3941, RTV 4942, VIC 3943).

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.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

Students must complete 18 semester hours 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” 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”) 6
- MMC 3602 Mass Communications and Society 3

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”),
2. Earn a 2.75 overall GPA
3. Pass a School-administered English Diagnostic Test.

A maximum of nine 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 introduction 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” 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” before any other Mass Communications course may be taken. Students failing to achieve a minimum grade of “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 hours of core curriculum courses (MMC 2100 and MMC 3602) and 31 hours of required and selective 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 2.50 GPA in Mass Communications courses is required for graduation.
2. No student may graduate with a grade lower than “C” in any Mass Communications course.
3. 80 hours in courses outside the School of Mass Communications, including 65 hours in the liberal arts (as approved by the department).
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 description (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 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 Core Curriculum

MMC 2100 Writing for the Mass Media
MMC 3602 Mass Communication and Society

Sequence Requirements

ADVERTISING Requirements
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

Sequence Specialization Courses (two courses within specialization)
Creative Specialization (two courses)
ADV 4204 Advanced Advertising Creativity (required)
ADV 4710 Portfolio Building or MMC 4936 Selected Topics in Mass Communications Studies*
Media Specialization (two courses)
ADV 4301 Advanced Media Strategy (required)
ADV 4310 Digital Media or MMC 4936 Selected Topics in Mass Communications Studies*

Selective Requirements (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

Multimedia Journalism and Production Requirements

News-Editorial Option
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

Selective Requirements (10 hours required, 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
and
POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics & Government

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

Selective Requirements (7 hours required, 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
and
POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics and Government

Telecommunications News Option
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

Selective Requirements (9 hours required, 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
and
POS 2112 State and Local Government and Politics or POS 3142 Intro to Urban Politics and Government

Telecommunications Production Option
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

Selective Requirements (9 hours required, selected with advisor’s approval)

Other Requirements: The following courses are required outside the School to complete sequence requirements:
PHI 1103 Critical Thinking
and
PUBLIC RELATIONS Requirements
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

Selective Requirements (4 hours required, 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
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 (3) MMC 3602 (3)

The other 12 hours may be selected from among School offerings and must include a minimum of 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 2.50 grade point average 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 (2.00 grade points) 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, see the description given in the College of Education, Department of Secondary Education.

• MATHEMATICS (MTH) (CIP = 27.0101)

Requirements for the Major in Mathematics

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 Computer Language Course*
- MAC X311 Calculus I
- MAC X312 Calculus II
- MAC X313 Calculus III
- MAP X302 Differential Equations

Students must also complete one laboratory based science course from the following:

- BSC XXXX / XXXXL 4
- CHM XXXX / XXXXL 4
- PHY XXXX / XXXXL 4
- GLY XXXX / XXXXL 4

* a scientific programming course designed for computer science majors - (Pascal, FORTRAN, C, C+, or C++ recommended)

MAJOR IN MATHEMATICS

In order to gain the admission to the program a student must satisfy the following requirements:

1. have at least a 2.0 grade point average for all USF college courses, and
2. have at least a 2.0 grade point average 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.

Majors 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 (23 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
   Analysis Requirement. Majors must complete one of the following two courses (4 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 six courses from the following electives (Minimum 18 credit hours):
   - COP 4313 Symbolic Computations in Mathematics

158
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAA 4211</td>
<td>Intermediate Analysis I</td>
<td>4</td>
</tr>
<tr>
<td>MAA 4212</td>
<td>Intermediate Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>Complex Variables</td>
<td>3</td>
</tr>
<tr>
<td>MAD 4401</td>
<td>Numerical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAD 4504</td>
<td>Theory of Computation</td>
<td>3</td>
</tr>
<tr>
<td>MAS 4156</td>
<td>Vector Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>Elementary Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MAT 4970</td>
<td>Mathematics Senior Thesis</td>
<td>3</td>
</tr>
<tr>
<td>MHF 4406</td>
<td>History of Modern Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4214</td>
<td>Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MTG 4302</td>
<td>Introduction to Topology</td>
<td>3</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Essentials of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STA 4442</td>
<td>Introduction to Probability</td>
<td>3</td>
</tr>
</tbody>
</table>

Special Notes:
MAT 4930 Selected Topics in Mathematics may be taken as electives with the prior approval of the Chairman.
One or two courses from another department which are of high mathematical content may also be taken as electives, with the approval of the Chairman.
Majors wishing to take a course in statistics should first take STA 4442 and then STA 4321.
(See also the sections on the Honors Program and the Accelerated BA/MA Program below.)
Majors are required to take the minimum of 12 credit hours of required courses at the department of Mathematics and Statistics in USF.

2. Mathematics-related Courses (Min. 6 credit hours)
Majors 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.

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 3.00 grade point average for all college courses, and
3. have at least a 3.50 grade point average for mathematics courses.
Applications are submitted to the Undergraduate Committee of 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 3.00 average for all college courses, and
6. at least a 3.50 average for mathematics courses.

ACCELERATED BA/MA 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 BA and MA degree in mathematics in four to five years.
The program meets all the requirements for the BA degree, but requires the student to take those graduate level courses required for the MA degree during the last two years in the program. Up to 20 hours of graduate courses may be counted towards the MA degree as well as the BA 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 3.00 grade point average for all college courses, and
3. have at least a 3.50 grade point average 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

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 26 credit hours):

1. Required Courses (20 credit hours)
   Either:
   - MAC 2311 Calculus I 4
   - MAC 2312 Calculus II 4
   - MAC 2313 Calculus III 4
   or
   - MAC 2281 Engineering Calculus I 4
   - MAC 2282 Engineering Calculus II 4
   - MAC 2283 Engineering Calculus III 4
   Also, both of the following:
   - MGF 3301 Bridge to Abstract Mathematics 4
   - MAS 3105 Linear Algebra 4

2. Elective Courses (Min. 6 credit hours)
   Complete any 2 of mathematics courses that are required or elective for the major in mathematics.

Special Notes:
A student wishing to receive a minor in mathematics is required to take the minimum of 8 credit hours of required courses at the department of Mathematics and Statistics in USF.

• STATISTICS (STC) (CIP = 27.0501)

Requirements for the Major in Statistics

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 Computer Language Course*
- MAC X311 Calculus I
- MAC X312 Calculus with Analytic Geometry II
- MAC X313 Calculus III
- STA 2XXX Statistics

Students must also complete one laboratory based science course from the following:
- BSC XXXX / XXXXL 4
- CHM XXXX / XXXXL 4
- PHY XXXX / XXXXL 4
- GLY XXXX / XXXXL 4

* a scientific programming course designed for computer science majors - (Pascal, FORTRAN, C, C+, or C++ recommended)

MAJOR IN STATISTICS

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):

**Either:**
- MAC 2311 Calculus I 4
- MAC 2312 Calculus II 4
- MAC 2313 Calculus III 4

**or**
- MAC 2281 Engineering Calculus I 4
- MAC 2282 Engineering Calculus II 4
- MAC 2283 Engineering Calculus III 4

**Also:**
- STA 4102 Computational Methods for Applied Statistics 3

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

- BSC XXXX / XXXXL (4)
- CHM XXXX / XXXXL 4
- PHY XXXX / XXXXL 4
- GLY XXXX / XXXXL 4

**Required Courses** (Min. 12 credit hours):
- STA 2023 Introductory Statistics I 4
- STA 3024 Introductory Statistics II 3
- STA 4321 Essentials of Statistics 3
- STA 4442 Introduction to Probability I 3

**Elective Requirement:** Majors must complete 4 courses from the following electives (Min. 15 credit hours):
- STA 4222 Sample Survey Design 3
- STA 4502 Nonparametric Statistical Methods 3
- STA 4504 Categorical Data Analysis 3
- STA 4702 Multivariate Statistical Methods 3
- STA 4852 Applied Time Series 3
- MAP 2302 Differential Equations 3
- MAS 3105 Linear Algebra 4

**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 Chairman.
- STA 4930, Selected Topics in Statistics may be taken as electives, with the prior approval of the Chairman.

**Mathematics and Statistics Faculty**


- **PHILOSOPHY (PHI) (CIP = 38.0101)**

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.

The transfer student should also be aware of the immunization, foreign language, and continuous enrollment policies of the university.

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

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 three 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 two courses
   PHI 4670 Contemporary Ethical Theory
   PHM 4340 Contemporary Political Philosophy
e. Two of the following three courses
   PHI 4300 Theory of Knowledge
   PHI 3404 Philosophy of Science
   PHI 4320 Philosophy of Mind
f. 12 credit hours of Philosophy electives, of which 6 must be at the 4000 or 5000 level
g. PHI 4938 Philosophy Capstone Seminar

Two additional stipulations apply:

1. Minimum passing grade requirement. No grade below C- in any required philosophy course or philosophy elective may count toward the major;
2. Beginning Fall 2010: Residency Requirement. 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

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 three 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. 6 credit hours of Philosophy electives

No credit 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 9 hours in Philosophy at the 3000 level or higher (PHI 2101 may count toward the 9 hours).
3. Students must have an overall grade point average of 3.00, and their grade point average in Philosophy must be at least 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 grade point average in Philosophy 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 3 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

Chairperson: R. Ariew; Professors: J. P. Anton (Distinguished Professor of Greek Philosophy & Culture), R. Ariew, C. Guignon, D. Jesseph, M. R. Schönfeld, O. Schutte, T. Williams; Distinguished Research Professor: S. P. Turner; Associate Professors: C. Heydt, A. Levine, R. Manning, B. Sadler J.B. Waugh (AFGLC Professor of Greek Culture), E. Winsberg; Assistant Professors: Michael Morris, Joshua Rayman; Visiting Instructor: Anthony DeSantis, Peyton McElroy, Dolores Morris; Courtesy Associate Professors: M. Gibbons, A. Chitwood, Wei Zhang; Courtesy Professor: S. Axinn; Emeritus Faculty: J.A. Bell, B. Silver, R.N. Taylor, R.C. Weatherford, K. Wiredu.

• PHYSICS (PHY/PHS) (CIP = 40.0801)

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 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 1045/1045L General Chemistry I (with lab) or CHM 1040 & CHM 1041 or CHM 1045C or CHM 1045E
CHM 1046/1046L General Chemistry II (with lab) or CHM 1046C or CHM 1046E

It is recommended that students complete the following common prerequisite courses listed below prior to enrolling in upper division courses as a major. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

MAC 2311 Calculus I or MAC X281
MAC 2312 Calculus II or MAC X282
MAC 2313 Calculus III or MAC X283
PHY 2048/2048L General Physics I or PHY 2048C
PHY 2049/2049L General Physics II or PHY 2049C

Requirements for the Major in Physics (B.A. and B.S.)

Physics Courses

For the B.A. in PHYSICS (PHY) (33 credit hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048L</td>
<td>General Physics I Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 2049</td>
<td>General Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049L</td>
<td>General Physics II Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHZ 3113</td>
<td>Mathematical Methods in Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 3822L</td>
<td>Intermediate Lab</td>
<td>3</td>
</tr>
<tr>
<td>PHY 3221</td>
<td>Mechanics I</td>
<td>3</td>
</tr>
</tbody>
</table>
PHY 3323 Electricity and Magnetism I 3
PHY 4823L Advanced Laboratory 3
PHY 4930 Undergraduate Seminar 1
PHY 4604 Introduction to Quantum Mechanics 3

Plus 3 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 3
PHY 2048L General Physics I Lab 1
PHY 2049 General Physics II 3
PHY 2049L General Physics II Lab 1
PHY 3101 Modern Physics 3
PHZ 3113 Mathematical Methods in Physics 3
PHY 3822L Intermediate Lab 3
PHY 3221 Mechanics I 3
PHY 3323 Electricity and Magnetism I 3
PHY 4823L Advanced Laboratory 3
PHY 4910 Undergraduate Research (2 hours recommended) 1-4
PHY 4222 Mechanics II 3
PHY 4930 Undergraduate Seminar 1
PHY 4324 Electricity and Magnetism II 3
PHY 4523 Statistical Physics 3
PHY 4604 Introduction Quantum Mechanics 3

Plus 6 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 3
CHM 2045L General Chemistry I Lab 1
CHM 2046 General Chemistry II 3
CHM 2046L General Chemistry II Lab 1
MAC 2311 or 2281 Calculus I 4
MAC 2312 or 2282 Calculus II 4
MAC 2313 or 2283 Calculus III 4

Liberal Arts Requirements

The student is required to complete the university's Liberal Arts Requirements.

Free Electives

Courses over and above required courses should be taken to complete a 120-hour program.

Residency Requirement

A minimum of 20 credit hours of physics courses (see 1 above) 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; for junior college teachers, see USF Graduate Catalog.

Requirements for the Minor in Physics

A minor in Physics consists of 17 credit hours which include:

Required Courses

PHY 2048 or 2053 General Physics I 3
PHY 2048L or 2053L General Physics I Lab 1
PHY 2049 or 2054 General Physics II 3
PHY 2049L or 2054L General Physics II Lab 1
PHY 3101 Modern Physics 3

Plus 6 hours of upper level physics electives subject to approval of undergraduate advisor.

Required Supporting Courses

Correct prerequisites for any course required.

A “C-” is the minimum acceptable grade for any course in the minor.

A minimum “C” (2.00) average in the 19 credit hours is required for obtaining this minor.
Requirements for the Minor in Biomedical Physics

A minor in Biomedical Physics consists of 16 credit hours which includes:

- **PHY 2048 or 2053** General Physics I (3)
- **PHY 2048L or 2053L** General Physics I Lab (1)
- **PHY 2049 or 2054** General Physics II (3)
- **PHY 2049L or 2054L** General Physics II Lab (1)
- **PHZ 4702** Applications of Physics to Biology and Medicine I (4)
- **PHZ 4703** Applications of Physics to Biology and Medicine II (4)

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 “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)**

  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](http://psychology.usf.edu).

Requirements for the Major in Psychology

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.

- PSY X012 Introduction to Psychological Science
- any other lower level Psychology course within the Psychology inventory
- STA X0XX Any level Statistics course (X000 - X099), including PSY 3204 (Psychological Statistics)
- BSC XXXX General Biology course (or BSC X200, X209, or ZOO X010)

Once declared a Psychology major, continuation in the major requires successful completion of PSY 2012 Introduction to Psychological Science, PSY 3204 Psychological Statistics (or another approved Statistics course), and PSY 3213 Research Methods in Psychology, with at least a grade of C (not C-) and a grade point average for those three courses of 2.5 or higher. PSY 3213, Research Methods, 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. All majors must complete:

Minimum Requirements for Majors

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 Director of Advising and students notified of results by email.

Director of Advising decisions may be appealed in writing to the Psychology Departments Undergraduate Program Committee.

Requirements for Psychology Majors
1. Introductory Psychology Requirements (10 credit hours):
   - PSY 2012 Introduction to Psychological Science (3 credit hours)
   - PSY 3204 Psychological Statistics or any approved statistics course (3 credit hours)
   - PSY 3213 Research Methods in Psychology (4 credit hours)
   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 (3 credit hours)
   - PSY 4205 Experimental Design and Analysis (3 credit hours)

3. Two Courses in Cognitive and Neural Sciences (6 credit hours):
   - EXP 4204C Perception (3 credit hours)
   - EXP 4404 Psychology of Learning (3 credit hours)
   - PSB 4004C Physiological Psychology (3 credit hours)
   - EXP 4304 Motivation (3 credit hours)
   - EXP 4680C Cognitive Psychology (3 credit hours)

4. Two Courses in Social/Applied Psychology (6 credit hours):
   - CLP 4143 Abnormal Psychology (3 credit hours)
   - INP 4004 Industrial Psychology (3 credit hours)
   - SOP 4004 Social Psychology (3 credit hours)
   - DEP 4053 Developmental Psychology (3 credit hours)
   - PPE 4003 Personality (3 credit hours)

5. Psychology Elective Courses: If a student took PSY 3204 to meet the statistics requirement, the student must take 3 Psychology Elective courses (9 credit hours). If a student took a different statistics course, the student must take 4 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 (3 credit hours)**
   - GEY 4612 Psychology of Aging (3 credit hours)**
   - CBH 4004 Comparative Psychology (3 credit hours)
   - CLP 4414 Behavior Modification (3 credit hours)
   - SOP 4514 Holocaust Soc. Prejudice (3 credit hours)**
   - SOP 4330 HIV/AIDS (3 credit hours)
   - PSY 4913 Directed Study (1-3 credit hours)-The instructor’s permission is required
   - PSY 4931 Select Topics (3 credit hours)-These are graduate-type seminars designed for advanced undergraduate students. Generally, these courses require the instructor’s permission. See Oasis for current titles.

**No prerequisite required

Notes:

1. No more than a total of 3 hours of PSY 4913, Directed Study, or PSY 4970, Honors Thesis, (combined) may count
2. PSY 4931, Select Topics, may be repeated 3 times for credit under 3 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.

Requirements for the Minor in Psychology

A minor in Psychology consists of a minimum of 18 credit hours, comprising PSY 2012, any Statistics course or PSY 3213, and any 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 2.00 or better in the minor is required for certification and students must complete at least 8 credit hours toward the minor in residency at USF. 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.

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 Psychology Department 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 3.5 in major coursework, an overall GPA of 3.25 at USF, and, typically, completion of 43 hours in Psychology including PSY 4932, Honors Seminar (6) and PSY 4970, Honors Thesis (6). See the Psychology Department website for details of the program and an application form.

Psychology Faculty


• RELIGIOUS STUDIES (REL) (CIP = 38.0201)

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

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.

Upper-level Requirements and Coursework for the Religious Studies Major
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- 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 taking Religious Studies as a second major need to complete only 30 credit hours. To do so they must make a written request to the Undergraduate Director at the time they declare their major.

All majors must take:
1. One of the following (only one will count toward Religious Studies requirements)
   a. REL 2300 Introduction to World Religions 4
   b. REL 2306 Contemporary World Religions 4
   c. REL 3308 World Religions 3

2. REL 3003 Introduction to Religious Studies 4
3. REL 3014 Introduction to Major Religious Texts 3
4. REL 4931 Seminar in Religion 3
   (Note: eligibility for REL 4931 contingent on successful completion of REL 3003 and REL 3014)

5. Major must complete 22 or 23 additional credit hours that satisfy the following requirements:
   a. Take at least one course from each of the areas (Western Religions, Non-Western Religions, and Issues and Approaches)
   b. Take at least 18 credit hours at the 3000/4000 level, of which a minimum of 9 are required to be at the 4000 level
   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 becomes a major in the Department of Religious Studies at USF.

   The department’s course offerings are sufficiently varied that a student should expect to enroll in its scheduled classes. No more than three directed studies courses may be applied toward the major. Any student who wishes to take any type of directed study, including REL 3900, must have the (written) approval of his/her instructor.

   For purposes of the major requirement, religion courses are divided into the following three (3) areas:

   Western traditions (primarily Judaism, Christianity, and Islam)
   REL 2210, 2240, 3120, 3131, 3132, 3280, 3303, 3363, 3367, 3500 3561, 3602, 3607, 3611, 3613, 4133, 4171, 4215, 4217, 4245, 4250, 4252, 4626, 4670

   Non-Western traditions (Religious traditions other than those other Western Tradition)
   REL 3000, 3318, 3330, 3335, 3340, 3380, 4333, 4343, 4344,
   Issues and Approaches
   REL 2164, 3101, 3111, 3116, 3117, 3140, 3145, 3146, 3170, 3191, 3375, 3391, 3420, 3465, 3801, 4113, 4161, 4177, 4193, 4218, 4939

   Variable Credit Individualized Courses (Students are limited to six (credit) hours of the following courses)
   REL 3900, 4910

Requirements for the Minor in Religious Studies

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 transfer. Requests for transfer of credit must be made to the Undergraduate Director in writing when declaring a minor.

All minors must take:
   a. REL 3003 Introduction to Religious Studies 4
   b. REL 3014 Introduction to Major Religious Texts 3
   c. An additional 11 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 3003 Introduction to Religion 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 3.50 or higher in the major.
2. Completion of a USF degree with an overall GPA of 3.25 or higher.
3. Completion of 5 credit hours of “Honors Seminar.” Honors students will take the seminar for 3 credit hours in the Fall and 2 credit hours in the Spring.
4. Completion of 5 credit hours of Thesis/Directed Research for 2 credit hours in the Fall and 3 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) 2
- REL 4911 Undergraduate Research (Honors Thesis) 3
- REL 4937 Selected Topics: Fall Honors Seminar 3
- REL 4938 Selected Topics: Spring Honors Seminar 2

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; Senior Instructors: D. deChant, P. Schneider; Instructor: W. Schanbacher; Other Faculty: J. Cavendish, M. Decker.

- SOCIOLOGY (SOC) (CIP = 45.1101)
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
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.

Students should complete two lower level courses with the prefixes of SYD, SYG, SYO or SYP 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-" is the minimum acceptable grade. Students are encouraged to take the following specific courses, if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

**Specific Coursework in the Sociology Major**

The major consists of a minimum of 36 credit hours of Sociology coursework plus ISS 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 (May be replaced with an upper level sociology elective if a total of 12 or more hours of sociology coursework is completed before declaring a Sociology major)
- 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 Contemporary Social Problems may count toward these 24 hours of electives. No more than three hours each of SYA4910, 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 higher) listed within the area they select. 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**

**Required Course:** (3 credit hours)

SYA 4930 Topics in Sociology: Inequality and Social Justice 3

**Electives:** (9 credit hours)

- SYA 3700 Racial and Ethnic Relations 3
- SYA 4800 Gender and Society 3
- SYO 3530 Social Inequality in a Global Society 3
- SYP 3060 Sociology of Sexualities 3
- SYO 4400 Medical Sociology 3
- SYO 4430 Disability and Society 3
- SYA 4930 Topics in Sociology: Religion & Immigration 3
- SYP 3562 Family Violence 3
- SYD 4238 Immigrants to America 3
- SYP 3004 Constructing Social Problems 3
- SYA 4930 Topics in Sociology: Hidden Structures of Social Life 3
- SYO 3120 Sociology of Families 3
- SYA 4121 Queer Theory 3
- SYG 3011 Social Problems Through Film 3
- SYA 4930 Topics in Sociology: Social Inequality Through Film 3
- SYA 4930 Topics in Sociology: Sustainable Consumption 3
- SYA 4930 Topics in Sociology: Elite Deviance 3
- SYP 4651 Gender, Sport and the Body 3
- SYO 4250 Sociology of Education 3
- SYA 4304 Sociological Research Experience 1-3
- SYA 4910 Independent Research 1-3
- SYA 49449 Sociological Internship 1-6

**Identity and Community**

**Required Course:** (3 credit hours)

SYP 4111 Identity and Community 3

**Electives:** (9 credit hours)

- SYP 4763 Childhood and Youth 3
Requirements for the Minor in Sociology

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 and 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 3.00 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 3.00.
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
Chairperson: R. Benford; Professors: R. Benford, D. Jacobson, D. Loseke, M. Mayberry, J. Skvoretz; Associate Professors: E. Aranda, J. Cavendish, S. Crawley, J. Friedman, L. Graham, S. Green, M. Kleiman, M. Kusenbach, M. Miller, C. Ponticelli; Assistant Professors: W. Tyson, E. Vaquera; Post-Doctoral Visiting Professor: J. Barnshaw; Instructors: S. Bingham, C. Partin; Emeriti: E. Nesman, D. Stamps, R. Wheeler.

• WOMEN’S AND GENDER STUDIES (WST) (CIP = 05.0207)
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. Unless stated otherwise, a grade of "C-" is the minimum acceptable grade.

Upper-level Coursework for Women’s and Gender Studies Majors
Students must choose a total of 36 credit hours from Women’s 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 only 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 WST as a second major.

I. Required Core Courses (15 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women’s Studies</td>
<td>3</td>
</tr>
<tr>
<td>WST 3311</td>
<td>Issues in Feminism</td>
<td>3</td>
</tr>
<tr>
<td>WST 4002</td>
<td>Feminist Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>WST 4522</td>
<td>Classics in Feminist Theory or WST 4561 Contemporary Feminist Theory</td>
<td>3</td>
</tr>
<tr>
<td>WST 4935</td>
<td>Capstone/Senior Project</td>
<td>3</td>
</tr>
</tbody>
</table>

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
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 2015 Introduction to Women’s Studies

and one other WST core course.

The other 12 hours may be selected from among departmental offerings and must include a minimum of 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 Emeriti: C. DiPalma, L. L. McAlister, M. Myerson, J. Snook; Professor: D. Price-Herndl; Associate Professors: K. Golombisky, M. Hughes Miller. Affiliate faculty are listed on the Women’s and Gender Studies website at [http://wgs.usf.edu/](http://wgs.usf.edu/).

**The 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 (CLS) (CIP = 16.1200)**

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**

**Upper-Level Coursework for the Classics Major**
- **Requirements for the Major in Classics**
  All students who wish to enroll in the Classics Major must schedule an appointment with the Advisor.
- **General Requirements for the Major**
  The Classics Major requires 10 courses and 30 hours, which are divided between language and civilization requirements.
- **Language requirements**
  Majors are required to take at least four successive courses in a single language, Latin or Ancient Greek (LAT, LNW, GRE, GRW).
- **Civilization Requirements**
  Majors are required to take six 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, Religion, and Philosophy, etc., but only with the approval of the Advisor.
Requirements for the Minor in Classics

• General Requirements for the Classics Minor
  The Classics Minor requires 5 courses and 15 hours, which are divided between language and civilization requirements.

• Language requirements
  Minors are required to take at least two successive courses in a single language, Latin or Ancient Greek (LAT, LNW, GRE, GRW).

• Civilization Requirements
  Majors are required to take 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 the junior year, and complete special requirements during the senior year.
  To apply, the candidate must schedule an appointment with the 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.)

Dismissal Procedures
  The student must maintain a Departmental GPA of 3.5, must submit the Honors Thesis on time, and must pass the scheduled Departmental Honors Examination. Otherwise, the candidate receives no Honors.

• INTERDISCIPLINARY CLASSICAL CIVILIZATIONS (ICC) (CIP = 16.1200)

Requirements for the Major in Interdisciplinary Classical Civilizations (ICC)
  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 hrs.). The student must also maintain a 3.5 GPA within the major and a 3.3 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 3
   - CLA 3123 Roman Civilization or CLT 3102 Roman Literature in Translation 3
   - HIS 3930 Greek Archaeology or HIS 3930 Roman Archaeology or REL 3280 Biblical Archaeology 3
   - CLT 3370 Classical Mythology 3

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. 3-4 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 3
   - CLA 3123 Roman Civilization or CLT 3102 Roman Literature in Translation 3
   - HIS 3930 Greek Archaeology or HIS 3930 Roman Archaeology or REL 3280 Biblical Archaeology 3
   - CLT 3370 Classical Mythology 3

2. 12 hours beyond the BA Language Requirement in either Greek or Latin.
   - Competence in one or two ancient languages for 5 semesters of coursework is required. 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.”
   - Either
     - CLA 3103 Greek Civilization 3
     - CLT 3101 Greek Literature in Translation 3
   - Either
     - CLA 3123 Roman Civilization 3
     - CLT 3102 Roman Literature in Translation 3
     - CLT 3370 Classical Mythology 3

2. 3-4 hours from 2000-3000 level courses in Anthropology, History, Philosophy and Religious Studies selected with the guidance and approval of the Coordinator.

3. 6-8 hours from 3000-4000 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.”
   - Either
     - CLA 3103 Greek Civilization 3
     - CLT 3101 Greek Literature in Translation 3
   - Either
     - CLA 3123 Roman Civilization 3
     - CLT 3102 Roman Literature in Translation 3
2. 9-12 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, (4) Religious Studies. Courses are chosen with the guidance and approval of the Coordinator from the list certified for the major.

**MODERN LANGUAGES (FRE/GER/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: French, German, Italian, Latin, Modern Greek, Russian, and Spanish. The minor consists of 15 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.

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.

- **Chinese Language Minor (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 (18 credit hours)**
  
  CHI 3240 (4)  
  CHI 3420 (4)  
  CHT 3500 (3)  
  CHT 3103 (3) or CHT 3104 (3)

  (4 hours, choose from the following): CHI3440 Business Chinese (3), CHI4905 Directed Study (1-5 credits), CHI 3470 Overseas Study (1-6 credits), CHI 4930 Selected Topics (1-5 credits)

- **Modern Greek (GRK)**

  **Required courses for the minor (16 credit hours)**

  GRK 2220 (4)  
  GRK 2221 (4)  
  GRK 4905 (4)  
  GRK 4930 (4)

- **French (FRE) (CIP = 16.0901)**

  **Required courses for the major (15 credit hours)**

  FRE 3234 (3)  
  FRW 4100 (3)
French (IFB) with an International Studies and Business Concentration

Required courses in French for the major (15 credit hours)
- FRE 2240 (3)  
- FRE 3420 (3)  
- FRE 3500 (3)

Supporting courses in French required for the major (9 credit hours)
- Choose from the list below:
  - FRE 4421 (3)  
  - FRE 4700 (3)  
  - FRE 4930 French for Business II (3)  
  - FRE 4930 French Phonetics (3)  
  - FRE 5425 (3)  
  - FRE 5566 (3)  
- FRW 4100 (3)  
- FRW 4101 (3)

Required courses in International Studies (9 credit hours)
- CPO 2002 (3)  
- EUS 3000 (3)

Required courses in Business (18 credit hours)
- ACG 3074 (3)  
- ECO 1000 (3)  
- MAN 3025 (3)  
- MAR 3023 (3)  
- FIN 3403 (3)  
- Capstone Course (3)

Supporting courses in Business for the major (6 credit hours)
- Choose any 2 upper-level international business courses.

Required overseas study courses &/or area studies courses (6 credit hours)
- Select 6 overseas study credit hours or 3 credit hours overseas study plus 3 credit hours area studies courses planned with the advisor.

• German (GER) (CIP = 16.0501)

Requirements for the major (17 credit hours)
- GEW 4100 (3)  
- GEW 4101 (3)  
- GEW 4900 or FLE 4316 (2)  
- 9 hours of 3000, 4000, or 5000 level coursework in German

Supporting courses required for the major
- 15 hours in 2000-5000 level courses with coursework in German (taught in either German or English), including approved courses in related disciplines, planned with an advisor (max of 9 hours German taught in English).

Required courses for the minor (9 credit hours)
- 9 hours of 3000, 4000, or 5000 level coursework in German.

Supporting courses required for the minor (6 credit hours)
- 6 hours of 2000, 3000, 4000, or 5000 level with coursework in German (taught in either German or English, max. 3 hours taught in English, max 3 hours in 2000 level).

• Italian (ITA) (CIP = 16.0902)

Required courses for the major (15 credit hours)
- ITA 2240 (3) or ITA 2241 ITT 3504 (3) ITW 4100 (3)  
- ITA 3420 (3) ITW 4101 (3) or ITT 4505 (3)

Supporting courses required for the major
- 17 hours in 3000 or 4000 level courses, including approved courses in related disciplines, planned with the advisor.

Required courses for the minor (6 credit hours)
- ITA 2240 (3)  
- ITA 3420 (3)

Supporting courses required for the minor
- 9 hours in 3000 or 4000 level courses except courses in translation.
• **Russian (RUS) (CIP = 16.0402)**

  **Required courses for the major** (14 credit hours)
  - RUS 3240 (4)
  - RUT 3110 (3)
  - RUS 4241 (4)
  - RUT 3111 (3)

  **Supporting courses required for the major**
  18 hours in 3000 or 4000 level courses planned with the advisor.

  **Required courses for the minor** (8 credit hours)
  - RUS 3240 (4)
  - RUS 4241 (4)

  **Supporting courses required for the minor**
  8 hours in 3000 or 4000 level courses.

• **Spanish (SPA) (CIP = 16.0905)**

  **Required courses for the major** (33 credit hours)
  **Language** (6 hours)
  - SPN 3300* Advanced Grammar and Composition (3)
  - SPN 4301 Expository Writing (3)
  **Literature** (9 hours)
  - SPW 3030 Introduction to Hispanic Literature (3)
  One of:
  - SPW 4100 Survey of Spanish Literature I
  - SPW 4101 Survey of Spanish Literature II
  One of:
  - SPW 4130 Survey of Spanish American Literature (3)
  - SPW 4131 Survey of Spanish American Literature II (3)
  **Civilization** (6 hours)
  - SPN 3500 Spanish Civilization (3)
  - SPN 3520 Spanish American Civilization (3)

  **Supporting courses required for the major**:
  Select 12 hours in 3000, 4000 or 5000 level courses with SPN or SPW prefix and may include one course (3 hours) of Spanish/Spanish American Literature in translation. Two of these electives must be at the 4000 level. All electives must be approved by department advisor prior to enrollment.

  *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.

  **Required courses for the minor** (18 credit hours)
  - SPN 3300* Advanced Grammar and Composition (3)
  - SPN 4301 Expository Writing (3)

  **Supporting courses required for the minor**
  12 hours in 3000, 4000 or 5000 level courses with SPN or SPW prefix; may include one course (3 hours) of Spanish/Spanish American Literature in translation. Two of these courses must be at the 4000 level. All electives must be approved by department advisor prior to enrollment.

  *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.

**Spanish (ISB) with an international studies and business concentration**

**Required courses in Spanish for the major** (18 credit hours)
- SPN 3330 (3)
- SPN 3440 (3)
- SPN 3441 (3)
- SPN 3520 (3)
- SPN 3520 (3)
- SPN 4301 (3)*
- SPN 4410 (3)
- SPN 3500 (3)
- SPN 3500 (3)

*SPN 3300 is the prerequisite to SPN 4301. 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)
  Choose from the list below:
  - SPN 2340 (3)
  - SPN 2341 (3)
  - SPN 4700 (3)
  - SPW XXXX (3)
  - SPW 3030 (3)
  - SPW 4100 (3)
  - SPW 4101 (3)
  - SPW 4130 (3)
  - SPW 4131 (3)

**Required courses in International Studies** (9 credit hours)
  - CPO 2002 (3)
  - INR 1015 (3)
CPO 4930 Comparative Government & Politics (3)

Required courses in Business (18 credit hours)

- ACG 3074 (3)
- ECO 1000 (3)
- MAN 3025 (3)
- MAR 3023 (3)
- FIN 3403 (3)

Supporting courses in Business for the major (6 credit hours)

- Choose any 2 upper-level international business courses.

Required overseas study courses and/or area studies courses (6 credit hours)

- Select 6 overseas study credit hours or 3 credit hours overseas study plus 3 credit hours area studies courses planned with the advisor.

**TRACK IN INTERNATIONAL STUDIES (LATIN AMERICA) WITH A LANGUAGE (SPANISH) & BUSINESS CONCENTRATION**

Required International Studies courses (15 credit hours)

- CPO 2002 (3)
- CPO 4930 (3)
- INR 2002 (3)

International Studies electives (3 credit hours)

- Choose from the list below:
  - INR 3018 (3)
  - INR 3202 (3)

Required courses in Spanish (12 credit hours)

- SPN 3440 (3)
- SPN 3500 (3)
- or
- SPN 4301 (3)

Required courses in Business for the major (18 credit hours)

- ACG 3074 (3)
- ECO 1000 (3)
- MAR 3023 (3)
- MAN 3025 (3)
- FIN 3403 (3)

Supporting courses in Business for the major (6 credit hours)

- Choose any two upper-level international business courses

Required overseas study courses & area studies courses (9 credit hours)

- Select 3 overseas study credit hours or 3 credit hours overseas plus 6 credits area studies planned with an advisor (2 courses from International Studies or other departments).

**World Languages Faculty**

STUDENT ORGANIZATIONS IN THE COLLEGE OF ARTS AND SCIENCES

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 - To enhance the students' knowledge of chemistry and chemistry related fields. For further information please call (813) 974-2144, CHE 205.

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.

Classical Society – Open to all USF students and established to promote interest in the ancient world, provide educational and social events among students and faculty, and to foster the Classical heritage of the modern world. For more information, go to the 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.

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.

Economics Scholars Society - To promote and develop the application of economic concepts within the student body and provide a social basis for interaction. For further information visit BSN 3432 or call (813) 974-4252.

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.

Feminist Student Alliance – Is a feminist organization for social equality and achieves its aim through activism around campus and in our community.

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.

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...
German 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.

Humanities & Cultural Studies Organization
The Humanities and Cultural Studies Organization (HCSO) provides numerous opportunities and services to USF students as well as to our surrounding community. HCSO works to develop advantageous academic and social opportunities, such as developing better relationships between students and professors within the department, offering students a chance to share their ideas for the department with the staff, and educating other university students and the community about what the humanities and cultural studies are all about, in hopes of further growing the department and its abilities. HCSO also provides a number of extracurricular cultural, learning, and social activities such as hosting guest speakers and lecturers including professors, authors, and artists, setting up study groups to help students prepare for exams and better retain course material, attending and arranging cultural activities, and participating in community service. As a whole, through educational, practical, and fun events, HCSO 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.

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.

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.cas.usf.edu/history.

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
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.

Student Broadcasting Association - To give students with an interest in television/radio journalism hands-on experience and the opportunity to produce a news program for public access television. For further information please go to CIS 3005.

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.