

# COLLEGE OF ARTS AND SCIENCES

UNIVERSITY OF SOUTH FLORIDA - 2010/2011 UNDERGRADUATE CATALOG

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 essences 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](mailto:jones@cas.usf.edu). The office is located in NES 305.

## Undergraduate Advising Information

Advising in the College of Arts and Sciences is decentralized. Students are advised by academic advisors in the department of their major. For a list of advisors, consult "Academic/Students" on the College of Arts and Sciences web page <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.

### Office Hours

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. Liberal Studies and Mass Communications are *limited access degree programs* and have 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 be obtained from the Office of Graduate and Undergraduate Studies (BEH 201), College of Arts and Sciences, University of South Florida, Tampa, Florida 33620, or visit our web site at <http://www.cas.usf.edu>.

**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	6
b. Mathematics and Quantitative Reasoning (Calculus is required)	6
c. Natural Sciences	6
d. Social and Behavioral Sciences	6
e. Human Cultural Diversity Global Context	3
f. Fine Arts	3
g. Humanities	6
	<b>36</b>

Exit Course Requirements

a. The Capstone Cours	3
b. The Writing Intensive Course	<u>3</u>
<b>Total</b>	<b>6</b>

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.
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)
- Anthropology (ANT)
- Chemistry (CHM)
  - Biochemistry Concentration (CBY)
  - Health Professions Concentration (CHH)
- 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)
  - English and American Literature (LIT)
  - Professional and Technical Writing (CWT)
- Geography (GPY)
- Geology (GLY)
- Government and International Affairs
  - International Studies (INT)
  - Political Science (POL)
- History (HTY)
- Humanities and American Studies
  - American Studies (AMS)
  - Humanities (HUM)
- Interdisciplinary Social Sciences (ISS)
- Liberal Studies (ALA)
- 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)  
 Psychology (PSY)  
 Religious Studies (REL)  
 Sociology (SOC)  
 Statistics (STC)  
 Women's Studies (WST)  
 World Languages  
     Classics (CLS)  
     French (FRE)  
         French International Studies & Business Concentration (IFB)  
     German (GER)  
     Interdisciplinary Classical Civilizations (ICC)  
     Italian (ITA)  
     Russian (RUS)  
     Spanish (SPA)  
         Spanish International Studies & Business Concentration (ISB)

### **BACHELOR OF SCIENCE (B.S.)**

Cell Biology, Microbiology, and Molecular Biology  
     Biology (BIO)  
     Microbiology (MIC)  
 Chemistry  
     Chemistry (CHS)  
     Biomedical Sciences (BMS)  
     Medical Technology (MET)  
     Interdisciplinary Natural Sciences (INS)  
 Environmental Science and Policy (ESP)  
 Geology (GLS)  
 Integrative Biology  
     Biology (BIO)  
     Marine Biology Concentration (MRN)  
 Physics (PHS)

## **Honors Programs**

The College of Arts and Sciences offers undergraduate honors programs in Anthropology, Biology, 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](mailto:jones@cas.usf.edu), (813) 974-8452.

### **Institute for the Study of Latin America and the Caribbean (ISLAC)**

*Location/Phone:* CPR 474, (813) 974-3547

*Email:* [islac.assistant@iac.usf.edu](mailto:islac.assistant@iac.usf.edu)

*Web Site:* <http://global.usf.edu/islac/>

The mission of ISLAC is to promote the study of Latin America and the Caribbean, to further 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, framing these issues in the broader context of human security in the Americas. ISLAC has 72 affiliate faculty members who are drawn from a number of social science, humanities, arts, and human service fields, including, but not limited to, History,

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Languages and Literature, Humanities, Anthropology, Political Science, Sociology, Economics, Business, Geography, Public Administration, Fine Arts, Public Health, Education and Mental Health.

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, as well as USF students and non-degree seeking students who have already obtained a BA. ISLAC also offers a Graduate Certificate in Cuban Studies and 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, through partnerships with community organizations and USF departments to sponsor lectures and cultural events that are open to the public throughout the year. 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 further designed, through its internship hours, to enhance the student's academic and professional growth and development.

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 program Coordinator. 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. Student is to schedule course and internship hours in consultation with Certificate program Coordinator.

Required Core Courses:	Credit Hours
AFS 3153 African Literature Survey	3
AML 3604 African American Literature	3
AFA 4931 Afro-Diasporic Literature and Political Movements	3
ENG 4013 Literary Criticism	3

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

AFA 4931 Internship	3
AML 4303 Zora Neale Hurston	3
AML 4624 Black Women Writers	3
WST 4410 Postcolonial Women Writers	3

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 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.
2. At least two courses must be from 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) ARH 4796 (4)

*Humanities:*

HUM 3271 (4) HUM 3273 (4) HUM 4402 (4)

HUM 4404 (4) HUM 4405 (4)

*Languages:*

CHI 1120 (4) CHI 1121 (4) CHI 2200 (4)

CHI 2201 (4) CHI 4905 (1-5) CHI 4930 (1-5)

JPN 1120 (4)      JPN 1121 (4)      JPN 2000 (3)  
 JPN 2201 (3)      JPN 4905 (1-5)      JPN 4930 (1-5)

*Religion:*

REL 3330 (3)      REL 4343 (4)      REL 3350 (3)  
 REL 4333 (4)      REL 4344 (4)

**Group B***Geography:*

GEA 3194 (4)\*

*History:*

ASH 3404 (4)      ASH 3501 (4)

*Int'l Studies:*

ASN 3012 (3)      ASN 3014 (3)      ASN 3105 (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 Raheleh Dayerizadeh. She may be contacted at [rdayeriz@cas.usf.edu](mailto:rdayeriz@cas.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 2.5 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 [griber@cas.usf.edu](mailto:griber@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  
 GET 3524 German Popular Film  
 GET 4523 New German Cinema to Present  
 HUM 4930 Selected Topics in Humanities\*  
 ITT 3540 Italian Culture through Film  
 INR 4931 Selected Topics\*  
 LAS 3116 Latin America through Film

\*Please see academic advisor for appropriate General Foreign Language and Special/Selected Topics courses.

Group II (Film Medium & History) :

Students will take 3-4 credits of elective courses chosen from the following list:

ENG 3113 The Movies as Narrative Art

FIL 2000 Film: The Language of Vision  
FIL 3427C Beginning Film  
FIL 3845 World Cinema  
THE 2252 Great Performances on Film

Group III (Socio-Political & Historical Perspectives) :

Students will take 3-4 credits of elective courses chosen from the following list:

AMS 4152 Film in American Culture  
ARH 4744 Selected Topics in the History of Film  
LAH 2733 Latin American History in Film  
REL 3111 The Religious Quest in Contemporary Films  
REL 3170 Religion, Ethics and Society through Film  
SYG 3011 Social Problems through Film  
WST 4335 Women and Film

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

## **CERTIFICATE IN 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](mailto: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), Humanities (HUM) or History (HIS). However, only one course will be allowed from each department.

III. Elective Courses:

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

Anthropology:

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

Art History:

- ARH 4318 Venetian Art [instructor's consent]

English:

- LIT 4930 Special Topics in English Studies\*

Government and International Affairs:

- POT 4936 Selected Topics in Political Theory\*

History:

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

Humanities:

- HUM 4437 Italian Renaissance Culture
- HUM 4930 Selected Topics in Humanities\*

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 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](mailto: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](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@cas.usf.edu](mailto:probes@cas.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**

- FRE 3230 Reading in French Literature and Culture
- FRE 3440 French for Business
- FRE 3500 French Civilization
- FRW 4100 Introduction to French Novel
- FRW 4101 Introduction to French Drama and Poetry
- FRE 4905 Directed Study
- FRE 4930 Selected Topics

**GERMAN**

- GER 3500 German Civilization
- GET 3100 German Literature in English
- GET 3290 Fantastic Films of Early German Cinema
- GEW 4100 Survey of German Literature I
- GEW 4101 Survey of German Literature II
- GEW 4900 Directed Study
- GEW 4930 Selected Topics

**ITALIAN**

- ITW 4100 Survey of Italian Literature I
- ITW 4101 Survey of Italian Literature II
- ITW 4905 Directed Study

**SPANISH**

- SPN 3440 Spanish for Business
- SPN 3441 Advanced Spanish for Business Writing
- SPN 3500 Spanish Civilization
- SPW 3030 Introduction to Hispanic Literature
- SPW 4100 Survey of Spanish Literature I
- SPW 4101 Survey of Spanish Literature II
- SPW 4900 Directed Study
- SPW 4930 Selected Topics

**G. Philosophy**

- PHH 3420 History of Philosophy
- PHH 4440 Continental Philosophy
- PHM 4331 Modern Political Philosophy
- PHP 3786 Existentialism
- PHP 4410 Kant
- PHP 4740 The Rationalists
- PHP 4745 The Empiricists

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

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

**CERTIFICATE IN RUSSIAN STUDIES**

The College of Arts and Sciences offers this certificate through the collaboration of the Departments 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. It is designed for majors in any field who wish to gain a deeper insight into the multi-faceted Russian world in contemporary and historical perspectives.

The student and the coordinator will plan the individual course of study, which requires from 23 to 25 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 cumulate GPA of 3.0 in the certificate course work is required. Please contact Professor Victor Peppard at World Languages, CPR 418, phone (813) 974-2012, e-mail: [peppard@cas.usf.edu](mailto:peppard@cas.usf.edu) or Professor Darrell Slider at SOC 381, phone (813) 974-9378, e-mail: [dslider@cas.usf.edu](mailto:dslider@cas.usf.edu).

**Requirements**

- I. Language: All students are encouraged to develop their language skills to the highest possible level. Non-heritage speakers should complete at least RUS 2200 (Russian III), and heritage speakers should complete one semester of RUS 4900 Analytical Reading.
- 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 Russian/Eurasian or related area.

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 2 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)

Courses may have prerequisites within the discipline.

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

## 2) Methods Courses (select 1 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)
POS 3713 Empirical Political Analysis	(3)
STA 2122 Social Science Statistics	(3)
SYA 3300 Research Methods	(3)
SYA 3310 Qualitative Inquiry	(3)
GEO 3164C Quantitative Methods	(4)
GIS 3006 Computer Cartography	(4)

Courses may have prerequisites within the discipline.

## 3) Electives (select 4 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)

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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)
<b>Anthropology</b>	
ANT 4316 Ethnic Diversity in the U.S.	(3)
ANT 4701 Applied Anthropology	(3)
ANT 4930 Special Topics in Anthropology (when applicable)	(3)
<b>Communication</b>	
SPC 3710 Communication and Cultural Diversity	(3)
SPC 4714 Communication, Culture and Community	(3)
<b>Criminology</b>	
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)
<b>Economics</b>	
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)
<b>Geography</b>	
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)
<b>History</b>	
AMH 3423 Modern Florida	(4)
AMH 3500 American Labor History	(4)
AMH 3530 Immigration History	(4)
AMH 3572 African American History since 1865	(3)
<b>Political Science</b>	
POS 2112 State & Local Government and Politics	(3)
POS 3182 Florida Politics and Government	(3)
POS 5155 Issues of Urban Government and Politics	(3)
<b>Public Administration</b>	
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)
<b>Social Work</b>	
SOW 3210 The American Social Welfare System	(3)
<b>Sociology</b>	
SYO 3120 Sociology of Families	(3)
SYO 3530 Social Inequalities in a Global Society	(3)
SYD 3700 Racial and Ethnic Relations	(3)
SYP 4111 Identity and Community	(3)
SYP 4420 Consumer Culture	(3)
SYP 4510 Sociological Aspects of Deviance	(3)
SYP 4530 Sociology of Juvenile Delinquency	(3)
4) Internships (1 of the following can be substituted as an ELECTIVE)	
CCJ 4940 Internship for Criminal Justice Majors	(3)
IDS 4942 Community Internship	(3)
IDS 4956 International Community Internship	(3)
POS 4941 Field Work	(3)

SYA 4949 Sociological Internship

(3)

See: Robin R. Jones, NES 305, (813) 974-8452, jones@cas.usf.edu.

## CERTIFICATE IN WOMEN'S SPIRITUALITY

The Undergraduate Certificate in Women's Spirituality is designed through the collaboration of Women's Studies and Religious Studies for majors in any field who wish to understand women's experiences in relation to diverse spiritualities, past and present. This program is intended for all students who have an interest in spirituality and personal growth. The Women's Spirituality Certificate complements a wide range of undergraduate majors and professional careers. The Certificate is also valuable for non-degree seeking students interested in personal development and spiritual inquiry.

Students are required to take 15 credit hours from a list of courses approved for the certificate. Other courses would need the approval of the advisor.

Relevant Study Abroad Programs in India/Asia may be credited with at least 3 semester hours toward the certificate.

### Courses (15 credits)

REL 3132 Witchcraft and Paganism in America	(3)
REL 3145 Women and Religion	(3)
REL 3146 Womanist Vision in Religion	(3)
REL 3335 Gods and Goddesses in India	(3)
REL 3391 In Search of the Goddess	(3)
REL 3936 Women in Islam	(3)
REL 4218 Women and the Bible	(3)
REL 4930 Selected Topics*	(3)
SYA 4930 Religion and Sexuality	(3)
WST 4930 Selected Topics*	
WST 4930 Women's Spiritual Memoirs*	(3)
WST 4930 Transformations in Consciousness	(3)

Other Selected Topics courses with REL and WST prefixes as approved by the advisor.

Other courses may be substituted for those listed above upon approval of the advisor in either Women's Studies or Religious Studies.

## 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, Shriners' Hospital for Children, H. Lee Moffitt Cancer Center and Research Institute, University of South Florida Mental Health Institute, and University Community Hospital 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 professional schools of medicine, osteopathic medicine, chiropractic medicine, dentistry, optometry, podiatry, veterinary medicine, pharmacy, physician assistant, and physical therapy. Most of these professions require four years of preprofessional 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 preprofessional work. The preprofessional programs do not meet requirements for a degree; therefore, students must choose a major in addition to fulfilling their pre-professional requirements. Most preprofessional students major in biology, biomedical sciences, or chemistry because of their interests in the health sciences, and the considerable overlap between the preprofessional 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 in Florida, please see our health professions website at: [http://www.cas.usf.edu/health\\_professions](http://www.cas.usf.edu/health_professions).

- Medical  
For information regarding the USF Medical program, please visit <http://hsc.usf.edu/medicine>.
- Dental
- Optometry
- Physical Therapy  
For information regarding the USF Physical Therapy program, please visit <http://dpt.hsc.usf.edu>.
- Veterinary Medicine

- Pharmacy
- Physician Assistant

### Requirements for Health Professions Schools

These courses prepare students for admission to professional schools of chiropractic medicine, dentistry, medicine, osteopathic medicine, podiatric medicine, optometry, veterinary medicine, physical therapy, 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. Degree 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 2.0 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)
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*Plus* either the second semester of a calculus sequence

OR

STA 2023	Introductory Statistics I	(4)
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4. Completion of the University's General Education and Exit 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 PROGRAMS

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)

Africana Studies is a liberal arts program offering a major, a minor, and a certificate. This program provides all students with the opportunity to study the history, culture and lived experiences of people of African descent in the United States, Africa, the Caribbean, and elsewhere; study the influence of Africa and people of African descent on world and U.S. thought, culture, and politics; study the social construction and consequences of race and racism; develop needed critical thinking skills to address the often narrow and Eurocentric bias in the current knowledge base; and examine their personal experiences, prejudices, and potential contributions in a multi-racial, multi-cultural society.

Students who major or minor in Africana Studies have the option of emphasizing African American Studies, African Studies, or African and African Diaspora Studies (including the Caribbean). In addition to the minor, students have the option of earning an Undergraduate Certificate in Africana Literatures. Admission to the Africana Studies major, minor, or Certificate is open to all students who have been duly admitted to the University of South Florida.

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

The department encourages students to 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 you transfer with fewer than 60 semester hours of acceptable credit, you must meet the University's entering first-year student requirements, including ACT or SAT test scores, GPA, and course requirements.

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.

AFA 2000	Introduction to the Black Experience In Africa & Its Diaspora	3
AFS 2250	Culture and Society in Africa	3
AMH 3571	African-American History I	3
AMH 3572	African-American History II	3

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

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.

### Requirements for the Major in Africana Studies

Beyond the recommended prerequisites, the major in Africana Studies consists of a minimum of 36 hours:

Major requirements for the B.A. Degree (36 Credit Hours) Core Courses:

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

Within the 21 remaining credit hours, students may choose to emphasize African American Studies, African Studies or African and African Diaspora Studies (including the Caribbean). Students should speak with a departmental advisor regarding this aspect of their program.

### Requirements for the Minor in Africana Studies

Major requirements for the Minor (18 Credit Hours)

Core Courses:

AFA 2000	Introduction to the Black Experience in Africa and its Diaspora	(3)
AFH 3100	African History to 1850(3) <b>OR</b> AFH 3200 African History since 1850	(3)
AMH 3571	African-American History to 1865(3) <b>OR</b> AMH 3572 African-American History since 1865	(3)

As with the major, students may choose to develop within the 9 remaining credit hours an area of emphasis in African American Studies, African Studies, or African and African Diaspora Studies (including the Caribbean). Please meet with a departmental advisor regarding this aspect of your program.

### • ANTHROPOLOGY (ANT)

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://www.cas.usf.edu/anthropology/index.html>.

**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 2.5 GPA in all courses counted toward the major. In addition, students must have a minimum C (2.0) grade in the senior core course ANT 4034. A C- grade is not acceptable. 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 courses from at least three of the four subfields shown below. 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.

**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****Archaeology**

ANT 4142 Old World Archaeology	(3)
ANT 4143 European Archaeology	(3)
ANT 4147 Environmental Archaeology	(3)
ANT 4153 North American Archaeology	(3)
ANT 4158 Florida Archaeology	(4)
ANT 4165 South American Archaeology	(3)
ANT 4163 Mesoamerican Archaeology	(3)
ANT 4172 Historical Archaeology	(3)
ANT 4180 Laboratory Methods in Archaeology	(2-4)
ANT 4181 Museum Methods	(4)
ANT 4183C Archaeological Science	(4)
ANT 4195 Fantastic Archeology	(3)
ANT 4824 Archaeological Field Methods	(4-12)

**Biological Anthropology**

ANT 4520 Forensic Anthropology	(4)
ANT 4586 Prehistoric Human Evolution	(3)
ANT 4587 Human Variation	(3)

**Anthropological Linguistics**

ANT 4620 Language and Culture	(3)
ANT 4750 Language and Social Interaction	(3)

**Cultural Anthropology**

ANT 4231 Folklore	(3)
ANT 4241 Magic and Religion	(3)
ANT 4285 Oral History	(3)
ANT 4302 Gender in Cross-Cultural Perspective	(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 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 4701 Applied Anthropology	(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)
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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 three 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 (3-6 credit hours)

- 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, anthropological linguistics 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 a letter 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.

**• BIOLOGY (BIO/MIC)**

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 Bachelor Science degree in Biology is offered jointly by the two departments. 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). Effective Fall 2010, all incoming students will be required to choose one of the concentrations listed above 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 vigorous advising program maintained by the departments in structuring their programs.

**Minimum requirements for Majors**

A student must receive a "C-" grade or better in all Department of Integrative Biology 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. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

Please note that some supporting science courses may require a "C" (2.0) 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 for the major 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. 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 for the major by the beginning of Fall 2009, 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.

**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

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

Minimum: 40 credit hours

### 1. Required Courses [29 hrs]:

- 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 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 3043 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.]

- PCB 3712 General Physiology (3)  
PCB 4843 Principles of Neuroscience (3)  
ZOO 4753 Human Histology and Histopathology (4)  
ZOO 4695 Developmental Biology (4)  
MCB 3020C General Microbiology (4)  
BOT 4434C Mycology (3)  
PCB 4663 Human Genetics (3)  
BSC 5420 Genetic Engineering (3)  
BSC 4458 Bioinformatics (3)  
PCB 5616 Molecular Phylogenetics (3)  
PCB 4522 Experimental Genetics (3)  
BSC 4910 Undergraduate Research (1-4)  
BSC 4933 Selected Topics (1-4)  
BSC 4905 Independent Study (1)

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

- 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 (4) may be substituted for any Calculus II

d. 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. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

## REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR WITH A CONCENTRATION IN ENVIRONMENTAL BIOLOGY

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 Environmental Biology – minimum 40 credit hours.

Required Courses – ECOLOGY AND BIODIVERSITY TRACK [25-26 hrs]:

- |   |     |
|---|-----|
| 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 hrs]:

- 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 (3) OR  
 MCB 5655 Applied and Environmental Microbiology (3) OR  
 BSC 4933 Microbiology of Waterborne Pathogens (3) OR  
 BSC 4933 Ecology of Infectious Diseases (3) OR  
 BSC 4933 Parasitology (3)

Required Courses – ENVIRONMENTAL PLANT BIOLOGY TRACK [26-27 hrs]:

- 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)  
 BOT 3373C Vascular Plants Form and Function (4)  
 BSC 4933 Plant Ecology (3)
- c. One of the following  
 BOT 4152C Field Botany (3) OR  
 PCB 3712 General Physiology (3) AND  
 PCB 3713L General Physiology Laboratory (1)

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) of 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 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 (4) may be substituted for any Calculus II
- 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. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

### REQUIREMENTS FOR THE BIOLOGY B.S. MAJOR WITH A CONCENTRATION IN INTEGRATIVE ANIMAL BIOLOGY

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 hrs]:

- 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 2093C Human Anatomy and Physiology I (4) and  
 BSC 2094C Human 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



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- 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) and  
PCB 3713L General Physiology Laboratory (1)
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) of 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 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 (4) may be substituted for any Calculus II
  - 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. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

## 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 hrs]

- 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) 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 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 (4) may be substituted for any Calculus II
- 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. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

### Requirements for the Microbiology B.S. Major (MIC)

#### 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
- a. 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)
- b. 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)
- c. 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)  
 MCB 5206 Public Health and Pathogenic Microbiology (3)  
 MCB 5655 Applied and Environmental Biology (3)  
 MCB 5815 Medical Mycology (3)  
 \*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 hours of Biology courses must be taken in residency and be applicable to the major.
2. 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 (4)  
 may be substituted any Calculus II
- d. 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)

3. Meet all College and University requirements.

- **CHEMISTRY (CHS/CHM/BMS/INS/MET)**

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 28 full time members 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 Science is particularly designed for students wishing to continue with graduate training in chemistry and closely allied disciplines and graduates are certified for membership in 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), courses 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 degree. 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 which includes seven credits of Chemistry coursework applicable to the BMS major.

*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 the transfer. Even though courses may carry the same common course number, topics may vary sufficiently 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)
- 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 (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 (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 (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.

Appeals to the required change of major will be handled in the department of the student's major and ONLY those students whose appeal is based on exceptional circumstances will be considered.

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.

CHM X045/X045L General Chemistry I (with lab) **or** CHM 1040&1041, **or** 1045C, **or** 1045E  
 CHM X046/X046L General Chemistry II **or** CHM 1046C, **or** 1046E  
 MAC 2311 Calculus I **or** MAC 2281 Eng Calculus I  
 MAC 2312 Calculus II **or** MAC 2282 Eng Calculus II

CHM 2210/2210L Organic Chem I & Lab **or** CHM 2210C  
 CHM 2211/2211L Organic Chem II & Lab **or** CHM 2211C

**OR**

PHY 2048/2048L Gen Physics I & Lab **or** PHY 2048C, **or** PHY 2053C  
 PHY 2049/2049L Gen Physics II & Lab **or** PHY 2049C, **or** PHY 2054C

### **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)

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)
CHM 3120C Elementary Analytical Chemistry I	(4)
CHM 3610 Intermediate Inorganic Chemistry I	(3)
CHM 3610L Intermediate Inorganic Chem. I Lab	(1)
CHM 4410 Physical Chemistry I	(4)
CHM 4413 Biophysical Chemistry	(3)

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## 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, CHS 4300, CHM 4060, CHM 4070, CHM 4130, CHM 4411, CHM 4410L, CHM 4611, CHM 4970, CHM 4932\*, CHS 4301L.

\*Content varies each semester.

## Required Supporting Courses (14-16 credit hours)

MAC 2311 (4)	)	or	(	MAC 2281 (3)
MAC 2312 (4)				MAC 2282 (3)
PHY 2053 (3)				PHY 2054 (3)
PHY 2053L (1)				PHY 2054L (1)

Required natural science or engineering electives (8 credit hours) Suggested courses: BSC 2010, BSC 2011, GLY 2010, GLY 2100, EVR 2001, CGS 2060, STA 2023.

## BA in Chemistry, emphasis in Biochemistry (CHM)

The Chemistry B.A. offers a unique opportunity for students to pursue later studies and/or professional emphasis in Biochemistry and Biotechnology 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 and biotechnology. Prerequisites are included in the list below.

## Required Chemistry Courses

(30 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	(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 hrs. selected from the following:

CHM 3610 Intermediate Inorganic Chemistry I*	(3)
CHM 3610L Intermediate Inorganic Chem. I Lab*	(1)
CHM 4060 Use of the Chemical Literature	(1)
CHM 4300 Biomolecules I	(3)
CHM 4070 Historical Perspectives in Chemistry	(3)
CHM 4410 Physical Chemistry I	(4)
CHM 4410L Physical Chemistry Lab	(1)
CHM 4413 Biophysical Chemistry	(3)
CHM 4411 Physical Chemistry II	(4)
CHM 4932 Selected 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 Biochemistry track of the Chemistry B.A. degree.

## Required Supporting Courses (22 - 24 credit hours)

MAC 2311 (4)	)	or	(	MAC 2281 (4)
MAC 2312 (4)				MAC 2282 (4)
PHY 2053 (3)				PHY 2054 (3)
PHY 2053L (1)				PHY 2054L (1)
BSC 2010 (3)				PCB 3023 (3)*
BSC 2010L (1)				PCB 3023L (1)

\*BSC 2011, 2011L are required as pre-requisites to this course.

Other suggested electives important for advanced studies in biochemistry: CHM 4932\*, CHM 4070, PCB 3063, PCB 5235, PCB 5525, STA 2023, MCB 3020, MCB 4502, PCB 4253, PCB 5845, EVR 2001.

\*Content varies each semester.

### BA in Chemistry, emphasis for Health Professions (CHM)

A chemistry core is essential for preparation for medical, dental, veterinarian and other health related professions. The B.A. in Chemistry includes this core as well as the flexibility to incorporate the other science courses required for admission to programs in the health professions. The course of study outlined below incorporates the goals for health related careers. Prerequisites are included in the list below.

<i>Required Chemistry Courses</i>	(30 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	(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)
CHS 4300 Fundamentals of Clinical Chem.	(3)
CHS 4301L Fundamentals of Clinical Chem. Lab	(2)

<i>Required Chemistry Electives</i>	(9 credit hours)
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 Chem 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)

<i>Required Supporting Courses</i> (22-24 credit hours)	
MAC 2311 (4)	or ( MAC 2281 (4)
MAC 2312 (4)	MAC 2282 (4)
PHY 2053 (3)	PHY 2054 (3)
PHY 2053L (1)	PHY 2054L (1)
BSC 2010 (3)	BSC 2010L (1)
PCB 4723 (3)	or ( PCB 3023 (3)
PCB 4723L (1)	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, CHM 4932\*, PCB 4253, PCB 5845.

\*Content varies each semester.

### BS in Chemistry (CHS)

The Bachelor of Science in Chemistry is a rigorous program that supplies the foundation in chemistry required for both the student who begins a chemical vocation immediately upon graduation as well as the one who pursues advanced study in chemistry or related areas. In accord with this goal, the curriculum for the B.S. degree in Chemistry meets the requirements for degree certification by the American Chemical Society. Because of the strong base developed in this curriculum, the B.S. in Chemistry also provides entry into other chemistry related advanced studies. Prerequisites are included in the list below.

<i>Required Chemistry Courses</i>	(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	(2)
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 Chem. 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)*

MAC 2311 (4)	} or {	MAC 2281 (3)
MAC 2312 (4)		MAC 2282 (3)
MAC 2313 (4)		MAC 2283 (3)
PHY 2048 (3)		PHY 2049 (3)
PHY 2048L (1)		PHY 2049L (1)

*Required natural science or engin. elective (3-6 hours)*

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

or

2 - 2000 level courses (BSC 2010, BSC 2011, GLY 2010, GLY 2100, EVR 2001, CGS 2060, CGS 2100, EGN 2210)

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.

<i>Required Chemistry Courses</i>	(14 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	(2)
CHM 4060 Use of Chemical Lit.	(1)

*Chemistry Electives* (Minimum 10 hours)

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

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

BCH 3023 Introductory Biochemistry	(3)
BCH 3023L Basic Biochemistry Lab	(2)
CHM 2211 Organic Chemistry II	(3)
CHM 2211L Organic Chemistry II Lab	(2)
CHM 3120C Elementary Analytical Chemistry	(4)
CHM 3610 Intermediate Inorganic Chemistry	(3)
CHM 3610L Intermediate Inorganic Chem. Lab	(1)
CHM 4300 Biomolecules	(3)
CHM 4410 Physical Chemistry I	(4)
CHM 4410L Physical Chemistry Laboratory	(1)
CHM 4411 Physical Chemistry II	(4)
CHM 4413 Biophysical Chemistry	(3)

CHM 4932	Selected Topics in Chemistry*	(1-3)
CHS 4300	Fund. Clinical Chemistry	(3)

\*Note: CHM 4932 content varies each semester. Recent topics include: Medicinal Chemistry, Applied Spectroscopy, NMR, Toxic Substances, Natural Products, Antibiotics, Analytical Environmental Methods, Chemistry of Materials, Polymer Chemistry, Spectroscopy, & Computer in Chemistry.

### BIOMEDICAL SCIENCES (BMS)

Biomedical Sciences is designed to fulfill the major requirements for professional schools in the Health Sciences (e.g. Medicine, Pharmacy, Medicine, Dentistry). 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 college, they must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

BSC X010, X010L & BSC X011, X011L Biology I and II with Lab	8
<b>and</b>	
CHM X045 & CHM X045L General Chemistry & Lab	4
CHM X046 & CHM X046L General Chemistry II & Lab	4
CHM X210 & CHM X210L Organic Chemistry & Lab	4
CHM X211 & CHM X211L Organic Chemistry II & Lab	4
<b>and</b>	
PHY X053 & X053L General Physics I & Lab	4
<b>or</b>	
BSC X093 Human Anatomy & Physiology I	4
<b>and</b>	
PHY X054 & X054L General Physics II & Lab	4
<b>or</b>	
BSC X094 Human Anatomy & Physiology II	4
<b>and</b>	
MAC X241 Life Sciences Calculus	4
<b>or</b>	
MAC X311 Calculus I	4
<b>and</b>	
MAC X242 Life Sciences Calculus II	4
<b>or</b>	
MAC X312 Calculus II	4
<b>or</b>	
STA X023 Introductory Statistics I	3
<b>or</b>	
STA X122 Social Science Statistics	3
<b>or</b>	
Equivalent	

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university. This is a non-limited access program with the above courses recommended.

#### Tier 1 - Required Biology and Chemistry Courses:

##### Biology:

BSC 2010 Biology I - Cellular Processes	(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)

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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	(4)
<b>or</b>	
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 hrs 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)
PCB 3013 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 Elem. 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 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 4243

### INTERDISCIPLINARY NATURAL SCIENCES (INS)

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 General Education Requirements thereby transferring maximum hours to the university. If students transfer with fewer than 60 semester hours of acceptable credit, the students must meet the university's entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

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

Students 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 General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

Biology I and Biology II (BSC 2010, 2010L, BSC 2011, 2011L)	8
Calculus (MAC 2241, MAC 2242 or MAC 2311, MAC 2312 or MAC 2281 and MAC 2282)	8
General Chemistry (CHM 2045, CHM 2045L, CHM 2046, CHM 2046L)	8
General Physics (PHY 2053, PHY 2053L, PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, PHY 2049, PHY 2049L)	8
Introduction to Physical Geology and History of the Earth and Life (GLY 2010, GLY 2000L, GLY 2100, GLY 2100L)	8

### 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, 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)

Geology I and II

(GLY 2010, 2000L and GLY 2100, 2100L)

Physics I and II

(PHY 2053,2053L, 2054, 2054L, or PHY 2048, 2048L, 2049, 2049L)

### TIER 2

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)

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, Orlando, 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 2.5, and our students admitted to clinical programs in recent years have had a mean GPA of about 3.0.

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 6A 10.30.
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a "C" or higher in each course.

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

Students wishing to transfer to USF should complete the A.A. degree at a Florida College System institution. Some courses required for the major may also meet General Education 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 (4)  
(e.g. BSC1010C, BSC1011C, BSC1010/1010L, BSC 1011/1011L, BSC 2010/2010L, PCB 2011C, PCB 2131/2131L, BSC 2011/2011L, ZOO 2010, ZOO 1010)
- 2) Human Anatomy and Physiology I with lab (4)  
(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 (4)  
(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 (4)  
(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 (4)  
(e.g. CHM 1045/1045L, CHM 1045C, CHM 2045/2045L)
- 6) General Chemistry II with lab (4)  
(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 (4 5)  
(e.g. CHM 2210/2210L, CHM 2010/2010L, CHM 2210C, CHM 3210)
- 8) Organic Chemistry II with lab (4 5)  
(e.g. CHM 2211/2211L, CHM 2011/2011L, CHM 2211C, CHM 3211/3211L, CHM 3120/3120L, CHM 2120/2120L, CHM 2120C, CHM 3120C)

- 9) Statistics (3-4)  
(e.g. STA 2023, STA 2014, STA 2122, STA 2037, STA 2040, 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 (BSC 2010,2010L)	(4)
Human Anatomy and Physiology I (with lab where available) (BSC 2093C or BSC 1085,1085L)	(3-4)
General Biology II with lab (BSC 2011,2011L)	(4)
General Microbiology with lab (MCB 3020C)	(4)
General Chemistry I with lab (CHM 2045,2045L)	(4)
General Chemistry II with lab (CHM 2046,2046L)	(4)
Organic Chemistry I with lab (CHM 2210,2210L)	(4-5)
Organic Chemistry II with lab (CHM 2211,2211L)	(4)
Statistics (STA 2023)	(4)

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)	(3-4)
Cell Biology with lab (PCB 3023,L)	(4)
Immunology (PCB 5235 or equivalent)	(3)
Determinative Bacteriology with lab (MCB 4115C)	(5)
Biochemistry (BCH 3023)	(3)

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 or February. 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 4031 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.

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.

### • COMMUNICATION (SPE)

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.

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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* - COM 3014, COM 4020, COM 4021, COM 4022, COM 4030, COM 4702, COM 4710, ORI 4019, ORI 4220, ORI 4460, SPC 3212, SPC 3425, SPC 3710, SPC 4305, SPC 4310, SPC 4431, SPC 4714

*Organizational Communication* - COM 3120, COM 3122, COM 4050, COM 4124, SPC 3212, SPC 3425, SPC 3602, SPC 4714

*Health Communication* - COM 4020, COM 4021, COM 4022, COM 4702, SPC 3212, SPC 4305, SPC 4431

*Culture and Media* - COM 3014, COM 3051, COM 3413, COM 4016, COM 4021, COM 4030, COM 4050, COM 4104, COM 4414, COM 4931, ORI 3950, ORI 4019, ORI 4410, ORI 4931, SPC 3230, SPC 3513, SPC 3602, SPC 3653, SPC 3680, SPC 3710, SPC 4201, SPC 4310, SPC 4632, SPC 4683, SPC 4714

*Performance Studies* - COM 3014, COM 3413, COM 4016, COM 4030, ORI 3950, ORI 4019, ORI 4120, ORI 4150, ORI 4220, ORI 4310, ORI 4320, ORI 4410, ORI 4460, ORI 4931, SPC 3653, SPC 4201

*Public Advocacy* - COM 3014, COM 3413, COM 4016, COM 4030, COM 4050, COM 4104, ORI 4019, ORI 4410, SPC 3230, SPC 3425, SPC 3513, SPC 3602, SPC 3653, SPC 3680, SPC 3710, SPC 4683, SPC 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 4942 Communication Intern Seminar
- 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.

### • ECONOMICS (ECO)

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

ECOXXXX and ECOXXXX (6)

#### Coursework in the Economics Major:

A student may earn a Bachelor of Arts degree with a major in Economics by satisfactorily completing 33 credits in Economics in addition to college requirements. The 33 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)

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.



### 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.

Beyond ECO 2013 Economic Principles: Macroeconomics and ECO 2023 Economic Principles: Microeconomics, students should elect ECP 4451 Law and Economics, ECP 3413 Economics of Regulation and Antitrust, and ECO 4505 Economics of Crime. Additional courses of interest are ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, and ECP 3201 Economics of Women and Work.

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

### Five-year Bachelor/Master Degree Program

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

The program requires the students to take two graduate level courses required for the MA degree during the last year in the Bachelor program. These 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 3.0 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.

#### • ENGLISH (ENG)

### 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 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 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.

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.

ENC 1101 Composition I

ENC 1102 Composition II

or

Six semester hours earned in courses taught in the English Department, **EACH** with 6,000 words of evaluated writing for a **TOTAL** of 12,000 words.

Suggested electives:

AMH 2010 American History I	3
AMH 2020 American History II	3
EUH 2021 Medieval History I	3
EUH 2022 Medieval History II	3

#### Upper-level coursework in the English Major:

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

*Literary Studies*-This program of study aims to provide students with an overall sense of literary method, history, and range of literary accomplishment (including knowledge of emerging fields, world literatures, and ethnic literatures). It allows students to make connections between contemporary life and the study of literature in a variety of ways. It evaluates a student's grasp of formal and technical elements of literary knowledge and emphasizes the development of writing skills and the practice of disciplinary writing. The major should conclude with a demonstration of such knowledge and written expression in preparation either for further study (graduate and professional schools) or excellent communication and research skills 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, 4) the ability to critique student manuscripts and offer constructive feedback within a workshop setting.

*Technical Communication and New Media* - The undergraduate degree in Technical Communication and New Media offers to prepare students to work as innovative professional communicators in a variety of fields - from government to business to medicine. The program will produce graduates who can creatively compose using a variety of tools in order to communicate with their audiences or to assist others with their clients.

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. Grades of "D" or "F" in English courses will, however, be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. 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 2.5 GPA in the major is required for graduation.

### **Option I: Literary Studies**

This program of study aims to provide students with an overall sense of literary method, history, and range of literary accomplishment (including knowledge of emerging fields, world literatures, and ethnic literatures). It allows students to make connections between contemporary life and the study of literature in a variety of ways. It evaluates a student's grasp of formal and technical elements of literary knowledge and emphasizes the development of writing skills and the practice of disciplinary writing. The major should conclude with a demonstration of such knowledge and written expression in preparation either for further study (graduate and professional schools) or excellent communication and research skills in a work environment.

Twelve courses (36 hours) as follows:

#### I. Required Courses (2 courses/6 hours)

ENG 3014 Introduction to Literary Methods (recommended during first 2 semesters of the major)

ENG 4013 Literary Criticism (recommended before any 4000-level courses)

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

##### A. Medieval / Renaissance

ENL 3015 British Literature to 1616

ENL 3331 Early Shakespeare

ENL 3332 Late Shakespeare

ENL 4311 Chaucer

ENL 4338 Advanced Studies in Shakespeare

##### B. 17<sup>th</sup> / 18<sup>th</sup>-Century British

ENL 3230 British Literature 1616-1780

ENL 4341 Milton

ENL 3016 Studies in 17<sup>th</sup> and 18<sup>th</sup>-Century British Literature

##### C. 19<sup>th</sup>-Century British

ENL 3251 British Literature 1780-1900

ENL 4122 Nineteenth-Century British Novel

ENL 3017 Studies in Nineteenth-Century British Literature

##### D. American before 1900

AML 3031 American Literature from the Beginnings to 1860

AML 3032 American Literature from 1860 to 1912

AML 4261 Literature of the South

##### E. 20<sup>th</sup>-Century American *or* British

AML 3051 American Literature from 1912 to 1945

AML 4121 Twentieth-Century American Novel

AML 4261 Literature of the South

ENL 3026 Studies in 20<sup>th</sup> Century Literature

ENL 3273 British Literature 1900-1945

ENL 4132 British Novel Conrad to the Present

- III. Cultural-Critical Studies (2 courses/6 hours)
- AML 3604 African American Literature
  - AML 3630 Latino/a Literature
  - AML 4111 Nineteenth-Century American Novel
  - AML 4121 Twentieth-Century American Novel
  - ENG 4060 History of the English Language
  - ENL 4122 Nineteenth-Century British Novel
  - ENL 4132 British Novel Conrad to the Present
  - LIN 4671 Traditional English Grammar
  - LIN 4680 Structure of American English
  - LIT 3022 Modern Short Prose
  - LIT 3031 Survey of Poetry
  - LIT 3043 Modern Drama
  - LIT 3093 Contemporary Literature
  - LIT 3101 Literature of the Western World through Renaissance
  - LIT 3102 Literature of the Western World since Renaissance
  - LIT 3144 Modern European Novel
  - LIT 3410 Religious and Philosophical Themes in Literature
  - LIT 4386 British and American Literature by Women
- IV. Electives ( 3 courses/9 hours)
- AML 4300 Selected American Authors
  - ENG 4674 Film and Culture
  - ENL 4303 Selected British Authors
  - LIT 3374 Bible as Literature
  - LIT 3930 Selected Topics in Literature
  - LIT 4930 Selected Topics in English Studies
- Any additional 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

### **OPTION II: 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, 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, ENL 3331, ENL 3332, ENL 4122, ENL 4311, ENL 4338, ENL 4341, LIT 3031, LIT 3101.

5 additional major literature courses from those listed in OPTION 1, the Literature major.

### **OPTION III: Technical Communication and New Media**

The undergraduate degree in Technical Communication and New Media offers to prepare students to work as innovative professional communicators in a variety of fields - from government to business to medicine. The program will produce graduates who can creatively compose using a variety of tools in order to communicate with their audiences or to assist others with their clients.

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 3246 Communication for Engineers
  - 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 Option 1, the Literature major
  - Any courses listed in Option 2, the Creative Writing major

**Requirements for the Minor in English *English and American Literature Minor (15 hours)***

1. *One of the following:*
  - AML 3031 American Literature to 1860
  - AML 3032 American Literature 1860-1912
  - AML 3051 American Literature 1912-1945
2. *Two of the following:*
  - ENL 3015 British Literature to 1616
  - 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
3. *One course at the 4000 level listed in major OPTION I*
4. *One additional 3000- or 4000-level course accepted for the major with AML, CRW, ENC, ENG, ENL, LIN, or LIT prefix.*

***Creative Writing Minor (15 hours)***

1. CRW 3111 Form & Technique of Fiction  
CRW 3311 Form & Technique of Poetry  
Any two of the following:
  - CRW 3112 Fiction I
  - CRW 3121 Fiction II
  - CRW 3312 Poetry I
  - CRW 3321 Poetry II
  - CRW 4120 Fiction III
  - CRW 4320 Poetry III
  - CRW 4930 Selected Topics in Creative Writing
2. One AML or ENL course listed in OPTION I.

***Professional and Technical Writing Minor (15 hours)***

1. ENC 2210 Technical Writing  
ENC 4260 Advanced Technical Writing  
*Any two of the following courses:*
  - ENC 3250 Professional Writing
  - ENC 3310 Expository Writing
  - ENC 4311 Advanced Composition
  - ENC 4931 Selected Topics in Professional and Technical Writing
2. One AML or ENL course listed in OPTION I

**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 course work (90 before actual admission). Applicants should have a GPA of 3.3 in the major and an overall GPA of 3.0 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. In addition to the requirements of the major, the student will take two (three-hour) Honors seminars during the first fall semester following admission to the program. Both courses should help the student in selecting a topic for his/her Honors thesis.
3. During the spring semester of the program, the Honors student will enroll for three thesis hours. 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 student must satisfy the following requirements:
  - a. Complete 9 hours of English Honors courses (ENG 4935, ENG 4936, ENG 4970) with a 3.0 GPA;
  - b. Complete all major requirements with a 3.3 GPA and academic course work with an overall GPA of 3.0;
  - c. Submit an acceptable thesis to the Departmental Honors committee before his/her graduation from the university.
4. 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, of course, count toward the baccalaureate degree.

Honors students failing to complete a thesis within two years after acceptance into the program will be notified by the Honors Committee of their dismissal from the program.

## • ENVIRONMENTAL SCIENCE AND POLICY (EVR)

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 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 science or in policy. Students choosing to sub-specialize in science take a second semester of calculus, 1 semester of organic chemistry and lab, and 4 electives within designated tracks. Students choosing to sub-specialize in policy take environmental law and environmental economics and 4 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 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.*

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

BSC 2011 and BSC 2011L Biology II and Lab	4
<b>and</b>	
CHM 2045 & CHM 2045L General Chemistry & Lab	4
CHM 2046 & CHM 2046L General Chemistry II & Lab	4
<b>plus</b>	
STA 2023 Statistics	3
One approved Geology or Physics Course with Lab	4
<b>and either</b>	
MAC 2241 Life Sciences Calculus I	4
<b>or</b>	
MAC 2281 Engineering Calculus I	4
<b>or</b>	
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
<b>or</b>	
MAC 2282 Engineering Calculus II	4
<b>or</b>	
MAC 2312 Calculus II	3

All students majoring in Environmental Science and Policy are required to see the advisor each semester prior to registration for the following term. Students who are eligible for an internship must see the internship coordinator six weeks prior to the beginning of the semester in which they will complete the internship.

**REQUIREMENTS FOR ALL ENVIRONMENTAL SCIENCE MAJORS**

- EVR 2002 Intro to 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

*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 approved science-related electives. Please contact the Program office for a current list of electives under these categories.

**Policy Track**

ECP 3302 and POS 3697

plus four approved policy-related electives.

Please contact the Program office for a current list of electives under this category. The Program is located in NES 200 or you may call (813) 974-0443.

**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  
ECP 3302 Environmental Economics (prerequisite: ECO 2023 Microeconomics)  
POS 3697 Environmental Law

Plus one approved policy-related elective. Please contact the department office for a current list of electives under this category.

**• GEOGRAPHY (GPY)**

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 and urban 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)
MET 4002	Climatology	(4)
MET 4012C	Meteorology	(4)
URP 4052	Urban & Regional Planning	(4)

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. D and F grades earned in major course work will be used in calculating the major GPA, except where removed by grade forgiveness. Students must maintain a minimum 2.0 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 2.0. The required courses are:

GEO 2200 (3)	GEO 2200L (1)	GEO 2400 (4)
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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.



## • GEOLOGY (GLY)

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

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

## 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 Elective (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: PlateTectonics 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)
- GLY 4554C Sedimentary Record 2: The Earth's Surface (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 (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

*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.

**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 3.5 in the major and an overall GPA of 3.2.

**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.

**• GOVERNMENT & INTERNATIONAL AFFAIRS (INT/POL/PAD)**

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)**

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 18 of these hours (six courses) must be from the International Studies Program offerings. The six required courses are

INR 3011 Globalization	(3)
INR 3081 International Issues and Actors or INR 3102 American Foreign Policy	(3)
INR 3038 International Wealth and Power -SS	(3)
INR 4936 Senior Seminar -MW or INR 4083 Conflict in the World	(3)

Plus one topical and one area studies course chosen from the INT upper division electives.

It is recommended that the student complete INR 3011 before taking INR 3081.

The additional 18 hours may be selected from elective courses from within the International Studies Program or from course offerings of 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 International Affairs Center. 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 3081 International Issues and Actors or INR 3102 American Foreign Policy (3)
- INR 3038 International Wealth and Power-SS (3)

Plus 3 upper level courses chosen from the International Studies Program's offerings.

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

### POLITICAL SCIENCE (POL)

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)

POT 4054 (3) POT 4204 (3)

#### Field II **Comparative Government and Politics**

CPO 4034 (3) CPO 4930 (3) CPO 5934 (3)

#### Field III **International Relations**

INR 3102 (3) INR 3370 (3) INR 4403 (3)

INR 3038 (3) INR 4035 (3) INR 4502 (3)

INR 3336 (3) INR 4254 (3) INR 5086 (3)

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

POS 2080 (3) POS 3453 (3) POS 5094 (3)

POS 2112 (3) POS 4204 (3) PUP 4323 (3)

POS 3173 (3) POS 4413 (3)

POS 3182 (3) POS 4424 (3)

#### Field V **Urban Government and Politics**

POS 3142 (3) POS 5155 (3) URP 4050 (3)

#### Field VI **Public Policy**

INR 3102 (3) PUP 4203 (3) PUP 5607 (3)

PUP 4002 (3) PUP 4323 (3) URP 4050 (3)

#### Field VII **Law and Politics**

INR 4403 (3) POS 3691 (3) POS 4624 (3)

POS 3283 (3) POS 4614 (3) POS 4693 (3)

POS 4694 (3)

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

PAD 3003 (3) POS 4936 (3) PAD 4204 (3)

POS 4941 (3-15) POS 4905 (1-3) POS 4970 (3)

POS 4910 (1-3) POS 3931 (3) POT 4109 (3)

POT 4661 (3) POT 4936 (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.

#### **Field Work**

Political Science has a field work 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 theses 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.

AMH 2010 American History I	(3)
AMH 2020 American History II	(3)
ENC 3310 Expository Writing	(3)
EUH 1000 World Civilization I	(3)
EUH 1101 World Civilization II	(3)
POS 2112 State and Local Government	(3)
SPC 2608 Public Speaking	(3)

### 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:

- INR 2002 Introduction to International Relations
- CPO 2002 Introduction to Comparative Politics
- INR 3102 American Foreign Policy

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

- CPO 4034 Politics of Developing Areas
- CPO 4930 Comparative Politics of Selected Areas
- INR 4334 Defense Policy
- INR 4035 International Political Economy
- INR 4403 International Law
- INR 4502 International Organizations
- CPO 5934 Selected Topics in Comparative Politics
- INR 5086 Issues in International Relations

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.

**Public Administration (PAD)**

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.

- PAD 3003 Introduction to Public Administration
- PAD 4144 Nonprofit Organizations and Public Policy
- PAD 4204 Public Financial Administration
- PAD 4419 Personnel and Supervision in Today's Organizations
- PAD 4712 Managing Information Resources in the Public Sector
- PAD 4930 Selected Topics in Public Administration and Public Policy
- PAD 5035 Issues in Public Administration and Public Policy
- PAD 5044 Environment of Public Administration
- PAD 5333 Concepts and Issues in Public Planning
- PAD 5605 Administrative Law and Regulation
- PAD 5700 Research Methods in Public Administration
- PAD 5807 Urban and Local Government Administration
- PAD 5836 Comparative Public Administration
- POS 5159 Urban Policy Analysis

An undergraduate minor in Public Administration has recently been approved. For further information, please contact the Public Administration Program.

**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 (3)
- PAD 5605 Administrative Law and Regulation
- PAD 5807 Urban and Local Government Administration
- PAD 5159 Urban Policy Analysis
- PAD 5044 Environment of Public Administration
- PAD 5853 Comparative Public Administration
- PAD 5035 Issues in Public Administration and Public Policy
- PUP 4002 Public Policy

**• HISTORY (HTY)**

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. However, grades of "D" or "F" in history coursework will be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. A Major GPA of at least 2.0 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 only be taken in the last two semesters prior to graduation and 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, Psychology, Philosophy, Religious Studies, Sociology, Women's Studies, Literature, the Humanities, and the Fine Arts.

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**

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.

**• HUMANITIES & CULTURAL STUDIES (HUM/AMS)**

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)**

The Humanities Program offers an interdisciplinary curriculum that investigates the visual arts, music, 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.*



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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.

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 – 20<sup>th</sup> Century: 3 credits

### (2) One additional Interdisciplinary Historical Survey: 3 credits

Either HUM 2210: Studies in Culture: The Classical Through Medieval Periods

Or HUM 2252: 20<sup>th</sup>-century European Culture

Or HUM 2270: 20<sup>th</sup>-century American Culture

Or HUM 2466: Modern Latin American Culture

### (3) One Introductory Genre course: 3 credits

Either FIL 1002: Introduction to Film

Or HUM 2515: Introduction to Popular Music

Or a similar course approved by the department

### (4) HUM 3804 "Introduction to Cultural Studies" (Prereq. HUM 2230): 3 credits. Students must pass this course with a B- or better in order to register for the Pro-seminar.

## "Concentration" courses; 9 hours

Students will follow one of two tracks: "Modern Humanities" or "Ancient, Medieval and Early Modern." Up to six of these hours can be taken in approved courses outside the department. Otherwise, the courses must be taken from the following lists (all courses are 3 credits):

### Ancient, Medieval, and Early Modern Concentration

HUM 3482: Ancient Near East Cultures

HUM 3431: Hellenistic World

HUM 3240: Early Middle Ages

HUM 3231: Renaissance

HUM 3237: 17<sup>th</sup> century Europe

HUM 3241: Medieval and Gothic Europe

HUM 3242: Enlightenment

### Modern Concentration

HUM 3242: Enlightenment

HUM 3244: 19<sup>th</sup> century Europe

HUM 3457: 19<sup>th</sup> century US

HUM 3458: 20<sup>th</sup> century US

AMS 3230: 1920s and 30s America

AMS 3001: Turn of the Century America

## "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 4396: Places, Spaces, and Regions  
 HUM 4459: Identity and Power  
 HUM 4260: Genres and Media  
 HUM 4934: Issues in Cultural Theory  
 HUM 4471: Cultural Periods and Styles

Pro-seminar/Senior Seminar two-semester senior-year sequence; 6 hours

**(1) HUM 3331: Pro-seminar: 3 credits**

Students must have at least 6 units of upper level major course work in addition to a B- in HUM 3821 in order to enroll in the Pro-seminar.

**(2) HUM 4931: Seminar in Humanities: 3 credits** Students must pass the Pro-seminar with at least a C- to register for the senior seminar.

### 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.
2. Not over eight of these eighteen hours may be taken below the 3000 level.

### AMERICAN STUDIES (AMS)

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 credits
2. One 2000-level survey course, either AMS 2201 (Colonial American Culture), AMS 2212 (Nineteenth-Century American Culture) or AMS 2270 (Twentieth-Century American Culture) 3 credits
3. One additional 3000- or 4000-level **Period** course (e.g. AMS 3230 America During the 1920s and 1930s, AMS 3001 American Culture, 1880-1915, AMS 3260 American Culture, 1830-1860) 3-4 credits
4. One 3000- or 4000-level **Regions** course (e.g. AMS 3210 Regions of America) 3 or 4 credits.
5. One 3000- or 4000-level **Genre** course (e.g. AMS 3601 Material Culture and American Society, AMS 4152 Film in American Culture, PGY 3001 Photography in American Culture) 3 or 4 credits
6. Senior Seminar (AMS 4935) 4 credits
7. 8-9 additional AMS credit hours

8. 3-6 additional credit hours of supporting courses (e.g. American Literature, American History) to be chosen in consultation with the undergraduate advisor.
9. Introduction to Cultural Studies (HUM 3821) 3 credits

### Requirements for the Minor in American Studies

18 credit hours distributed as follows:

1. AMS 2030 (Introduction to American Studies) 3 credits.
2. One 2000-level survey course (AMS 2201, AMS 2212, AMS 2270) 3 credits.
3. 6 additional AMS credit hours.
4. 6 additional credit hours of supporting courses to be chosen in consultation with the undergraduate advisor.

### • INTERDISCIPLINARY SOCIAL SCIENCES (ISS)

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.

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

*There are no State Mandated Common Prerequisites for the ISS degree program.*

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

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

#### 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 3013 Introduction to Social Sciences	(3)
ISS 4935 Seminar in the Social Sciences -MW	(3)
STA 2122 Social Sciences Statistics -6A QM	(3)
2. The ISS student chooses between two cognate areas and completes twelve hours in each. In addition, three special electives emphasize cultural diversity.
3. Students should work out a program of study at the onset of their junior year, 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 2.0 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 3.2, developed with the approval of the advisor. This course of study will be directed toward the special educational interests of these students. An in-depth Honors Research Paper will be required of students taking this option.

**No transfer courses with grades of "D" are acceptable for credit in the ISS major.**

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

Africana Studies, American Studies, Anthropology, Communication, Communication Sciences and Disorders, Criminology, Economics, Environmental Science and Policy, Gerontology, Geography, History, Humanities, International Studies, Interpreter Training, Latin American Studies, Library and Information Science, Multidisciplinary Behavioral Healthcare, Political Science, Psychology, Public Administration, Religious Studies, Social Work, Sociology, Woman's Studies.

### • LIBERAL STUDIES (ALA)

Please note: this program is not accept new students at this time.

The Liberal Studies degree fulfills the intent of the traditional Liberal Arts Degree and is for students who want a broad academic background to realize their academic or career goals.

#### **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 Requirement 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.

**Program Admission Procedure and Upper-level Course Requirements:** Students must apply for admission to the program separately from applying to the university. To apply for the Liberal Studies Program, students must (1) have completed a minimum of 20 and no more than 80 semester hours, (2) have a minimum overall grade point average of 3.0 at the time of admission, and (3) submit a written proposal and program of study, explaining the student's special academic circumstances and goals for which this major is appropriate. This proposal must be approved by a faculty committee of three professors (Chair to be selected by the student) to be assembled by the student and the director of the major.

The student must complete the General Education Requirements (and all other university requirements), and a minimum of 4 semesters of one foreign language. The remaining hours will be devoted to interdisciplinary study in the College of Arts and Sciences. Ideally, the hours will include courses in the social sciences, humanities, and natural sciences. In the student's last semester, the faculty committee must approve a senior paper.

For information, contact the Associate Dean for Graduate and Undergraduate Studies in BEH 201.

### • Library and Information Science (LIS)

The School of Library and Information Science offers undergraduate courses to meet a wide range of information literacy needs in support of the university's academic programs. The courses 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.

Students are able to take a variety of courses that will prepare them to access and evaluate these information resources. Topics taught in these courses include using the modern, electronic library and the Internet to meet academic, professional, and personal information needs, and designing websites that meet professional standards.

The School's faculty will advise those undergraduates interested in graduate study in librarianship. The American Library Association accredits the Library and Information Science Master's program, and graduates are prepared for professional positions in all types of libraries, media centers, and information agencies. The Library and Information Science program at the University of South Florida meets the Florida State Board of Education coursework requirements for certification as an Educational Media Specialist (grades K 12).

Beginning in Fall, 2010, the School of Library and Information Science will offer the Bachelor of Information Technology program.

For more information, visit our web site at <http://slis.usf.edu/>.

### • MASS COMMUNICATIONS (COM)

The School of Mass Communications, accredited by the Accrediting Council on Education in Journalism and Mass Communications, offers approximately 70 courses varying in content from the highly technical and field-specialized in some cases to an essential liberal arts orientation in others. The program introduces students to the theories, principles, and problems of communications, emphasizing the concept of freedom of information as the cornerstone of constitutional

democracy and preparing students for future leadership roles in communications media. Graduates should understand the structure and functions of mass media systems as well as the basic processes of 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).

### Requirements for the Major in Mass Communications

To be admitted to the core curriculum in Mass Communications, students must have completed a minimum of 30 hours (including at least 15 semester hours for which grades and a grade point average have been awarded) with a 2.75 minimum Overall Grade Point Average, including ENC 1101 and 1102 with a minimum grade of "C" in each. Applicants must establish a minimum score of 60 percent on the Mass Communications English Diagnostic Test prior to entering MMC 2100 (Writing for Mass Media). (Students who transfer MMC 2100 or its equivalent must pass the Mass Communications English Diagnostic Test with a score of at least 70 percent, which is the same score required for the successful completion of MMC 2100 at USF.) Both courses in the Mass Communications core curriculum (MMC 2100 and MMC 3602) must be completed 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. A 2.5 GPA in Mass Communications courses is required for graduation, and no student may graduate with a grade lower than "C" in any Mass Communications course.

The Mass Communications major requires six hours of core curriculum courses (MMC 2100 and MMC 3602) and 31 hours of a combination 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.

Mass Communications majors are required to take a minimum of 80 hours in courses outside the journalism and mass communications areas, with no fewer than 65 hours in the basic liberal arts and sciences. (Liberal Arts courses are listed in materials available from the School advisors.) To facilitate this, no more than 44 hours of Mass Communications courses may be applied toward the bachelor's degree within the 124-hour graduation requirement. Mass Communications majors taking more than 44 hours of Mass Communications courses, regardless of the departments in which those courses are listed, must add those hours to the 124 hours required for graduation. In particular, film and photography courses offered in other departments may be considered to be Mass Communications courses and added to the 124-hour degree requirement.

At least twenty-two (22) hours of resident School courses are required.

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.

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 also should note that the Mass Communications major is a four-semester program at a minimum and the majority of courses are offered only during the day.

#### 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 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 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:

Complete a minimum of 30 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of "C"), earn a 2.75 overall GPA, and 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.

### Required Upper-level Coursework for the Mass Communications Major

School Core Curriculum

MMC 2100 Writing for the Mass Media

MMC 3602 Mass Comm and Society

### Sequence Requirements

#### 1. 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

#### 2. 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  
POS 2112 State and Local Government and Politics  
**or**  
POS 3142 Intro to Urban Politics & Government  
**and**  
SYG 2010 Contemporary Social Problems

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 Design 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  
POS 2112 State and Local Government and Politics  
**or**  
POS 3142 Intro to Urban Politics and Government  
**and**  
SYG 2010 Contemporary Social Problems

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  
POS 2112 State and Local Government and Politics  
**or**  
POS 3142 Intro to Urban Politics and Government  
**and**  
SPC 2608 Public Speaking

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:

CRW 2100 Narration and Description  
**or**  
ENC 3310 Expository Writing  
**and**  
PHI 1103 Critical Thinking

**3. 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

PUR 4401 Public Relations: Issues, Practices, Prob.

PUR 4801 Advanced Public Relations

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 2.5 grade point average in all minor coursework must be maintained. All minor hours must be completed at USF.

### • MATHEMATICS and STATISTICS (MTH/STC)

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.



### 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.

COPXXXX	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.

Additionally, students admitted to the program and later subsequently earn three D's and/or F's in their major courses or courses supporting their major will be dropped from the program.

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	(4)
MAC 2312 Calculus II	(4)
MAC 2313 Calculus III	(4)
MAP 2302 Differential Equations	(3)
MGF 3301 Bridge to Abstract Mathematics	(4)
MAS 3105 Linear Algebra	(4)

**Analysis Requirement.** Majors must complete one of the following two courses (4 credit hours):

MAA 4211 Intermediate Analysis I	(4)
MAS 4156 Vector Calculus	(4)

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	(3)
MAA 4211 Intermediate Analysis I	(4)
MAA 4212 Intermediate Analysis II	(3)
MAA 4402 Complex Variables	(3)
MAD 4401 Numerical Analysis	(3)
MAD 4504 Theory of Computation	(3)
MAS 4156 Vector Calculus	(4)

MAS 4301 Elementary Abstract Algebra	(3)
MAT 4970 Mathematics Senior Thesis	(3)
MHF 4406 History of Modern Mathematics	(3)
MTG 4214 Modern Geometry	(3)
MTG 4302 Introduction to Topology	(3)
STA 4321 Essentials of Statistics	(3)
STA 4442 Introduction to Probability	(3)

**Special Notes:**

MAT 4930, Selected Topics in Mathematics, or 5000-level mathematics courses may be taken as electives, with the approval of the Undergraduate Advisor.

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

Majors wishing to take a course in statistics should first take STA 4442 and then STA 4321.

Majors wishing to continue towards a graduate degree in mathematics should take MAS 4301 and MAA 4211. (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 3.0 grade point average for all college courses, and
3. have at least a 3.5 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 3.0 average for all college courses, and
6. at least a 3.5 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 3.0 grade point average for all college courses, and
3. have at least a 3.5 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. To plan your program, see the Undergraduate Advisor in Mathematics.

**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):

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## 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)

Any 2 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,

## 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.

COPXXXX Computer Language Course*
MAC X311 Calculus I
MAC X312 Calculus with Analytic Geometry II
MAC X313 Calculus III
STA2XXX 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 (0)

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

BSC XXXX/XXXXL (4)

CHM XXXX/XXXXL (4)

PHY XXXX/XXXXL (4)

GLY XXXX/XXXXL (4)

**Required Courses** (Min. 19 credit hours):

STA 2023 Introductory Statistics I (4)

STA 3024 Introductory Statistics II (3)

STA 4321 Introduction to Mathematical Statistics I (3)

STA 4443 Introduction to Mathematical Statistics II (3)

STA 4442 Introduction to Probability I (3)

STA 4445 Introduction to Probability II (3)

**Elective Requirement:** Majors must complete 3 courses from the following electives (Min. 9 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 4821 Stochastic Processes (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 Undergraduate Advisor and the Chairman.

STA 4930, Selected Topics in Mathematics or 5000-level statistics courses may be taken as electives, with the approval of the Undergraduate Advisor.

## • PHILOSOPHY (PHI)

### 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: AncientPhilosophy

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: AncientPhilosophy
  - 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 3.0, and their grade point average in Philosophy must be at least 3.5.
3. 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 3.5 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.

### • PHYSICS (PHY/PHS)

The Department of Physics offers undergraduate programs leading to a Bachelor of Arts (B.A.) or a Bachelor of Science (B.S.) degree. The B.A. program is designed for students interested in a more general education in physics. The curriculum allows enough flexibility in electives to enable students to combine a physics major with another major in such areas as mathematics, biology, chemistry, computer science, engineering, business, and teacher education. The B.S. program is for students planning to pursue graduate studies in physics, applied science or engineering. For those students who desire additional capabilities in physics beyond the General Physics sequence, they may pursue a Minor in Physics or Biomedical Physics.

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) (37 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	(1-4)
		(1 hour recommended)
PHY 4222	Mechanics II	(3)
PHY 4930	Undergraduate Seminar	(1)
PHY 4324	Electricity and Magnetism II	(3)

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PHY 4604 Intro. to Quantum Mechanics (3)

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 (1-4)

(2 hours recommended)

PHY 4222 Mechanics II (3)

PHY 4930 Undergraduate Seminar (1)

PHY 4324 Electricity and Magnetism II (3)

PHY 4523 Statistical Physics (3)

PHY 4604 Intro. 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 19 credit hours which includes:

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)

Elective Courses (Pick from list below) (8 credit hours)

PHY 3221 Mechanics I (3)

PHY 3323 Electricity and Magnetism I (3)

or 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" (2.0) 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 Appl of Phy to Bio. & Medicine I	(4)
PHZ 4703 Appl of Phy to Bio. & 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.

- **PSYCHOLOGY (PSY)**

Psychology involves 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. The graduate faculty of the Psychology Department are divided into three broad program areas: (a) Clinical, (b) Cognition, Neuroscience and Social and (c) Industrial/Organizational. Each of these program areas offers Ph.D.-level training as well as instruction at the undergraduate level. For more information about the undergraduate and graduate programs in Psychology, please visit the Psychology Department's website at <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

and 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:

**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 toward the major.
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 2.0 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.

**• RELIGIOUS STUDIES (REL)**

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 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 must be at the 4000 level
  - c. Earn at least a "C-" for courses to count toward the major.

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 3101, 3111, 3114, 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) hrs 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 3.5 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)

### • SOCIOLOGY (SOC)

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.

STA 2122 Social Science Statistics	(3)
SYG 2000 Introduction to Sociology	(3)

### 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 credits. Only courses in which a grade of "C-" or better is attained will count toward the minimum hours although lower grades are included in calculating the major GPA.

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 courses offered by the Sociology department. No more than three hours of SYA4910, Individual Research, and SYA 4949, Sociological Internship, may count toward the 36 hour minimum.

Students are encouraged to make an appointment to talk with the Sociology Department Undergraduate Advisor when they have questions about major requirements or about which electives offered each semester would best meet their educational and career goals.

## Requirements for the Minor in Sociology

A minor in Sociology consists of a minimum of 18 credit hours in Sociology, at least 12 of which must be USF credits. Minors must take SYG 2000 Introduction to Sociology and SYA 3110 Classical Theory. No more than three hours of SYA 4910 "Individual Research" 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.
  5. Successful completion of the Honors Thesis (SYA 4910 and the thesis itself).
- Applications for the Undergraduate Honors Program in Sociology are available in the Sociology Department (CPR 209).

### • WOMEN'S AND GENDER STUDIES (WST)

Women's and Gender Studies at the University of South Florida offers an interdisciplinary field of study that features and critically examines women's experiences, taking into consideration historical, cultural, racial, class, and other differences. The department offers a B.A., a minor in Women's Studies, a concentration in Women of Color Studies, and a certificate in Women's Spirituality. Enhancing knowledge about feminisms and gender studies through teaching, emphasis on multiculturalism and diversity, the department focuses on critical thinking, collaborative learning, and personal empowerment.

Women's and Gender Studies offers excellent undergraduate preparation as well for

- Those who wish to apply to law school or to graduate study in a variety of fields, e.g., Urban or Medical Anthropology, Counselor Education, Criminal Justice, Gerontology, History, Rehabilitation Counseling, Social Work, Women's Studies
- Those who want to focus on women in specific disciplines or professions; and
- Those whose training would benefit from a close scrutiny of the major issues facing women today.

### Requirements for the Major in Women's 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.* However, during the program of study at the community college students should begin to satisfy General Education/Gordon Rule requirements, take WST 3015, "Introduction to Women's Studies," or other introductory courses in the Social Sciences and Liberal Arts. Courses to help students with reading and writing skills are helpful as well. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

#### Upper-level Coursework for Women's Studies Majors

Each major must complete 36 hours distributed as follows:

##### I. Required Core Courses (15 hours)

WST 3311 Issues in Feminism	(3)
WST 4310 History of Feminism in the U.S.	(3)
WST 4522 Classics in Feminist Theory	(3)
WST 4935 Capstone/Senior Project	(3)
AFA 4335 Black Women in America <b>OR</b>	
WST 4262 Literature by Women of Color in the Diaspora	(3)

##### II. Select 21 credit hours from the following list, noting prerequisites where applicable:

ANT 4302 Gender in Crosscultural Perspective	(3)
WST 2250 The Female Experience in America	(3)
WST 3210 European Feminist History: Pre-18th Century	(3)
WST 3220 European Feminist History: 18th Century to Present	(3)
WST 3225 Women, Environment and Gender	(3)
WST 3412 Women in the Developing World	(3)
WST 3440 Women and Social Action	(3)
WST 3620 Men and Sexism	(3)
WST 4260 Research Issues on Women of Color	(3)
WST 4410 Postcolonial Women Writers	(3)
WST 4335 Women and Film	(3)
WST 4320 The Politics of Women's Health	(3)
WST 4350 Women and Science	(3)
WST 4561 Contemporary Feminist Theory	(3)
PHI 4632 Feminist Ethics	(3)
POS 4693 Women and Law I	(3)
POS 4694 Women and Law II	(3)

SYD 4800 Gender and Society	(3)
WST 4900 Directed Readings	
WST 4910 Directed Research	
WST 4930 Selected Topics	
<i>(Limited to 6 credits from the following courses)</i>	
AMH 3561 American Women I	(4)
AMH 3562 American Women II	(4)
AMS 3370 Southern Women: Myth and Reality	(3)
COM 4030 Women and Communication	(3)
LIT 3383 The Image of Women in Literature	(3)
PUP 4323 Women and Politics	(3)
REL 3145 Women and Religion	(3)
SOP 3742 Psychology of Women	(3)
WST 2600 Human Sexual Behavior	(3)
WST 3015 Introduction to Women's Studies	(3)

Students electing to major in Women's Studies should consult the Undergraduate Advisor for timely scheduling of classes.

### Requirements for the Minor in Women's Studies

#### Minor in Women's Studies

A student wishing to minor in Women's Studies will be required to take six courses:

Required:

WST 3015 or WST 3311

Electives:

Plus 15 credit hours with at least 2 courses at the 4000 level and above.

#### Minor in "Women of Color"

Women's and Gender Studies offers a specific concentration in the area of Women of Color whose focus will be to examine the relationship between women of color and institutions of power.

The concentration prepares students for graduate work and/or professional careers in traditional and non-traditional areas such as health and education, international relations, the creative arts, law, medicine, social work, government and public policy, the social sciences, and community organization.

The requirements for the minor are 15 hours, which are to be selected from the following upper-level courses:

AFA 4335 Black Women in America	(3)
WST 4260 Research Issues on Women of Color	(3)
WST 4930 Selected Topics	(1-4)
ANT 4302 Gender in Cross-Cultural Perspective	(3)
WST 4262 Literature by Women of Color in the Diaspora	(3)
WST 3412 Women in the Developing World	(3)
WST 4410 Postcolonial Women Writers	(3)

### • 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.

#### CLASSICS (CLS)

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

**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.

#### **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 three of the upper level civilization 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 3.5.
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 3.5.
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.

#### **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 (3)

or

CLT 3101 Greek Literature in Translation (3)

CLA 3123 Roman Civilization (3)

or

CLT 3102 Roman Literature in Translation (3)

HIS 3930 Classical Archaeology (3)

or

ANT 3101 Archaeology (with approval of Coordinator) (3)

or

REL 3280 Biblical Archaeology (3)

and

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 (3)

or

CLT 3101 Greek Literature in Translation (3)

CLA 3123 Roman Civilization (3)

or

CLT 3102 Roman Literature in Translation (3)

HIS 3930 Classical Archaeology (3)

or

REL 3280 Biblical Archaeology (3)

and

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 3.5 GPA within the major and a 3.3 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)
  - or  
CLT 3101 Greek Literature in Translation (3)
  - Either  
CLA 3123 Roman Civilization (3)
  - or  
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)
  - or  
CLT 3101 Greek Literature in Translation (3)
  - Either  
CLA 3123 Roman Civilization (3)
  - or  
CLT 3102 Roman Literature in Translation (3)  
CLT 3370 Classical Mythology (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.

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 the community college, it must be completed before the degree is granted. 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.

ENC 1101 English I	(3)
ENC 1102 English II	(3)
Social Science (any HIS, SOC, ANT, etc.)	(6)
Humanities (any HUM)	(6)
Beginning and Intermediate "Target Language" (1120, 1121, and 2200)	(14-19)

#### • French (FRE)

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

FRE 3234 (3)	FRW 4100 (3)
FRE 2240 (3)	FRW 4101 (3)
FRE 3420 (3)	

*Supporting courses required for the major*

17 hours in 3000, 4000, or 5000 level courses planned with the advisor.

*Required courses for the minor (6 credit hours)*

FRE 2240 (3)	FRE 3420 (3)
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*Supporting courses required for the minor*

9 hours in 3000, 4000, or 5000 level courses except courses in translation.

#### • French (FRE) with an International Studies and Business Concentration

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

FRE 2240 (3)	FRE 3234 (3)
FRE 3420 (3)	FRE 3440 (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)
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)	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)

*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 a 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).

**• Modern Greek (GRK)***Required courses for the minor (16 credit hours)*

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

**• Italian (ITA)***Required courses for the major (15 credit hours)*

ITA 2240 (3)    ITT 3504 (3)    ITW 4100 (3)  
ITA 3420 (3)    ITW 4101 (3) or ITT 3001 (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*

10 hours in 3000 or 4000 level courses except courses in translation.

**• Russian (RUS)***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)***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 (SPA) with an international studies and business concentration**

*Required courses in Spanish for the major (18 credit hours)*

SPN 3330 (3)                      SPN 3520 (3)

SPN 3440 (3)                      SPN 4301 (3)\*

SPN 3441 (3)                      SPN 4410 (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)                      SPW 4100 (3)

SPN 2341 (3)                      SPW 4101 (3)

SPN 4700 (3)                      SPW 4130 (3)

SPW XXXX (3)                      SPW 4131 (3)

SPW 3030 (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)                      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 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) AND BUSINESS CONCENTRATION**

*Required International Studies courses (15 credit hours)*

CPO 2002 (3)                      INR 1015 (3)

CPO 4930 (3)                      INR 3038 (3)

INR 2002 (3)

*International Studies electives (3 credit hours)*

Choose from the list below:

INR 3018 (3)    POT 4109 (3)

INR 3202 (3)

*Required courses in Spanish (12 credit hours)*

SPN 3440 (3)    SPN 3500 (3)    SPN 3520 (3)

or    SPN 4301 (3)    SPN 3341 (3)

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

ACG 3074 (3)                      FIN 3403 (3)

ECO 1000 (3)                      MAR 3023 (3)

MAN 3025 (3)                      Capstone Course (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).

**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.

**Alpha Epsilon Delta (AED) - National Premedical Honor Society** - Open to all USF students with an interest in health professions. To be inducted into the national honorary, students must have 3.0 overall GPA and science GPA with a minimum of 3 semesters of college work completed, including one semester at USF. Students do not need to be in the national honorary in order to participate in the chapter at USF. For further information please go to [www.ctr.usf.edu/aed](http://www.ctr.usf.edu/aed).

**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 Criminal Justice Association** - To offer students an organization that exposes them to career opportunities in fields related to criminology. We also provide interaction between students and professionals in the field of criminal justice. For further information please call (813) 974-6217.

**American Library Association (ALA)** - To promote the highest quality library and information services and public access to information. Students enrolled in programs of study or certificate in librarianship or information sciences are welcome to join ALA. For more information please go to: <http://www.ala.org>.

**Pre-Med American Medical Student Association (PreAMSA)** - Open to all Pre-Medical students. AMSA sponsors student-run projects carried out at the local level that allows future physicians to work in their communities as teachers and advocates of health promotion and disease prevention. For further information please go to <http://ctr.usf.edu/pamsa/>

**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/index.html>.

**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.

**Arts and Sciences College Council** - To represent the students of the College of Arts & Sciences in expressing their opinions, to help them participate in determining college policy, to provide services that may help in furthering their interests and education in the Arts and Sciences. For further information please go to BEH 201 or call (813) 974-6957.

**Arts and Sciences Honor Society** - To recognize high academic achievement by students in the College of Arts and Sciences. Membership is by invitation. One induction is held each year during the fall semester. For further information, check the ASHS web site at <http://nosferatu.cas.usf.edu/~poonkase> or call (813) 974-6957.

**Association of Minority Communicators** - To inform minority students interested in Communication about the profession and to help them gain practical experience.

**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 Scholar 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 students, 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.

**Geography Club** - To foster understanding of and stimulate interest in the discipline of Geography and its subfields. For further information please go to NES 201.

**Geography Graduate Student Alliance** - To promote social and professional interactions among students in graduate programs in Environmental Science and Policy, Geography, and Urban and Regional Planning. For Further information please go to NES 201.

**Geology Club** - The Geology Club at USF involves its members along with the department in many activities such as trips, annual T-shirt sales and extracurricular academic participation. These events include hosting weekly lecture series by professional geologists and providing opportunities for members to teach geology to local elementary schools. For further information please contact Dr. Mark Rains, SCA 531; or Geology Web Page @ [www.cas.usf.edu/geology/](http://www.cas.usf.edu/geology/)

**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.

**HOSA** - Health Occupations Students of America (HOSA) is a national organization that supplements the health education curriculum. HOSA develops the whole person, not just job-specific skills. HOSA's purpose is to foster leadership skills, communication skills and other occupational competencies and social skills that will lead to a successful career in the health field. For further information please go to <http://ctr.usf.edu/hosa/>.

**Humanities and American Studies Society** - This organization's stated purpose, according to its Constitution, is "to inspire a greater appreciation of our past and present through the study and enjoyment of various art forms." Activities range from gallery strolls to lectures, film series, and campus theatre performances.

**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.

**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.

**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.

**Minority Preprofessional Science Society/Minority Association of Premedical Students (MPSS/MAPS)** - The objectives of the Society are to promote minority student interest in careers in the natural sciences and the health professions and to provide a support network to enable students to be academically successful. The Society meets weekly on Thursday afternoons. Membership is open to all students in the College of Arts and Sciences. For further information go to <http://ctr.usf.edu/mpss/>

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**National Student Speech Language Association** - Association was created because of students' desire for a closer affiliation with professionals in the discipline of human communication sciences and disorders.

**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](http://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 Gamma Mu** - International Honor Society for the Social Sciences.

**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.

**Pre-Dental Society** - The Pre-Dental Society is open to all students with an interest in Dentistry. Through the Society students have an opportunity to not only get to know other Pre-Dental students, but to meet and hear presentations from dental school admissions' officers and practicing dentists. The Society also has organized an extensive mentor program through which students can arrange to observe dentists from each of the specialties as they work in their offices. For further information please go to <http://ctr.usf.edu/predental/>.

**Pre-Optometry Society** - This new society will provide students an opportunity to learn more about the profession of optometry and to meet other students interested in the profession. Any interested student is invited to join. For further information please go to <http://www.ctr.usf.edu/pops/>

**Pre-Veterinary Society** - USF Pre-veterinary Society provides fellowship and exchange among students interested in veterinary medicine, animal science and/or research. Membership is open to students from USF and other local colleges who wish to participate in a variety of activities that will enhance their knowledge in animal science. Activities have included tours at EPCOT - the Land of the Seas, Sea World, Lowry Park Zoo, an ostrich farm, and University of Florida College of Veterinary Medicine. Students meet a variety of specialists in the area.

**Psi Chi** - Psi Chi is the National Honor Society in Psychology, founded in 1929 for the purposes of encouraging, stimulating, and maintaining excellence in scholarship, and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies and is an affiliate of the American Psychological Association and the Association for Psychological Science.

**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](mailto:RSCUSF@yahoo.com)

**Sigma Gamma Epsilon** - To recognize and promote academic and professional excellence in the Earth Sciences.

**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.

**Special Libraries Association (SLA)** - The global organization for innovative information professionals and their strategic partners. SLA promotes and strengthens its members through learning, advocacy, and networking initiatives. Student

memberships are granted to applicants enrolled in at least two library or information science courses. For more information please go to: <http://www.sla.org>.

**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.

**Student Society for Technical Communication-SSTC** - offers students scholarships, publication competitions, internship opportunities, resume and computer workshops and networking socials with local professionals who are established in the field. For further information please go to CTR 2419.

**University Psychology Association** - The purpose of this organization shall be 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.

## ARTS AND SCIENCES FACULTY

### Africana Studies

*Chairperson:* Deborah G. Plant; *Associate Professors:* D. G. Plant, C. R. Rodriguez, E. Kissi; *Assistant Professors:* E. D. Duke, K. Simeon-Jones; *Instructor:* D. Washington; *Visiting Research Associate:* H.R. Kaplan; *Other Faculty:* K. Davis-John, J. Holmes, R. Jones, J. A. Maxwell-Simmons, S. Moore, L.W. Morehouse, F.U. Ohaegbulam, C. Probes, W. Rand, B.T. Shuler, S. Toland-Dix, S. Wright.

### Anthropology

*Chairperson:* B. Weisman; *Professors:* R. Baer, E. Bird, K. Borman, S. Greenbaum, L. Madrigal, R. Tykot, B. Weisman, N. White, L. Whiteford; *Associate Professors:* K. Davis-Salazar, D. Himmelgreen, J. Messing, N. Romero-Daza, C. Wells, K. Yelvington; *Assistant Professors:* H. Castaneda, A. Jackson, E. Kimmerle, T. Pluckhahn, R. Zarger; *Instructor:* L. Collins, J. Napora; *Courtesy Faculty:* C. Bryant, J. Coreil; *Emeritus Faculty:* M. Angrosino, C. Wienker, A. Wolfe.

### Cell Biology, Microbiology and Molecular Biology

*Chairperson:* J. Garey; *Professors:* J. Garey, D. Lim, R. Pollenz, D. TeStrake, J. Romeo, R. Wunderlin; *Associate Professors:* M. Dao, G. Daughdrill, *Assistant Professors:* P. Bradshaw, J. Moore, M. Nanjundan, J. Riordan, K. Schmidt, K. Scott, L. Shaw, S. Stevens, D. Wang; *Instructors:* V. Carson, K. Daniel, J. El-Rady, A. Upadhyaya, P. Vandenbergh.

*Chairperson and Professor:* R. Larsen; *Associate Chairperson and Professor:* B. Space; *Assistant Chair and Instructor:* P. Muisener *Emeritus Professors:* J. Binford, J. C. Davis, Jr., J.E. Fernandez, L. Mandell, T. C. Owen, B. Stevens; *Distinguished University Professor Emeritus:* D. F. Martin; *Professors:* B. J. Baker, S. H. Grossman, W. C. Guida, J. P. Harmon, M. D. Johnston, M.L. McLaughlin, G. G. Meisels, D. J. Merkler, R. M. O'Malley, R. Potter, B. Space, E. Turos, M. Zaworotoko; *Associate Professors:* K. S. Bisht, M. Eddaoudi, J. Lewis, A. Malik, L. Ming, P. Zhang; *Assistant Professors:* M. Acevedo-Duncan, J. Antilla, A. Cardenas, X. Li, R. Manetsch; *Research Assistant Professors:* T. Gauthier, E. Rivera; *Instructors:* K. Caswell, V. Tibbs-Lykourinou S. T. Weldegirma; *Faculty:* L.P. Mercer.

### Chemistry

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