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 which 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. 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 and 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 which is the steppingstone of applied knowledge.

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 has 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 will develop concrete and integrated efforts to link the teaching, research, and service components of our College with the interests and needs of resident, community-based organizations and businesses in the local area. Two major components of the Community Initiative are the Urban Studies College and the Community 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 us. 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.

ADMISSION TO THE COLLEGE

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, Mass Communications, and Social Work are limited access degree programs and have additional requirements listed under Programs and Curricula.

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 also available in the Arts and Sciences Office of Academic Affairs (SOC 102) for continuing students. Following admission, students are counseled by an academic advisor in their major field. Students preparing for a science or mathematics career must plan their courses carefully because of the sequential nature of the science curriculum, and students seeking entrance into a professional school or the medical technology internship program require specialized counseling. The Science Advising Center provides a complete range of advising and informational services to Biology, Chemistry, Geology, Physics, Interdisciplinary Natural Sciences, and Medical Technology Majors. In addition, the center provides a wide range of services to Pre-medical, Pre-dental, Pre-veterinary, Pre-veterinary and other Health Pre-Professional students. These services include advising, workshops on application to professional school, maintenance of evaluation files for professional school applicants, and coordination of health professions student organizations. Center advisors are prepared to assist students with planning their academic program and with incorporating career enhancement opportunities into their educational experience. The center maintains a large library of resource materials related to post-bachelor degree schools and programs, and to careers in the sciences and health professions. Offices are located in CHE 306. Phone: 974-2074, FAX: 974-5314.

TRANSFER CREDITS

Transfer credit for MAT 1033 will only be acceptable towards a bachelor’s degree in the College of Arts and Sciences if it was earned as part of an Associate of Arts degree awarded by a public community college in the State of Florida or is part of a Florida public community college transcript which explicitly indicates that general education or general distribution requirements have been met.

Students enrolled in the College of Arts and Sciences must receive prior approval to take courses at another institution to apply toward a degree at USF.

GENERAL REQUIREMENTS FOR DEGREES

The College of Arts and Sciences offers three undergraduate degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Social Work. A minimum of 120 semester hours credit (124 semester hours for Mass Communications) with an overall average of 2.0 or better in all work completed at the University of South Florida must be attained in order to earn the undergraduate degree. The Bachelor of Independent Studies is an external degree program in which the student proceeds, at his/her own pace.

IT IS YOUR RESPONSIBILITY TO MEET GRADUATION REQUIREMENTS.

1. You must complete at least 120 accepted semester hours with an overall GPA of 2.000. Mass Communications requires 124 hours for the 1987-88 catalog and after.
2. You must have an overall major GPA of 2.000. Note: In Mass Communications you must have a 2.500 GPA in major courses in the 1989 catalog or after; Social Work requires a 2.75 major GPA.
3. You must complete the Foreign Language Entrance Requirement if you entered USF fall semester, 1987 or later. If you are pursuing a B.A. degree, you must complete the Foreign Language Exit Requirement.
4. If you first enrolled in a college in January, 1983 or after, you must satisfy State Rule 6A-10.30 (Gordon Rule) concerning computing and communications. 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 communications portion of the Gordon Rule.
5. You must satisfy Liberal Arts Requirements.

General Education Requirements (36) hours credit

Six (6) hours credit in English Composition
Six (6) hours credit in Quantitative Methods
Six (6) hours credit in Natural Science
Six (6) hours credit in Social Sciences
Six (6) hours credit in Historical Perspectives
Three (3) hours credit in Fine Arts
Three (3) hours credit in African, Latin American, Middle Eastern, or Asian Perspectives
Exit Requirements (9) hours credit
Six (6) hours credit in Major Works and Major Issues
Three (3) hours credit in Literature and Writing
6. Elective Physical Education is limited to 2 semester hours.
7. ROTC is limited to 9 semester hours.
8. Maximum of 20 hours of S/U option; none in major courses.
9. The Audit option is available only during the first 5 days of classes; none permitted later.
10. You must complete at least 9 semester hours during summer terms if you entered USF with fewer than 60 semester hours.
11. "D" grades are not acceptable in the major and supporting sciences for all natural sciences majors. "D" grades are not acceptable for the major area in Communication Sciences and Disorders, Psychology, Social Work, Sociology, Mass Communications, English, History, Humanities, and Communication. Only one "D" is allowed in the major for Criminology. (Important! All grades including "D"s and "F"s are used to calculate all Arts and Sciences major GPA.)
12. You must satisfy all major course requirements.
13. You must complete a minimum of 40 hours of upper-level courses (notated 3000 or above). Most of the major hours fit here. Lower-level course work from 2-year or 4-year schools, though equivalent to a 3000-level course at USF, does not meet this requirement.
14. Thirty (30) of the last 60 semester hours must be completed at USF to fulfill the residency requirement. The departments of Biology, Chemistry, Mathematics, and Physics have established minimum major course hours to be taken in residency at USF. See the department section of the catalog for the required hours. There must be a minimum of 80 hours (90 for Mass Communications) outside of your major department for all majors in arts and letters and social sciences.
15. You must take and pass the CLAST (College Level Academic Skills Test) exam by the time you complete 45 semester hours or in your first term as an upper level transfer student. Only students with a baccalaureate degree, who have previous course work, do not have to take the test. If not passed by 70 hours, remediation will be required. You may still take other courses. If not passed by 96 hours, contact the Office of Evaluation and Testing for further information regarding course work.
16. A maximum of 14 hours of non-degree seeking hours (special student classification) will count for graduation.
17. All USF degree seeking and non-degree seeking students are bound by the drop policy. From the second through the ninth week of classes (time period is different in summer—check class schedule) and between 0-59 semester hours, 3 drops are allowed and between 60 semester hours and graduation 3 more drops are allowed. Students classified as 5 (usually second degree seekers) are also allowed only 3 drops. Additional drops above these numbers result in an automatic "F" grade. Drops within the first 5 days of classes are not considered. Students can drop classes by telephone or by submitting a drop form to the Registrar’s Office. Total withdrawal from all classes in a term is not considered a drop limitation. After the ninth week or for additional drops students must petition the Academic Regulations Committee (ARC). Petitions can be picked up in SOC 102 or in the Science Advising Center in CHE 306.
18. Students must be in attendance the first day each class meets for all classes registered before classes begin. Failure to attend will result in an automatic drop from the class. Do not use this policy as a way to drop classes; drop by telephone. Mandatory First Day Attendance policy is not in effect for any classes for which registration occurs during the first week. Open University courses and certain other categories of courses as indicated in the Schedule of Classes must be dropped by telephone.
19. Students are allowed to repeat a course in which a B, C, D or F has been earned and have only the second grade of A, B, C, or D count in the GPA by submitting a Grade Forgiveness Form. A maximum of 3 grade forgiveness are allowed and grade forgiveness may be used for a course only once. Note: Both the original and repeated courses must be taken at USF. All courses for which forgiveness has been applied are considered for honors.
20. Students are in good academic standing unless the grade point average for courses taken at USF falls below 2.000. (Transfer grades are not considered.) The first semester the gpa falls below 2.000, students are placed on academic probation (AP). If the USF GPA is not raised to 2.000 the next term of enrollment, students are placed on final academic probation (FAP). Students will be permanently dismissed (PAD) if the USF GPA is not raised to 2.000 after three consecutive terms. Students seeking readmission after being permanently dismissed who have documentation to support readmission may petition the Academic Regulations Committee (ARC).

Turn in your graduation application to SOC 102 during the 1st to the 4th week of the semester in which you plan to graduate. Applications are not accepted late.

The Departmental Minor
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 departments/programs: Africana Studies, American Studies, Anthropology, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Foreign Languages, Geography, Geology, Gerontology, History, Humanities, International Studies, Linguistics, Mass Communications, Mathematics, Philosophy, Physics, Political Science, Psychology, Religious Studies, Sociology, and Women’s Studies. In general, these require half as many hours as are required for the major. There are certain restrictions that apply to students earning a minor: (a) students may not use courses in the major for the minor; and (b) ISS majors may not earn a minor in any of the cognate courses needed for the degrees. None of the 20 credits may count toward the 120 hours (124 hours for Mass Communications) needed for the degrees. Students classified as 5 (usually second degree majors) may not count for graduation. Specific requirements for the different minors appear under the departmental summaries listed under Programs and Curricula.

S/U Grades
In the College of Arts and Sciences some courses have S/U grading as an option. S/U contracts must be negotiated in writing within the first three (3) weeks of the term. A maximum of 20 hours of optional S/U credits may be counted towards the 120 hours (124 hours for Mass Communications) needed for the degrees. None of the 20 credits may be taken in the student’s major unless S/U is the only grading option. Freshman English may not be taken S/U.

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.

PROGRAMS LEADING TO THE BACCALAUREATE DEGREE

The departments and programs in the College of Arts and Sciences are Africana Studies, American Studies, Anthropology, Biology, Chemistry, Classics, Communication, Communication Sciences and Disorders, Criminology, Economics, English, Environmental Science and Policy, Geography, Geology, Gerontology, History, Humanities, Independent Studies, Interdisciplinary Social Sciences; International Studies, Liberal Studies, Mass Communications, Mathematics, Medical Technology, Languages and Linguistics, Philosophy, Physics, Political Science, Psychology, Public Administration, Rehabilitation Counseling, Religious Studies, Social Work, Sociology, and Women's Studies. The College of Arts and Sciences offers 53 major fields of study as described in the following pages. In addition to the departmental majors, interdisciplinary majors are offered. Economics offers two majors, one in the College of Arts and Sciences and the other in the College of Business Administration.

Bachelor of Arts
- Africana Studies (AFA)
- American Studies (AMS)
- Anthropology (ANT)
- Biology (NSB)*
- Chemistry (CHM) (NSC)*
- Classics (CLS) - housed in Division of Languages and Linguistics
- Communication (SPE)
- Criminology (CCJ)
- Economics (ECN)
- English (ENG)
- French (FRE)
- Geography (GEO)
- Geology (GIN)
- Gerontology (GEO)
- History (HUM)
- Interdisciplinary Natural Sciences:
  - Biology (INB)
  - Chemistry (INC)
  - Clinical Laboratory Sciences (INL)
- Geology (ING)
- Mathematics (INM)
- Physics (INP)
- Interdisciplinary Social Sciences (ISS)
  - Communication Sciences and Disorders
  - Speech-Language-Hearing Concentration (ISH)
  - American Sign Language Concentration (ISA)
  - Educational Interpreter Concentration (ISI)
- International Studies (INT) - housed in Government & International Affairs
- Italian (ITA)
- Liberal Studies (ALA)
- Mass Communications (COM)
- Mathematics (MTH, MAE*)
- Philosophy (PHI)
- Physics (NSP*, PHY)
- Political Science (POL) - housed in Government & International Affairs
- Psychology (PSY)
- Religious Studies (REL)
- Russian (RUS)
- Sociology (SOC)
- Social Science Education (SSE)*

Bachelor of Science Degree
- Biology (BIO)
- Chemistry (CHS)
- Environmental Science and Policy (ESP)
- Geology (GLY)
- Gerontology (GES)
- Medical Technology (MET)
- Microbiology (MIC) - housed in Biology
- Physics (PHS)

Bachelor of Social Work Degree (B.S.W.)
- Social Work (SOK)

Bachelor of Independent Studies (B.I.S.)
- Independent Studies (BIS)

*Offered jointly with the College of Education.

Honors Programs

Faculty and selected students in the college participate in the University Honors Program. In addition, the College of Arts and Sciences offers undergraduate honors programs in Anthropology, Biology, Classics, Communication, Geology, Mathematics, Philosophy, Political Science, Psychology, and Sociology. Students interested in one of these honors programs should consult the appropriate department for further information.

CERTIFICATES OF CONCENTRATION

Certificate Programs

The Certificate of Concentration is a short-term program for students who are interested in taking a series of courses in a selected area of Arts and Sciences, but are not necessarily interested in a degree. A minimum of 16 hours of approved course work are required. Students working for a Certificate of Concentration may register as special or as degree-seeking students.

Certificate in Asian Studies

Requirements for the 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 are as follows:
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)

Spanish (SPA)
- Women's Studies (WST)

College of Arts and Sciences
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 interdisciplinary understanding of this important area. This certificate is designed for students who want to learn more about the region and have that knowledge formally recognized in their academic record.

The Certificate is granted to a person who takes a minimum of 15 semester hours of courses about Latin America and the Caribbean. One course must be taken in each of four areas: 1) Anthropology, 2) Geography/Government & International Affairs, 3) History, and 4) Art/Humanities/Literature. A fifth course may be taken from a list of other courses or from one of the four core areas.

Students must also demonstrate proficiency in a Latin American or Caribbean language or have two semesters of relevant foreign language courses.

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

The following courses fulfill the certificate requirement. However, these should be considered as a partial list only. The student is strongly encouraged to review the Schedule of Classes each semester for current course offerings.

1) Anthropology
   ANT 4162 South American Archaeology
   ANT 4163 Mesoamerican Archaeology
   ANT 4340 The Caribbean
   ANT 4324 Mexico and Central America
   ANT 4930 Caribbean Popular Culture

2) Geography/Government & International Affairs
   CPO 4930 Latin American Politics
   CPO 5934 Selected Topics: Latin America
   INR 4931 Americas (TV)*
   INR 4931 Latin America through Film
   LAS 3002 Latin America*

3) History
   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
   LAH 3480 History of Cuba
   LAH 3930 US/Latin American Relations
   HIS 3930 History of Brazil
   HIS 3930 Modern Central America
   HIS 3930 Revolutions in Latin America
   HIS 3930 Andean History

4) Art/Humanities/Literature
   SPN 3520 Spanish American Civilization*
   SPT 2524 Women Writers of Latin America
   SPW 3030 Introduction to Hispanic Literature
   SPW 4131 Survey of Spanish American Literature

5) Others
   ECO 4935 Selected Topics: Economics of Latin America
   REL 3375 Issues in Caribbean Religions
   SSE 4380 Global & Multicultural Perspectives in Education

***Field School

When the student has completed the above requirements, the Latin American Studies Advisor will recommend the student for the Certificate.

Information and advice about the certificate program may be obtained from the Latin American and Caribbean Studies Office, CPR 478. Call 974-3547. The program is open to all majors in all colleges.

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 American Studies, Government and International Affairs, Languages & Linguistics, 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 present and 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 Professor Georg H. Kleine at SOC 274, 813-974-2688, or by email: klein@luna.cas.usf.edu.

I. Language Requirement (6)

Students will enroll in two additional semesters of the foreign language they have taken in fulfillment of the College of Arts and Sciences language requirement.

II. 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 3206 History of Twentieth Century Europe
HUM 3251 Studies in Culture: The Twentieth Century
LIT 3144 Modern European Novel
PHM 4331 Modern Political Philosophy
### III. 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 U.S.F. colleges and other universities. Western European study and travel allows students to concentrate on one of the areas of electives. Elective courses under options (2) and (3) will be chosen in consultation with the Coordinator and an Advisory Committee. 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 4943 (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 (3)

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

#### C. History (1-4)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EUH 3142</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>EUH 3202</td>
<td>History of 17th and 18th Century Europe</td>
</tr>
<tr>
<td>EUH 3205</td>
<td>History of Nineteenth Century Europe</td>
</tr>
<tr>
<td>EUH 3206</td>
<td>History of Twentieth Century Europe</td>
</tr>
<tr>
<td>EUH 3461</td>
<td>German History to 1870</td>
</tr>
<tr>
<td>EUH 3462</td>
<td>German History 1870 to Present</td>
</tr>
<tr>
<td>EUH 3501</td>
<td>British History to 1888</td>
</tr>
<tr>
<td>EUH 3502</td>
<td>British History 1888 to Present</td>
</tr>
<tr>
<td>HIS 3930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>HIS 4900</td>
<td>Directed Reading</td>
</tr>
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</table>

#### D. Humanities and American Studies (1-4)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HUM 4437</td>
<td>Italian Renaissance Culture</td>
</tr>
<tr>
<td>HUM 4438</td>
<td>Northern Renaissance Culture</td>
</tr>
<tr>
<td>HUM 4440</td>
<td>Arts and Letters in the 17th and 18th Centuries</td>
</tr>
<tr>
<td>HUM 4442</td>
<td>Arts and Letters of the Romantic Period</td>
</tr>
<tr>
<td>HUM 4444</td>
<td>19th Century European Arts and Letters</td>
</tr>
<tr>
<td>HUM 4445</td>
<td>20th Century European Arts and Letters</td>
</tr>
<tr>
<td>HUM 4905</td>
<td>Directed Study</td>
</tr>
<tr>
<td>HUM 4941</td>
<td>Study on Location</td>
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</tbody>
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#### E. Government and International Affairs (3)

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

#### F. Languages and Linguistics (1-4)

(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

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>FRE 3230</td>
<td>Reading in French Literature and Culture</td>
</tr>
<tr>
<td>FRE 3440</td>
<td>French for Business</td>
</tr>
<tr>
<td>FRE 3500</td>
<td>French Civilization</td>
</tr>
<tr>
<td>FRW 4100</td>
<td>Introduction to French Novel</td>
</tr>
<tr>
<td>FRW 4101</td>
<td>Introduction to French Drama and Poetry</td>
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<tr>
<td>FRE 4905</td>
<td>Directed Study</td>
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##### GERMAN

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GER 3500</td>
<td>German Civilization</td>
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<tr>
<td>GET 3100</td>
<td>German Literature in English</td>
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<tr>
<td>GEW 4100</td>
<td>Survey of German Literature I</td>
</tr>
<tr>
<td>GEW 4101</td>
<td>Survey of German Literature II</td>
</tr>
<tr>
<td>GEW 4900</td>
<td>Directed Study</td>
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<tr>
<td>GEW 4930</td>
<td>Selected Topics</td>
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##### ITALIAN

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ITW 4100</td>
<td>Survey of Italian Literature I</td>
</tr>
<tr>
<td>ITW 4101</td>
<td>Survey of Italian Literature II</td>
</tr>
<tr>
<td>ITW 4905</td>
<td>Directed Study</td>
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##### SPANISH

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>Spanish for Business</td>
</tr>
<tr>
<td>SPN 3441</td>
<td>Advanced Spanish for Business Writing</td>
</tr>
<tr>
<td>SPN 3500</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPW 3030</td>
<td>Introduction to Hispanic Literature</td>
</tr>
<tr>
<td>SPW 4100</td>
<td>Survey of Spanish Literature I</td>
</tr>
<tr>
<td>SPW 4900</td>
<td>Directed Study</td>
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<tr>
<td>SPW 4930</td>
<td>Selected Topics</td>
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### G. Philosophy (3)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PHH 3420</td>
<td>History of Philosophy</td>
</tr>
<tr>
<td>PHH 4440</td>
<td>Continental Philosophy</td>
</tr>
<tr>
<td>PHM 4331</td>
<td>Modern Political Philosophy</td>
</tr>
<tr>
<td>PHP 3786</td>
<td>Existentialism</td>
</tr>
<tr>
<td>PHP 4410</td>
<td>Kant</td>
</tr>
<tr>
<td>PHP 4740</td>
<td>The Rationalists</td>
</tr>
<tr>
<td>PHP 4745</td>
<td>The Empiricists</td>
</tr>
</tbody>
</table>

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

### Certificate in Russian Studies

The College of Arts and Sciences offers a Certificate in Russian Studies for students who wish to gain an intensive multidisciplinary understanding of this important area. A minimum of 23 to 26 semester hours is required of all students seeking such a certificate, and will be distributed in the following manner:

#### Language-Linguistics-Literature

Twelve hours from the following courses, 8 of which must be in language:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 4930</td>
<td>Selected Topics in Linguistics</td>
</tr>
<tr>
<td>RUS 2200</td>
<td>Russian III</td>
</tr>
<tr>
<td>RUS 2201</td>
<td>Russian IV</td>
</tr>
<tr>
<td>RUS 3240</td>
<td>Conversation I</td>
</tr>
<tr>
<td>RUS 3500</td>
<td>Russian Civilization</td>
</tr>
<tr>
<td>RUS 4241</td>
<td>Conversation II</td>
</tr>
<tr>
<td>RUT 3110</td>
<td>Russian Classics in Translation</td>
</tr>
<tr>
<td>RUT 3111</td>
<td>Twentieth Century Russian Literature in Translation</td>
</tr>
<tr>
<td>RUS 2270</td>
<td>Overseas Study</td>
</tr>
<tr>
<td>RUS 3470</td>
<td>Overseas Study</td>
</tr>
<tr>
<td>RUS 4471</td>
<td>Overseas Study</td>
</tr>
</tbody>
</table>

#### History-Political Science-Economics

Six to eight hours from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3002</td>
<td>Introduction to Comparative Politics</td>
</tr>
<tr>
<td>ECO 4323</td>
<td>Marxist Political Economy</td>
</tr>
<tr>
<td>ECO 4935</td>
<td>Russian Political Economy</td>
</tr>
<tr>
<td>EUH 3571</td>
<td>Russian History to 1865</td>
</tr>
<tr>
<td>EUH 3572</td>
<td>Russian History from 1865 to Present</td>
</tr>
</tbody>
</table>

#### International Studies-Geography-Philosophy

Six to eight hours from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUS 3022</td>
<td>Russia</td>
</tr>
</tbody>
</table>
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.

I. CORE COURSES (9-10 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>URS 3002</td>
<td>Introduction to Urban Studies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4442</td>
<td>Urban Life and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ECP 3613</td>
<td>Economics of the Urban Environment</td>
<td>3</td>
</tr>
<tr>
<td>GEO 3602</td>
<td>Urban Geography</td>
<td>4</td>
</tr>
<tr>
<td>POS 3142</td>
<td>Introduction to Urban Politics and Government</td>
<td>3</td>
</tr>
<tr>
<td>SYD 4410</td>
<td>Urban Sociology or Related Courses</td>
<td>3</td>
</tr>
<tr>
<td>ISS 4162</td>
<td>City and Urbanization</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses may have prerequisites within the discipline.

II. METHODS COURSES (select 1 of the following: 3-4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4495</td>
<td>Methods in Cultural Research</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4930</td>
<td>Social Networks</td>
<td>3</td>
</tr>
<tr>
<td>ECO 4935</td>
<td>Economics Statistics</td>
<td>3</td>
</tr>
<tr>
<td>POS 3713</td>
<td>Empirical Political Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 2122</td>
<td>Social Science Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3300</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>SYA 3310</td>
<td>Qualitative Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>GEO 4114C</td>
<td>Geographic Techniques and Methodology</td>
<td>4</td>
</tr>
<tr>
<td>GEO 3164C</td>
<td>Quantitative Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

Courses may have prerequisites within the discipline.

III. ELECTIVES (select 4 from the following list or from the CORE COURSES not counted above: minimum of 12 credits)

<table>
<thead>
<tr>
<th>Field</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>African Studies</td>
<td>AFA 4331</td>
<td>Social Institutions and the African-American Community</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AMH 3572</td>
<td>African American History since 1865</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AMS 3700</td>
<td>Racism in American Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AFA 4335</td>
<td>Black Women in America</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AFA 4931</td>
<td>Social and Cultural Issues in Black Urban Life</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PUP 3313</td>
<td>Blacks in the American Political Process</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>ANT 4316</td>
<td>Ethnic Diversity in the U.S.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ANT 4462</td>
<td>Health, Illness and Culture</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ANT 4705</td>
<td>Applied Anthropology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ANT 4930</td>
<td>Special Topics in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Architecture</td>
<td>ARC 4784</td>
<td>The City</td>
<td>3</td>
</tr>
<tr>
<td>Communication</td>
<td>SPC 3712</td>
<td>Communication and Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>SPC 4714</td>
<td>Communication, Culture and Community</td>
<td>3</td>
</tr>
<tr>
<td>Civil and Environmental Engineering</td>
<td>CES 4000</td>
<td>Structures and Urban Environments for Non-Engineers</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>TTE 5501</td>
<td>Transportation Planning and Economics</td>
<td>3</td>
</tr>
<tr>
<td>Criminology</td>
<td>CCJ 3003</td>
<td>Crime and Justice in America</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CCJ 3024</td>
<td>Survey of the Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 3610</td>
<td>Theories of Criminal Behavior</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 3621</td>
<td>Patterns of Criminal Behavior</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 4110</td>
<td>American Law Enforcement Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 4501</td>
<td>Juvenile Justice System</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 4511</td>
<td>Police and Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 4550</td>
<td>Developmental Aspects of Juvenile Delinquency</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CCJ 4652</td>
<td>Juvenile Substance Use</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 4323</td>
<td>Radical Political Economy</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 4504</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECP 3201</td>
<td>Economics of Women and Work</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECP 3203</td>
<td>Labor Economics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECP 3302</td>
<td>Environmental Economics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECP 3530</td>
<td>Economics of Health</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ECO 4935</td>
<td>Economics of Crime</td>
<td>3</td>
</tr>
<tr>
<td>Geography</td>
<td>GEO 4502</td>
<td>Economic Geography</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>GEO 4604</td>
<td>Advanced Urban Geography</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>GEO 4700</td>
<td>Transportation Geography</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>URP 4052</td>
<td>Urban and Regional Planning</td>
<td>4</td>
</tr>
<tr>
<td>Gerontology</td>
<td>GYE 3606</td>
<td>Community Services for Older Adults</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>AMH 3423</td>
<td>Modern Florida</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AMH 3500</td>
<td>American Labor History</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AMH 3530</td>
<td>Immigration History</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AMH 3572</td>
<td>African American History since 1865</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIS 3930</td>
<td>Special Topics: The City in History</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIS 3930</td>
<td>Special Topics: The History of Tampa</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIS 3930</td>
<td>Special Topics: The History of St. Petersburg</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and American Studies</td>
<td>AMS 3700</td>
<td>Racism in American Society</td>
<td>3</td>
</tr>
<tr>
<td>Interdisciplinary Social Sciences</td>
<td>ISS 4162</td>
<td>The City and Urbanization</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ISS 4164</td>
<td>Urban Social Issues: An Interdisciplinary Approach</td>
<td>3</td>
</tr>
</tbody>
</table>
The College of Arts and Sciences offers programs designed to prepare students for admission to professional schools of dentistry, medicine, osteopathic medicine, and podiatric medicine. 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 (3,1)
- BSC 2011, 2011L (3,1)

**Chemistry:**
- CHM 2045 (3)
- CHM 2045L (1)
- CHM 2046 (3)
- CHM 2046L (1)

**Physics:**
- PHY 2053 (3)
- PHY 2053L (1) or PHY 2048L (1)
- PHY 2054 (3)
- PHY 2049L (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 acceptable to professional schools.

The following courses are recommended by some professional schools:

**Biology:**
- MCB 3030C (4)
- PCB 3023, 3023L (3,1)
- PCB 3063, 3063L (3,1)
- PCB 5235 (3)
- ZOO 4603 (4)
- ZOO 4753C (4)

**Chemistry:**
- BCH 3023 (3)
- BCH 4034 (3)
- CHM 3120C (4)
- CHM 3400 (3)
- CHM 3401 (3)

An early admission program has been established in affiliation with the University of South Florida College of Dentistry, which would allow students to be admitted to dental school after three years at the University of South Florida, completing a baccalaureate degree and dental school in a total of seven years. In order to be eligible for early admission to the College of Dentistry, a high school student must be accepted by the University of South Florida and must meet the following requirements: overall high school gpa of no less than 3.5, as computed by the University of Florida; total SAT of no less than 1260, or ACT of no less than 29; high school science gpa of no less than 3.5 with courses completed in both biology and chemistry; apply during the senior year of high school and be
approved for admission by the College of Dentistry Admissions Committee following a formal interview. Following admission into the joint program, final acceptance to the College of Dentistry is contingent upon the student completing all required courses; earning a GPA of no less than 3.4 for all courses attempted and no less than 3.2 for courses in biology, chemistry, physics, and mathematics; and completing the Dental Admissions Test with a score of no less than 16 on each section of the test. It is also possible for students to apply for early admission during the freshman and sophomore years at the University of South Florida. Additional information is available in the Science Advising Center.

Pre-optometry Program
Optometry schools differ somewhat in requirements, but all optometry schools require at least two years of pre-optometry studies, and most schools require the following courses:

**Biology:**
- BSC 2010, 2010L (3,1)
- BSC 2011, 2011L (3,1)
- MCB 3030C (4)

**Chemistry:**
- CHM 2045 (3)
- CHM 2045L (1)
- CHM 2046 (3)
- CHM 2046L (1)
- CHM 2210 (3)
- CHM 2210L (2)
- CHM 2211 (3)
- CHM 2211L (2)

**Mathematics:**
- MAC 2233 (4)
- STA 2023 (4) or STA 2122 (3)

**Physics:**
- PHY 2053 (3)
- PHY 2053L (1)
- PHY 2054 (3)
- PHY 2054L (1)

Most schools require at least one semester of psychology (PSY 2012). Students should check requirements of individual schools and complete requirements for those schools where they plan to apply for admission.

A joint program between USF and Nova-Southeastern University College of Optometry allows students to complete a baccalaureate degree and doctor of optometry degree in a seven-year program. Freshmen may apply for the joint program by applying for admission to USF and also applying for admission to Nova-Southeastern. Both major concentration and supporting courses.

Pre-veterinary Medicine Program
The pre-veterinary medicine program meets admission requirements of the University of Florida College of Veterinary Medicine, the only veterinary school in the state. Admission into veterinary school is highly selective, and to be competitive students should obtain experience working with animals, preferably through employment with a veterinarian. Pre-veterinary students should complete a degree in the major of their choice while including the following entrance requirements:

**Biology:**
- BSC 2010, 2010L (3,1)
- BSC 2011, 2011L (3,1)
- MCB 3030C (4)

**Chemistry:**
- CHM 2045 (3)
- CHM 2045L (1)
- CHM 2046 (3)
- CHM 2046L (1)
- CHM 2210 (3)
- CHM 2210L (2)
- CHM 2211 (3)
- CHM 2211L (2)
- BCH 3023 (3)

**Mathematics:**
- MAC 2233 (4)
- MAC 2234 (4) or MAC 2311 (4)
- STA 2023 (4)

**Physics:**
- PHY 2053 (3)
- PHY 2053L (1) or PHY 2048 (3)
- PHY 2054 (3)
- PHY 2048L (1)
- PHY 2054L (1)

It is required that students have a minimum of 80 hours including 6 hours of English composition, 6 hours of social science, 9 hours of humanities, and 8 hours of animal science courses, which must be completed at the University of Florida. Recommended courses are ZOO 2713C (4), ZOO 4603 (4), and PCB 4723, 4723L (3,1).

B.A. 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 such as those described above or the University Honors Program.

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.A. degree in Interdisciplinary Natural Sciences from the College of Arts and Sciences subject to the following conditions:

1. Transfer of a minimum of 30 semester hours in science courses from an accredited medical or dental school.
2. Fulfillment of the following minimum requirements in attendance at the University of South Florida:
   a. 90 hours with at least a "C" average (2.000).
   b. Completion of a minimum of 24 hours in the department of major concentration and a minimum of 16 hours in supporting courses in sciences outside the department of major concentration. The 24 hours in the department of major concentration must be in courses applicable to a major in that department. The 16 hours in supporting courses must also be taken in courses applicable to a major in that department and must include a minimum of two courses at the 3000 level or above. At least a "C" must be earned in each course in both major concentration and supporting courses.
3. Credit in the following courses:
   **Biology:**
   - BSC 2010, 2010L (3,1)
   - BSC 2011, 2011L (3,1)
   **Chemistry:**
   - CHM 2045 (3)
   - CHM 2045L (1)
   - CHM 2046 (3)
   - CHM 2046L (1)
   - CHM 2210 (3)
   - CHM 2210L (2)
   - CHM 2211 (3)
   - CHM 2211L (2)
   **Mathematics:**
   - MAC 2233 (4)
   - MAC 2234 (4) or MAC 2311 (4)
   - STA 2023 (4)

4. A minimum of 20 credits from the following courses:
   **Biology:**
   - MCB 3030C (4)
   - PCB 3023, 3023L (3,1)
   - PCB 3063, 3063L (3,1)
   - PCB 5235 (3)
   - ZOO 2713C (4)
   - ZOO 4603 (4)
   **Chemistry:**
   - CHM 3400 (3)
   - CHM 3401 (3)
   **Mathematics:**
   - MAC 2233 (4)
   - MAC 2312 (4)
   - MAC 2314 (4) or MAC 2311 (4)
   - STA 2023 (4)

5. Completion of the University Liberal Arts requirements and foreign language requirement for the B.A. degree.
6. The last 30 credit hours prior to transfer to a medical or dental school in residence at the University of South Florida. Application for the baccalaureate 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, 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.

Prerequisites (State Mandated Common Prerequisites)
Students are encouraged to complete the A.A. degree and include the following courses, if available, during the program of study at the community college:

- One year each, if offered of:
  - General Biology
    - (BSC 2010, 2010L and BSC 2011, 2011L) 8
  - General Chemistry
    - (CHM 2045, 2045L and CHM 2046, 2046L) 8
  - Organic Chemistry
    - (CHM 2210, 2210L and CHM 2211, 2211L) 8-10

General Physics
- (PHY 2053, 2053L and PHY 2054, 2054L or PHY 2048, 2048L and PHY 2049, 2049L) 8

College Mathematics
(some schools require calculus) 8
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.

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

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.A. Degree Program for Secondary School Teachers
The College of Arts and Sciences offers a B.A. in Education (SCE)” or “Social Science Education (SSE)” for the degree programs for secondary school teachers and the M.A. degree in Social Science Education (SSE). Because requirements exist in both colleges, a student will have an advisor in each college. At the outset, the planned courses in mathematics and science must be approved by the student’s advisor in the College of Arts and Sciences.

There are two options available to the student to satisfy the science portion of the program:
1. The student may complete the requirements of the departmental major. The departmental requirements of Biology, Chemistry, Mathematics, and Physics are found in this section of this catalog under the respective headings in Biology, Chemistry, Mathematics, and Physics.
2. The student may complete requirements of the Interdisciplinary Natural Sciences major with concentration in Biology, Chemistry, Physics, and Mathematics. A complete description of this major is found in this section of this catalog under the heading Interdisciplinary Natural Sciences.

Prospective students should consult the College of Education portions of this catalog under the heading “Science Education (SCED)” or “Social Science Education (SSE)” for the required education courses and sample programs.

PROGRAMS AND CURRICULA

AFRICANA STUDIES (AFA)

Africana Studies is a liberal arts program which offers both a major and a minor. This program provides all students with the opportunity (1) to study the history, culture and lived experiences of people of African descent in the United States, Africa, the Caribbean, and elsewhere; (2) to study the influence of Africa and people of African descent on world and U.S. thought, culture, and politics; (3) to study the social construction and consequences of race and racism; (4) to develop needed critical thinking skills to address the often narrow and Eurocentric bias in the current knowledge base; and (5) to examine their personal experiences, prejudices, and possible contributions in a multi-racial, multi-cultural society.

Students who major or minor in Africana Studies have the option of emphasizing African-American Studies (including the Caribbean), African Studies, or both. Admission to the Africana Studies major or minor is open to all students who have been duly admitted to the University of South Florida.

• Requirements for the Major in Africana Studies
The major in Africana Studies consists of a minimum of 36 hours. Students may choose an area of emphasis in African-American Studies, African Studies, or Africana Studies (both). The requirements for the majors are as follows:

- Required Core Courses for all areas (15 cr. hours):
  - AFA 2000 (3) AFH 3200 (3) AMH 3572 (3)
  - AFH 3100 (3) AMH 3571 (3)

- Required Electives (select 21 cr. hours):
  - African-American Studies (suggested):
    - AFA 4331 (3) ANT 4340 (3) PUP 3313 (3)
    - AFA 4335 (3) AML 3604 (3) HUM 2420 (3)
    - AMS 3700 (3) PHM 4120 (3) AFA 4931 (1-3)
    - SPC 3710 (3) AML 4303 (3)
  - African Studies (suggested):
    - AFS 2250 (3) CPO 4204 (3) HUM 2420 (3)
    - AFA 4150 (3) INR 4254 (3) PHI 4073 (3)
    - AFA 4335 (3) AML 4303 (3)
    - AFS 3284 (3)
  - Africana Studies (suggested):
    - AFA 4331 (3) ANT 4340 (3) PHI 4073 (3)
    - AFA 4335 (3) AML 4304 (3) PHM 4120 (3)
    - AFS 2250 (3) CPO 4204 (3) AMH 3572 (3)
    - AML 3604 (3) HUM 2420 (3) AFA 4931 (1-3)
    - SPC 3710 (3) AMS 3700 (3) AFS 3284 (3)

• Requirements for the Minor in Africana Studies
The minor in Africana Studies requires a minimum of 18 credit hours. As in the major, students may choose an area of emphasis in African-American Studies, African Studies, or Africana Studies (both). The requirements for the minor are as follows:

- Africana Studies (Minimum of 18 hours):
  - Required Core Courses (select 9 cr. hours):
    - AFA 2000 (3) AFH 3100 (3) or AFH 3200 (3)
    - AMH 3571 (3) or AMH 3572 (3)
  - Required Electives (select 9 cr. hours):
    - AFA 4033 (3) AML 3604 (3) HUM 2420 (3)
    - AFA 4150 (3) INR 4254 (3) AFA 4335 (3)
    - AMS 3700 (3) PHI 4073 (3) AFA 4931 (3)
    - ANT 4340 (3) PUP 3313 (3) CPO 4204 (3)
    - SPC 3710 (3)

- African-American Studies (Minimum of 18 hours):
  - Required Core Courses (9 cr. hours):
    - AFA 2000 (3) AMH 3571 (3) AMH 3572 (3)
  - Required Electives (select 9 cr. hours):
    - AFA 4033 (3) AML 3604 (3) HUM 2420 (3)
    - AFA 4150 (3) ANT 4340 (3)
    - AFA 4331 (3) AMH 3571 (3) PHM 4120 (3)
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: physical anthropology, archaeology, 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 which purports to define and account for regularities in human life.

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 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 3.0 GPA overall, 3.5 GPA for USF anthropology coursework) and a letter of recommendation from a member of the Department of Anthropology. Success in anthropology course work) and a letter of recommendation from a member of the Department of Anthropology. Successful completion of the program requires maintenance of a 3.0 overall and a 3.5 major GPA levels, completion of ANT 4935 (Honors Seminar) with a grade of “B” or better, completion of ANT 4970 (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.

- Requirements for the Minor in Anthropology
  The minor in Anthropology consists of a minimum of 18 credit hours. ANT 2000 is prerequisite to all subsequent courses. 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 and ANT 4935 complete the specific requirements. Majors are required to complete a minimum of 12 hours of 4000-level elective coursework, including courses from at least three of the four subfield areas shown below.

  - **Physical Anthropology**
    - ANT 4520 (3)
    - ANT 4552 (3)
    - ANT 4583 (3)
    - ANT 4587 (3)

  - **Anthropological Linguistics**
    - ANT 4620 (3)
    - ANT 4750 (3)

  - **Cultural Anthropology**
    - ANT 4226 (3)
    - ANT 4312 (3)
    - ANT 4442 (3)
    - ANT 4231 (3)
    - ANT 4316 (3)
    - ANT 4462 (3)
    - ANT 4241 (3)
    - ANT 4324 (3)
    - ANT 4495 (3)
    - ANT 4302 (3)
    - ANT 4340 (3)
    - ANT 4705 (3)
    - ANT 4305 (3)
    - ANT 4432 (3)
    - MUH 4054 (3)

  - **Archaeology**
    - ANT 4153 (3)
    - ANT 4180 (4)
    - ANT 4124 (4)
    - ANT 4162 (3)
    - ANT 4181 (4)
    - ANT 4158 (4)
    - ANT 4172 (3)
    - ANT 4163 (3)

- Requirements for the Major in Anthropology
  The major in Anthropology consists of a minimum of 33 credit hours. Required Core Courses (select 9 cr. hours) ANT 2000 is prerequisite to all subsequent courses. Required Electives (select 9 cr. hours) ANT 3101 (3-6 cr. hrs.) ANT 2410 (3) ANT 3101 (3) ANT 2511 (3) ANT 4034 (3) ANT 3101 (3) ANT 3610 (3) ANT 4935 (3) ANT 2410 (3)

- Prerequisites (State Mandated Common Prerequisites)
  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 you transfer without an A.A. degree and have fewer than 60 semester hours of acceptable credit, you must meet the university’s entering freshman requirements including ACT or SAT test scores, GPA, and course requirements.

  Students are encouraged to complete the following 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.

  ANT 2000 Introduction to the Black Experience
  - In Africa & Its Diaspora
  - AMH 3572 Afro-American History I
  - AMH 3575 Afro-American History II
  - 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.
Prerequisites (State Mandated Common Prerequisites)

Students transferring 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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. 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, introductory courses in Anthropology prior to entering the University. If not taken at the community college, they must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade.

### BACHELOR OF INDEPENDENT STUDIES (BIS)

The Bachelor of Independent Studies (BIS) Program is the State University System External Degree Program. The universities currently involved are Florida International University, Florida State University, the University of Florida, the University of North Florida, and the University of South Florida. The administrative office for the statewide program is located at USF in Tampa.

Founded in 1968, the external degree program is for adults who find it difficult to attend regular university classes because of careers or family commitments. The BIS student proceeds at his/her own pace and, for the most part, in his/her own setting. The exception is the summer seminars which require periodic, short-term campus residence.

### Curriculum

The curriculum consists of four study areas: the Humanities, Natural Sciences, Social Sciences and an Inter-area Study. The first three areas of study are completed through a tutorial and a resident seminar. While the seminar is of short duration, the tutorial for each area requires a longer commitment of time. The student may begin in any of the first three study areas and is encouraged to start in his/her area of strength.

### Tutorials

The tutorial or guided independent study is predominately print intensive, with core and suggested readings drawn from the BIS Guide to Independent Studies. In the Humanities tutorial, for example, the student reads across the disciplines of the Humanities Study Area which include Language, Literature, Philosophy, Art, Drama, and Architecture. Selected works are reviewed within the framework of historical periods. Tutorial objectives include knowledge of the basic principles of each of the genres and periods, the ability to visualize relationships between the disciplines, grasp of the nomenclature of the disciplines, and the capacity to apply basic concepts to current issues. The student is responsible for systematic interaction with the faculty mentor who directs the reading process and evaluates the student’s progress.

In the Natural Sciences tutorial, the BIS learner studies Science -- Science for the non-scientist. Emphasis is placed on the interrelationships of the disciplines of Science. Topics illustrative of this interdisciplinary approach to Sciences include Mathematics, Physics, Chemistry, Biology, Astronomy, Geology, Ecology, History, and Philosophy of Science, and the impact of Science on Technology. As is the case with other tutorials the learning objectives involve concepts, nomenclature, cross-disciplinary insights, and application of concepts/methods to current issues.

In the Social Sciences tutorial, the student reads selected core and supplementary reading and completes written projects in each of the basic disciplines of the Social Science Area. These include Anthropology, Economics, Geography, History, Political Science, Psychology, Women’s Studies, and Sociology. Tutorial objectives include knowledge of the basic concepts and principles of each discipline, familiarity with major social science research techniques, understanding of the relationships among the different disciplines, and the ability to apply disciplinary or interdisciplinary concepts or models to current issues.

Following each tutorial, the student completes a comprehensive examination in order to demonstrate that a satisfactory level of proficiency has been attained in the independent study component of a particular area. The exam may be taken on or off campus. A research paper is also undertaken in each of the tutorials. It is normally done at the end of a tutorial.

### Seminars

Students are required to attend two-week long seminars on the USF campus. There is a seminar for each of the first three study areas (Humanities, Natural Sciences, and Social Sciences). Each seminar represents a period of intensive residential learning under the direction of a team of faculty members. Seminar tutorial teams identify the subject matter and activities of each seminar. Humanities seminars, for example, are often theme-oriented but the focus is on interdisciplinary concerns. A number of historical periods may be approached through discussion of art, music, literature, and architecture. In a Natural Sciences seminar, the focus is on an interdisciplinary approach to learning about Science. Social Sciences seminars and the University faculty focus on the knowledge gained in the tutorial with an emphasis on synthesis, extension, and application of this learning to selected topics such as energy, patterns of human behavior, and human rights.

Seminar activities also vary with the study area. A visit to a museum or art gallery goes with a Humanities Seminar. In Science, laboratory experiences and field trips are utilized to show students the ways of Science and to allow them to experience the excitement of discovery. Many of the activities described in a Social Sciences seminar syllabus are used in other seminars as well, i.e., lectures by faculty team members or guest lecturers, presentations by group members, group discussion, library research, learning journals, and a research paper.

Students in all seminars may be asked to read materials related to the seminar theme prior to the seminar and to complete written assignments after the completion of the two-week seminar period. Seminars meet for two consecutive six-day weeks and activities take up a full day. Further study and assignments occupy the evening hours.

### Undergraduate Thesis

The fourth study area or Inter-area Study calls for a synthesis of the first three study areas via the preparation and defense of an undergraduate thesis. The student begins the Area with Inter-area reading leading to the completion of an undergraduate thesis prospectus under the direction of a primary adviser. Following approval of the prospectus by a committee composed of three faculty, the student writes the study under the direction of the committee chairperson. The final step is to complete successfully an oral examination on the thesis.

### Admission Procedures

Applicants must qualify for admission to the University of South Florida and for admission to the B.I.S. Program. The USF Director of Admissions rules on the admission of an applicant to the University. The BIS Committee rules on admission of an applicant to the BIS Program. BIS applicants typically welcome the challenge of liberal studies and the rigor of independent study. BIS students pay regular USF tuition for undergraduate students.

### Mechanisms for Recognizing Prior Learning

Individuals with an A.A. degree from a State of Florida
community or junior college, and Registered Dental Hygienists, Registered Nuclear Medicine Technologists, Registered Nurses, Registered Radiologic Technologists, and Registered Respiratory Therapists with an A.S. degree from a state-approved program qualify for a "two-plus-two" interface with BIS requirements. In other words, those with an appropriate associate's degree complete two substantive study areas involving two tutorials and two seminars. The two study areas (Social Sciences & Natural Sciences or Humanities & Social Sciences or Natural Sciences & Humanities) are stipulated by the BIS Committee. The BIS Committee normally picks the two areas in which a student has the least background.

The Program is academically responsible to the Dean of the College of Arts and Sciences. The BIS Committee is advisory to the Provost.

For further information, contact the State University System, External Degree Program, Bachelor of Independent Studies (BIS) located at HMS 443, University of South Florida, Tampa, Florida 33620-8400. Telephone: 813-974-4058. E-mail: bis@luna.cas.usf.edu

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 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.

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

**Biology (Bio/MIC)**

Two specific Bachelor of Science degrees, Biology and Microbiology, are available for students interested in the biological sciences. The B.S. in Biology allows students to concentrate in such areas as Ecology, Cell & Molecular Biology, Physiology, and Marine Biology. The degree 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. The B.S. in Microbiology provides students with the broad range of courses necessary to qualify for certification by the National Registry of Microbiologists, American Society of Microbiology, and employment in microbiology and related fields.

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 Department in structuring their programs. See the Undergraduate Program Assistant for further details of advising.

- **Requirements for the Biology B.S. Major (Bio)**
  - 1. Department of Biology Courses - minimum 40 credit hours
  - a. BSC 2010, BSC 2010L, BSC 2011, BSC 2011L
  - b. PCB 3023, PCB 3043, and PCB 3063
  - c. ONE of the following: PCB 3023L, PCB 3043L, or PCB 3063L
  - d. ONE of the following (with laboratory): BOT 3373C, MCB 3030C, ZOO 3205C, ZOO 3323C, ZOO 4603C, or ZOO 4703C
  - e. ONE of the following (with laboratory): BOT 4503, MCB 4404, or PCB 4723
  - f. The remaining credit hours to meet the minimum requirements must come from among structured departmental courses that are applicable to the major and BCH 3023. At least eight (8) of these credit hours must be at the 4000 level or higher.
  - g. A maximum of four (4) credit hours of Undergraduate Research (BSC 4910) or Biology Honors Thesis (BSC 4970) may be applied.
  - h. A minimum of 20 hours of Biology courses must be taken in residency and be applicable to the major.

- **Requirements for the Microbiology B.S. Major (MIC)**
  - 1. Department of Biology Courses - minimum 42 credit hours
  - a. BSC 2010, BSC 2010L, BSC 2011, BSC 2011L
  - b. PCB 3023, PCB 3023L, PCB 3043, and PCB 3063
  - c. MCB 3030, MCB 4115, MCB 4404, and MCB 4404L
  - d. Ten (10) hours from the following list: BOT 4434, MCB 4502, MCB 4652, MCB 4910, MCB 4934, MCB 5206, MCB 5815, PCB 5235, ZOO 5235, BCH 3023L
  - e. A maximum of four (4) credit hours of Undergraduate Research (MCB 4910) or Biology Honors Thesis (MBC 4970) may be applied.
  - f. A minimum of twenty (20) hours of Biology courses must be taken in residency and be applicable to the major.

Prerequisites (State Mandated Common Prerequisites)

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**
  - Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012

- **BSC 1011/1011L Introduction to Biology II-Diversity**
  - Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- **CHM 1045/1045L General Chemistry I (with lab)**
  - Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- **CHM 1046/1046L General Chemistry II (with lab)**
  - Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- **CHM 2210/2210L Organic Chemistry I (with lab)**
  - Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent

- **CHM 2211/2211L Organic Chemistry II (with lab)**
  - Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, 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, 2362

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.

Prerequisites (State Mandated Common Prerequisites)

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**
  - Acceptable substitutes: PCB X010, PCB X011, PCB X021, PCB X131, BSC X040, BSC 2012

- **BSC 1011/1011L Introduction to Biology II-Diversity**
  - Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- **CHM 1045/1045L General Chemistry I (with lab)**
  - Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- **CHM 1046/1046L General Chemistry II (with lab)**
  - Acceptable substitutes: ZOO X010, BOT X010, BSC X041, BOT X013

- **CHM 2210/2210L Organic Chemistry I (with lab)**
  - Acceptable substitutes: PHY 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent

- **CHM 2211/2211L Organic Chemistry II (with lab)**
  - Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, 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, 2362

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.
2. Supporting Courses in the Natural Sciences - minimum 37 credit hours
   a. CHM 2041, CHM 2045L, CHM 2046, and CHM 2046L
   b. CHM 2210, CHM 2210L, CHM 2211, and CHM 2211L
   c. MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282
   OR MAC 2311 and MAC 2312 OR MAC 2233 and STA 2023
   d. PHY 2048, PHY 2048L, PHY 2049, and PHY 2049L OR PHY 2053, PHY 2053L, PHY 2054, and PHY 2054L
   e. BCH 3023
3. Liberal Arts Courses - minimum 45 credit hours
4. Free Elective Courses needed to complete 120 credit hours.

Prerequisites (State Mandated Common Prerequisites)

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 2043/2043L, PHY 2048/2048L, PHY 2049/2049L, or equivalent

CHM 2211/2211L Organic Chemistry II (with lab)
Acceptable substitutes: PHY 2053/2053L, PHY 2048/2048L, PHY 2049/2049L, or equivalent

MACX311 Calculus I
Acceptable substitutes: MAC 2233, MAC 2253, MAC X281

MACX312 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.

Minimum Grade for Majors

All courses in a chemistry program must be taken with letter grade (A,B,C,D,F,) except those courses which are graded S/U only. (D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.) Nine hours of upper-level chemistry courses must be completed at USF.

The required sequence of Chemistry courses should be started immediately in the freshman year and the mathematics and physics requirements should be completed before the junior year so that CHM 3400 Elementary Physical Chemistry I (B.A. degree) or CHM 4410 Physical Chemistry I (B.S. degree) can be commenced by that time. 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.

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.

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 disciplines.

CHEMISTRY (CHS/CHM)

The Department of Chemistry awards two degrees at the baccalaureate level, the Bachelor of Arts in Chemistry and the Bachelor of Science in Chemistry, and 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. In addition, a Master of Arts degree is offered as part of a carefully integrated accelerated B.A.-M.A. program. The chemistry faculty is comprised of 24 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 which 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.

- Requirements for the Majors in Chemistry

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,) except those courses which are graded S/U only. (D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.) Nine hours of upper-level chemistry courses must be completed at USF.

The required sequence of Chemistry courses should be started immediately in the freshman year and the mathematics and physics requirements should be completed before the junior year so that CHM 3400 Elementary Physical Chemistry I (B.A. degree) or CHM 4410 Physical Chemistry I (B.S. degree) can be commenced by that time. 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.

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.

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 disciplines.
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.

**Required Chemistry Courses** (27 cr. hrs.)

- 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 3400 Elementary Physical Chemistry I (3)
- CHM 3401 Elementary Physical Chemistry II (3)
- CHM 3402L Elementary Physical Chemistry Lab (1)
- CHM 3610 Intermediate Inorganic Chemistry I (3)
- CHM 3610L Intermediate Inorganic Chem. I Lab (1)

**Required Chemistry Electives** (6 cr. hrs.)

Suggested courses: BCH 3023, BCH 3023L, CHS 4300, CHM 4060, CHM 4070, CHM 4130, CHM 4611, CHM 4970, CHM 4932*.

*Content varies each semester.

**Required Supporting Courses** (14-16 cr. hrs.)

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

**Required Chemistry Electives** (27 cr. hrs.)

- 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 3400 Elementary Physical Chemistry I (3)
- CHM 3401 Elementary Physical Chemistry II (3)
- CHM 3402L Elementary Physical Chemistry Lab (1)
- CHM 3610 Intermediate Inorganic Chemistry I (3)
- CHM 3610L Intermediate Inorganic Chem. I Lab (1)

**Required Chemistry Electives.** (12 cr. hrs.)

Minimum of 12 hrs. selected from the following:

- BCH 4034 Advanced Biochemistry (3)
- CHM 3400 Elementary Physical Chemistry I (3)
- CHM 3401 Elementary Physical Chemistry II (3)*
- CHM 3610 Intermediate Inorganic Chemistry I (3)*
- CHM 3610L Intermediate Inorganic Chem. I Lab (1)*


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

The Bachelor of Chemistry offers a unique opportunity for students to pursue further 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.

**Required Chemistry Courses** (27 cr. hrs.)

- 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)
- BSC 3023 Introductory Biochemistry (3)
- BSC 3023L Basic Biochemistry Lab (2)
- CHS 4300 Fundamentals of Clinical Chem. (3)
- CHM 4130C Methods of Instrumental Analysis (4)*

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

**Required Supporting Courses** (22-24 cr. hrs.)

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

Other suggested electives important for advanced studies in biochemistry: CHM 4932*, CHM 4070, PCB 3063, PCB 5235, PCB 5525, STA 3023, MCB 3030, MCB 4502, PCB 4253, PCB 5845, EVR 2001.

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

A chemistry core is essential for preparation for medical, dental, veterinary 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.

**Required Chemistry Courses** (30 cr. hrs.)

- 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)
- BSC 3023 Introductory Biochemistry (3)
- BSC 3023L Basic Biochemistry Lab (2)
- CHS 4300 Fundamentals of Clinical Chem. (3)
- CHM 4130C Methods of Instrumental Analysis (4)

**Required Chemistry Electives.** (9 cr. hrs.)

Minimum of 9 hrs. selected from the following:

- BCH 3023L Basic Biochemistry Lab (2)
- BCH 4034 Advanced Biochemistry (3)*
- CHM 3400 Elementary Physical Chemistry I (3)*
- CHM 3401 Elementary Physical Chemistry II (3)*
- CHM 3610 Intermediate Inorganic Chemistry I (3)*
- CHM 3610L Intermediate Inorganic Chem. I Lab (1)*
- CHM 4060 Use of the Chemical Literature (1)

**Required Supporting Courses** (22-24 cr. hrs.)

- MAC 2311 (4) or MAC 2281 (3)
- MAC 2312 (4) or MAC 2282 (3)
- PHY 2053 (3) or PHY 2054 (3)
- PHY 2053L (1) or PHY 2054L (1)
- BSC 2010 (3) or BSC 2010L (1)
- PCB 4723 (3) or PCB 3023L (1)

Other suggested electives important for advanced studies in health professional vocations: BSC 2011, PCB 3063, PCB 5235, PCB 5525, STA 3023, MCB 3030, MCB 4502, 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 which 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.

**Required Chemistry Courses**  
(50 cr. hrs.)

- CHM 2046 General Chemistry I (3)
- CHM 2045L General Chemistry I Lab (1)
- CHM 2046 General Chemistry II (3)
- CHM 2045L 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)
- BCh 3023L Basic Biochemistry 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 4050 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 (3)
- CHM 4411 Physical Chemistry II (3)
- CHM 4412 Physical Chemistry III (3)
- CHM 4611 Advanced Inorganic Chemistry (3)

**Required Supporting Courses**  
(20-23 cr. hrs.)

- MAC 2311 Calculus I (4)  
- MAC 2312 Calculus II (4)  
- MAC 2313 Calculus III (4)  
- PHY 2048 Elementary Physics I (3)  
- PHY 2048L Elementary Physics I Lab (1)

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

- 1 - 3000 level course (PHY 3101, MAP 4302 suggested)  
- 2 - 2000 level courses (BSC 2010, BSC 2011, GLY 2010, GLY 2100, EGR 2050, CGS 2060, CGS 2100, EGN 2210)

Other suggested Chemistry electives: CHM 4970, BCh 3023L, CHM 4070, CHM 4932*.

*Content varies each semester.

**Environmental Concentration:**

Chemical science is a core component of environmental science both in the analysis of environmental conditions and in the solution of environmental problems. B.A. and B.S. chemistry majors wishing to concentrate on environmental concerns should complete BSC 2011C and 2010C, GLY 2010 and 2010L, and EGR 2001 and 2001L. Electives should be considered include GLY 4822, GLY 5246, STA 3023 and EGR 4910.

**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 to leave the transfer student ill-prepared to proceed within a sequence.

**Teacher Education Programs:**

For information concerning the degree programs for secondary school teachers, see College of Education section this Catalog and junior college teachers, see USF Graduate Catalog.

- **Combined BA-MA Program Admission**

Regular admission to the program will normally occur towards the end of the sophomore year or early in the junior year, or at transfer from junior college. Students who have completed more than 90 semester credit hours of chemistry courses, and have maintained a "B" average in chemistry courses and overall, may apply. Applications will be considered individually and applicants may be called for interview. Provisional admission may be granted to incoming freshmen whose academic background and performance indicate the likelihood of their meeting the regular requirements in due course. It should be noted that, in view of the heavy research component and orientation of the program, and the limitations of facilities and individual faculty time available for research direction, admission to the program is by no means automatic upon meeting minimum requirements.

**Course Requirements**

Undergraduate: The B.A. coursework curriculum (q.v.) is augmented as follows:

1. CHM 4410, 4412, and 4130C (or CHS 4310C) replace CHM 3400, 3401 and 3402C.
2. Chemistry coursework hours (excluding research) total 42 rather than 41.

Graduate: Not less than 20 credit hours of formal, regularly scheduled chemistry graduate courses, including not less than two of the five core courses (BCH 5065, CHM 5225, CHM 5425, CHM 5621, CHM 6150). At least 10 of the credit hours must be at the 6000 level. The core course requirement may be waived in part or entirely by recommendation of the supervisory committee on the basis of past work, performance on a test, or substitution of more comprehensive and advanced courses.

**Research and Thesis**

CHM 4970 (12) CHM 6973 and CHM 6971 (10)

To satisfy the research credit hour requirements and to produce results suitable for publication in a refereed scientific journal, it will be necessary for the student to be enrolled during the summers of his junior, senior and graduate years. Completion of the program will require the presentation and formal defense of a research thesis for the master's degree.

**Supervision and Promotion**

A supervisory committee consisting of two faculty members will be appointed for each student admitted to the program. A carefully planned individual timetable will be worked out and progress will be monitored each semester. Continuation from the senior year into the graduate year will be contingent upon the maintenance of the "B" average in chemistry and overall, and upon satisfactory recommendation by the student's research director. Diagnostic and qualifying examinations will not be required of students in this program. The supervisory committee during the graduate year will consist of three faculty members, including the research director.

**Prerequisites (State Mandated Common Prerequisites)**

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/CHM 405 General Chemistry I (with lab) or CHM 1040&1041, or 1045C, or 1045E
- CHM X046/CHM 406L General Chemistry II or CHM 1046C, or 1046E
- MAC 2311 Calculus I
- MAC 2312 Calculus II
Communication (SPE)

Communication studies focus on the concepts, theories, and practice of human communication in a variety of contexts. Students apply their understanding of communication research and principles to personal, professional, and community relationships and concerns.

The department encourages students to tailor their program of study to meet their own interests. Majors select from one of three areas of concentration described below.

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 "D" within a departmental course will not be counted toward a Communication major. Courses may not be taken S/U where a grade option exists. The requirements for the Communication major are:

I. Prerequisites (3 hours)

- This course is a prerequisite for declaring the communication major.
- SPC 2500 Public Speaking (3)

II. Core Distribution Requirements (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 areas.
- COM 2000 Introduction to Communication (3)
- ORI 2000 Introduction to Communication as Performance (3)
- SPC 3301 Interpersonal Communication (3)
- SPC 2541 Persuasion (3)

III. Area of Concentration (9 hours)

- Students must take a minimum of nine hours in one of the three areas of concentration.
- Performance Communication
- ORI 3950 ORI 4931 ORI 4120
- ORI 4310 SPC 4201
- Interpersonal and Organizational Communication
- COM 3120 COM 3014 COM 4020
- COM 4124 COM 4710 COM 4942
- SPC 3212 SPC 3425 SPC 4305
- SPC 4310 SPC 4431
- Public and Cultural Communication
- COM 4030 COM 4022 SPC 3230
- SPC 3513 SPC 3631 SPC 3653
- SPC 3680 SPC 3710 SPC 4683
- SPC 4632 SPC 4680 SPC 4714

IV. Departmental Electives (12 hours)

- Students must take twelve additional hours of elective coursework in the Department of Communication at the 3000-level or higher, which must include at least six hours from outside the student's "area of concentration.
- The following three classes count as electives outside the area of concentration for everyone (regardless of the concentration chosen):
- SPC 3601 Advanced Public Speaking

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 2600 Public Speaking (3)
- COM 2000 Introduction to Communication (3)
- ORI 2000 Introduction to Communication as Performance (3)

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 "D" will not be counted toward a Communication minor. Courses may not be taken S/U where a grade option exists.

Prerequisites (State Mandated Common Prerequisites)

Students must complete SPC 2600, Public Speaking, before being admitted to the Communication major. A student can be admitted to the University without SPC 2600, but it must be completed as part of requirements for the major. A grade of “C” is the minimum acceptable grade.

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.

Communication Sciences and Disorders (ISH, ISA, ISI)

Undergraduate concentrations in the Communication Sciences and Disorders are available through the program of Interdisciplinary Social Sciences (ISS). Concentrations in Speech-Language-Hearing Science, American Sign Language, and Educational Interpreter Training lead to the B.A. degree. The undergraduate concentration in Speech-Language-Hearing Science (ISH) provides preprofessional study for Master’s level preparation as a Speech-Language Pathologist, Audiologist, or Deaf Educator. The American Sign Language (ISA) concentration focuses on the study of deaf culture through the development of communicative proficiency in ASL and prepares individuals to work with the deaf in a variety of social service agencies. The Educational Interpreter Training (ISI) concentration prepares individuals to work in educational settings with students who require assistance with educational materials due to their hearing impairment or deafness. Students interested in these concentrations should contact the Department of Communication Sciences and Disorders regarding academic advising. The department also offers the Master’s of Science (M.S.) degree in Speech-Language Pathology, Audiology, and Deaf Education, as well as a Ph.D. specialization in Speech, Language, or Interpreting Science through the department of Psychology (Experimental Psychology). The department offers a 5-year M.S. course of study combining undergraduate with graduate courses; however, enrollment into this program is currently not available.
• Concentrations in Communication Sciences and Disorders (ISH)

A. General Information
All undergraduates seeking enrollment in this concentration must be in good academic standing as undergraduate students at the University of South Florida. Prior to beginning coursework in the junior year in the concentration, most students should complete general academic distribution requirements, successfully pass the CLAST, and have achieved 60 semester hours of coursework. Students with advising concerns relative to their first 60 semester hours are encouraged to meet with undergraduate departmental advisors since required and recommended courses for admission into the ISH or ISA concentration will also meet other university requirements.

B. Prerequisites for Admission
1. Required Courses
   - BSC 1085: Human Anatomy and Physiology I
   - BSC 1085L: Human Anatomy and Physiology I Lab
   - BSC 1086: Human Anatomy and Physiology II
   - BSC 1086L: Human Anatomy and Physiology II Lab
   - BSC 2092: Human Anatomy and Physiology

2. Recommended Courses
   - LIN 3010 or LIN 3801 or CGS 2060

C. Other Requirements for the ISH Degree (min. 9 cr. hrs.)
1. Required Courses (6-7 cr. hrs.)
   - STA 2122 (3) or PSY 3213 (4) and ISS 3010 (3)
2. Additional Courses (3 cr. hrs.)
   - SYG 2000 or ANT 2000 or equivalent

D. Speech-Language-Hearing Concentration (ISH) (min. 39 cr. hrs.)
Coursework is sequenced for the ISH concentration in Speech-Language-Hearing Science. All students must complete study in basic knowledge of the communication sciences and in basic knowledge of communication disorders. Upon admission to the concentration, each student will be assigned an advisor to provide guidance in academic planning.

   The course of study includes:
   - SPA 3002 (3) SPA 3112 (3) SPA 4222 (3)
   - SPA 3004 (3) SPA 3110 (3) SPA 4363 (3)
   - SPA 3011 (3) SPA 4050 (3) SPA 4562 (3)
   - SPA 3030 (3) SPA 4201 (3)
   - SPA 3101 (3) SPA 4210 (3)
   - SPA 3380 (4) (Recommended)

   Students interested in teacher certification in deaf education must complete required education courses in addition to all ISS requirements listed under Sections B and C. Effective July, 1989, the academic requirement for employment in the public school system for Speech-Language Pathologists is the Master's degree.

E. American Sign Language Concentration (ISA) (min. 30 cr. hrs.)
New students are not being admitted to the ISA Major for the 1999/2000 year while the curriculum is being restructured.

   The ISA concentration seeks to educate students to communicate with the deaf and to apply this knowledge in work settings where knowledge of the deaf culture is essential for the provision of social services. This ISA concentration is not intended to prepare interpreters for the deaf except for exceptionally proficient students may qualify as interpreters. This concentration also does not qualify students for admission into the M.S. programs in Speech-Language Pathology or Clinical and Rehabilitative Audiology, or Deaf Education. Those students choosing to become teachers of the deaf must pursue the ISH concentration in Speech-Language-Hearing Science and obtain the M.S. degree in Aural Rehabilitation/Deaf Education.

   General admission requirements and recommendations for ISA are identical to the ISH concentration in Speech-Language-Hearing Science. The specific course of study for this ISA concentration also assumes that the student has completed an A.A. degree or its equivalency. Upon admission to the concentration, each student will be assigned an advisor for the purpose of academic planning. The following courses are included in the major:
   - SPA 3002 (3) SPA 3004 (3) SPA 3030 (3)
   - SPA 3310 (3) SPA 3380 (4) SPA 4332 (3)
   - SPA 4363 (3) SPA 4382 (4) SPA 4383 (4)
   - Other electives (6).

F. Educational Interpreter Training Concentration (ISI)
The ISI concentration seeks to educate students to become educational interpreters for deaf students in the public school system. A program of 42 credit hours is planned for the student majoring in the Educational Interpreter Training Concentration. Course content is distributed across five categories of information and skills necessary for a career in Educational Interpreting:
1. Role of the Educational Interpreter in the Public School Setting
2. Cognitive, Psychosocial, and Language Development of Hearing and Deaf Children in Public Schools
3. Techniques and Applications of Educational Interpreting in the Public School
4. Professional Practices of the Educational Interpreter
5. Internship

   General education requirements as well as liberal arts exit requirements for ISI are identical to those for ISA and ISH concentrations. The specific course of study for the ISI concentration assumes that the student has completed an A.A. degree in Interpreter Training or its equivalent. Additionally, prerequisites include proficiency in ASL signing and interpreting skills. Upon admission to the concentration, each student will be assigned an advisor for the purpose of academic planning. Interested students should contact the coordinator of the Educational Interpreter Training Program in the Department.

   The following courses are included in the major:
   - SPA 3001 (3) SPA 3001L (1) SPA 3003 (3)
   - SPA 3003L (1) SPA 3004 (3) SPA 3028 (3)
   - SPA 4386 (3) SPA 4386L (1) SPA 4387 (3)
   - SPA 4387L (1) SPA 4371 (3) SPA 4503 (4)
   - EDF 3214 (3) EDF 3604 (3) EDG 4620 (3)
   - EEX 4070 (2-3) EME 2040 (3) ISS 3010 (3)

Minimum Grade for Majors
A student must receive a "C" grade or better in all courses within the major and those that are required prerequisites. Any student who receives a grade of "D" or lower in more than two USF Communication Sciences and Disorders courses will be automatically barred from continuing as an undergraduate major in ISH, ISA, or ISI. Grade forgiveness may be used for two courses only and may be used only for course work taken in the first year of study. Courses which comprise the second year of the major may not be repeated.

HONORS PROGRAM
The Honors Program in Communication Sciences and Disorders (ISH, ISI) provides outstanding undergraduates with advanced, individualized training in their areas of interest as well as additional research training. Admission to the Honors Program requires the student to submit evidence of (1) having completed 70 hours of college level course work with a 3.25 average or better, (2) 9 credit hours within the Communication Sciences and Disorders (CSD) curriculum with at least a 3.5 average in these courses, and (3) a letter of recommendation from a CSD faculty member. After acceptance to the Honors Program, the student will complete the requirements for the major with a GPA above 3.5 for courses taken within the department and an overall GPA above 3.25. The Honors Student must complete 6 credit hours in advanced level courses that pertain to the major, complete 2 credits in Honors Colloquia and write an Honors Thesis.
• Requirements for the Minor in American Sign Language

Students seeking a minor in American Sign Language (ASL) must complete a minimum of 18 credits:
1. A minor must include these four courses:
   - SPA 3380 - Basic ASL
   - SPA 4382 - Intermediate ASL
   - SPA 4383 - Advanced ASL
   - SPA 4384 - Nature & Needs of the Deaf & Hearing Impaired
2. In addition, a minor must include one of the following:
   - SPA 3331 - Fundamentals of Finger Spelling
   - SPA 3332 - Structure of Sign Language
3. Students transferring credit hours toward a minor in ASL must complete 12 credit hours within the Department of Communication Sciences and Disorders regardless of the number of credit hours transferred.
4. A GPA of 2.0 or better must be achieved in minor course work in order for a student to be certified for graduation with a minor in American Sign Language.

Prerequisites (State Mandated Common Prerequisites)

Complete the A.A. degree at the community college. Some courses required for the Speech-Language-Hearing (ISH) or ASL (ISA) major may also meet General Education Requirements thereby transferring maximum hours to the university.

Students entering the university without an A.A. degree and fewer than 60 semester hours of acceptable credit, must meet the university’s entering freshman requirements including ACT and SAT test scores, GPA, and course requirements. Students who plan to major in ISH and ISA are encouraged to complete the following prerequisites during the program of study at the community college:

I. ANT 2000 Introduction to Anthropology 3
   or
   PSY 2012 Introduction to Psychology 3
   or
   SYG 2000 Introduction to Sociology 3

II. And each of the following:
   - BSC 1085 Human Anatomy & Physiology I 3
   - BSC 1085L Human Anatomy & Physiology I Lab 1
   - BSC 1086 Human Anatomy & Physiology II 3
   - BSC 1086L Human Anatomy & Physiology II Lab 1
   or equivalent work such as:
   - BSC 2092 Human Anatomy & Physiology 5
   - STA 1023 Introduction to Statistics 4
   (or equivalent)

III. Complete the foreign language requirement

   NOTE: Students who select ASL as their foreign language and are seeking a bachelor of arts degree in ASL are required by the Department of Communication Sciences and Disorders to complete satisfactorily at least one upper level course in ASL at the University of South Florida or to demonstrate proficiency in ASL.

IV. Admission to the program of study for Educational Interpreters requirement: ability to use ASL at the intermediate level of a standardized ASL competency test such as the Sign Communication Proficiency Index (SCPI) or other equivalent evaluation. It is further recommended that the candidate will have completed a community college interpreter training program curriculum.

   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.

   Student are encouraged to join the USF chapter of the National Student Speech-Language-Hearing Association.

This group is affiliated with the national association (ASHA) and has many benefits of membership.

CRIMINOLOGY (CCJ)

The major in Criminology provides students with an in-depth exposure to the total criminal justice system including law enforcement, detention, the judiciary, corrections, and probation and parole. The program concentrates on achieving balance in the above aspects of the system from the perspective of the criminal justice professional, the offender, and society. The program provides a solid background in the theory, issues and methodology comprising Criminology.

The objective of the undergraduate program in Criminology is to develop a sound educational basis either for graduate work or for professional training in one or more of the specialized areas comprising the modern urban criminal justice system. The program offers three areas of concentration within the major as well as a certification program in corrections.

• Requirements for the Major in Criminology:

   A minimum of 42 semester hours is required of all undergraduate majors in Criminology including the following courses:
   - CCJ 3024 (3)* CCJ 3204 (3) CCJ 3610 (3)*
   - CCJ 3701 (3)** CCJ 4110 (3) CCJ 4273 (3)
   - CCJ 4305 (3) CCJ 4501 (3) CCJ 4934 (3)
   and 15 hours of electives within the major.
   * These are gateway courses and must be taken first.
   ** Students who plan to continue on to graduate school must also take CCJ 4700 as one of their electives within the major.

   The student may wish to select and complete the course suggestions from within one of the three areas of concentration described below to fulfill the 15 hours of electives within the major.

   Law Enforcement:
   - CJT 4100 (3) CCJ 4511 (3) CCJ 4940 (3)
   - CCJ 4450 or 4109 (3) plus 3 hours of electives.

   Corrections:
   - CCJ 4316 (3) CCJ 4331 (3) CCJ 4940 (3)
   - CCJ 4341 or 4540 (3) plus 3 hours of electives.

   Juvenile Justice:
   - CCJ 4513 (3) CCJ 4511 or 4540 (3)
   - CCJ 4940 (3) CCJ 4550 or 4652 (3)
   plus 3 hours of electives.

   Note: No more than five (5) hours of CCJ 4900, CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours in the major.

   Transfer students should be aware that by University regulation they are obligated to establish academic residency by completing the equivalent of one academic year (30 semester hours) in “on-campus” courses. All undergraduate transfer students entering Criminology as their major will be required, moreover, to take a minimum of 30 credit hours in major coursework at the University of South Florida.

   These residence requirements are designed to insure that transfer students who subsequently receive their baccalaureate degree from the University of South Florida with a major in Criminology will have been exposed to the same body of knowledge in their major as those students who complete all or a major portion of their coursework at the University of South Florida.

   Any student who receives a grade of “D” or lower in more than one USF CCJ course will be automatically barred from continuing as a Criminology major.

Certification in Corrections:

   The Department of Criminology offers a certificate in corrections. This certificate is recognized by the Florida
Economics (ECN)

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 academic advisor in the Economics Department for more information.

### 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 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.

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 take the community college Criminal Justice or Criminal Justice programs. Because courses in these programs will not substitute for the USF major requirements listed below, these students should be aware of and look forward to revisiting many of the content areas at the junior and senior levels at USF.

**Suggested Electives:**

- ACG 2001 Accounting I (3)
- ACG 2011 Accounting II (3)
- AFA 2001 Introduction to the Black Experience (3)
- POS 1001 Introduction to Political Science (3)
- POS 2041 American National Government (3)
- POS 2112 State and Local Government (3)
- PSY 2101 Introduction to Psychology (3)
- SYG 2000 Introduction to Sociology (3)

**ECONOMICS (ECN)**

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 academic advisor in the Economics Department for more information.

### Requirements for the Major in Economics:

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 at least:

- ECO 2013 Economic Principles: Macroeconomics (3)
- ECO 2023 Economic Principles: Microeconomics (3)
- ECO 3101 Intermediate Price Theory (3)
- ECO 3203 Intermediate Income & Monetary Analysis (3)
- ECO 3302 Economic Statistics (3)
- or QMB 3200 Business and Economics Statistics II (3)
- Economics electives numbered 3000 or higher (18)

- ECO 3100, Managerial Economics, may be substituted for ECO 3101. Either ECO 1000 (if taken before both ECO 2013 and ECO 2023) or QMB 2150 (if taken as a prerequisite to QMB 3200) 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 ECO 3203 in order to enroll in any course for which ECO 3101, ECO 3100 or ECO 3203 is a prerequisite. At least 9 of the 15 hours of upper level economics electives must be in courses for which either ECO 3101, ECO 3100 or ECO 3203 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 must be taken in residence at USF. Grades of “C” or better in ECO 2013 and ECO 2023 are required for graduation with a major in Economics. Economics majors working at the regional campuses cannot expect to fulfill all economics course requirements at those campuses.

### Requirements for the Minor in Economics:

Students from throughout the University may 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 (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 minor course work for certification of the minor for graduation. ECO 4905 and ECO 4914 may not be counted toward the minor. At least 9 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum

Economics provides 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 4506 (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. The Economics Department Undergraduate Advisor has helpful advice for students taking the Law School Admissions Test or applying for admission to law schools.

### Prerequisites (State Mandated Common Prerequisites)

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.

### COLLEGE OF ARTS AND SCIENCES 83
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COLLEGE OF ARTS AND SCIENCES

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

ECO X013 Economic Principles II (Macroeconomics)
and
ECO X023 Economic Principles I (Microeconomics)
or
ECONXXX Any level economics course, 3 semester hours, and
ECONXXX Any level economics course, 3 semester hours
Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

■ ENGLISH (ENG)

Freshman English Requirement

All first-time-in-college students are required to take Freshman English (a sequential two-semester course of study) in accordance with the following conditions:

1. First-time-enrolled students (a) who do not intend to take the CLEP Freshman English Test, or (b) who have been notified of failing CLEP prior to registration and who do not intend to attempt the exam a second time must take ENC 1101 and ENC 1102 sequentially. If a student fails the first course, he/she must repeat it before proceeding to the next Freshman English course. Students should normally take these courses during their freshman year, but these courses are in high demand and it is possible that registration space will not always be available.

2. First-time-enrolled students (a) who have not taken CLEP prior to their arrival on campus, or (b) who have failed but wish to repeat the test, must attempt CLEP during their first nine (9) weeks. During this semester, they should not enroll in ENC 1101. If a student either fails or doesn't attempt the CLEP examination during his/her first nine (9) weeks, the student normally should take ENC 1101 in the following semester. In this case, the student will normally complete the sequence by the first semester of his/her sophomore year. These policies do not apply to first-time-enrolled students who can meet the Freshman English requirement with credit transferred from another institution or with appropriate AP English credit.

■ Requirements for the Major in English:

The program in English provides options in English and American literature, creative writing, and professional and technical writing. The primary mission of the literature option is to provide a solid foundation in the study of British and American literature. The program also offers courses in other world literatures in translation, cultural studies, feminist and ethnic studies, and both traditional and more recent critical approaches. The creative writing option includes training in writing and coverage of English and American literature. The professional and technical writing option combines the study of English and American literature with an introduction to writing found in the professional workplace. The English Education program is described under the section for the College of Education. Major requirements for English majors are listed below. A grade of "D" will not be counted toward fulfilling the major requirements. Students may not use more than one Directed Study toward meeting the major requirements. Transfer students must earn at least 15 hours in the major at USF.

OPTION I: English and American Literature.

Twelve courses (36 hrs.) as follows:

1. One of the following:
   AML 3031 AML 3032 AML 3051

2. Four of the following:
   CRW 2100 CRW 2210 CRW 3111
   ENC 3310 ENC 4260 ENC 4311
   ENC 4931

3. Five of the following, at least two of which must be from Group A:
   Group A
   CRW 3111 CRW 3121 ENL 4122

OPTION II: Creative Writing.

This option is designed for aspiring writers of fiction or poetry. In addition to giving credit for writing through a variety of course offerings, it provides information about procedures for publishing.

1. Writing Requirements

   1. Composition requirements:
      Five of the following:
      CRW 2100 ENC 2210 ENC 3310
      ENC 3310 ENC 4260 ENC 4311
      ENC 4931

   2. Literature requirements:
      The student must select seven literature courses from those listed in OPTION I. Two courses must be from group "1," two more from group "2," and three from group "3."

OPTION III: Professional and Technical Writing.

This 36-hour program allows undergraduates to concentrate their studies in professional writing, wherein they will master special writing skills demanded by industry, business, government, and the professions. Semester-long internships may be arranged by the English Department with local businesses, industries, and professional organizations. Interns will earn three credit hours and, in some cases, receive compensation for their duties.

Students choosing this concentration will also assure themselves of a core of liberal arts studies since they must take 21 credit hours of literature courses in addition to 15 hours of composition courses.

1. Composition requirements:

   Five of the following:
   CRW 2100 ENC 2210 ENC 3310
   ENC 3310 ENC 4260 ENC 4311
   ENC 4931

2. Literature requirements:

   The student must select seven literature courses from those listed in OPTION I as follows:
   Two courses from group "1," four courses from group "2," and one course from group "3."

■ Requirements for the Minors in English

English and American Literature Minor (15 hours)

1. One of the following:
   AML 3031 AML 3032 AML 3051

2. Two of the following:
   CRW 3111 CRW 3121 CRW 4120

3. One course at the 4000 level listed in major OPTION I

4. One additional 3000- or 4000-level course with AML, CRW, ENC, ENL or LIT prefix

Creative Writing Minor (15 hours)

1. CRW 3111 or CRW 2100
   CRW 3111

Any two of the following:
   CRW 3112 CRW 3121 CRW 3312
CRW 3321  CRW 4120  CRW 4320
CRW 4330  
2. One AML or ENL course listed in OPTION I.

Professional and Technical Writing Minor (15 hours)
1. ENC 2210
2. ENC 4260
3. One AML or ENL course listed in OPTION I
4. Two of the following courses:
   CRW 2130  ENC 3213  ENC 3310
   ENC 4311  ENC 4931

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 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 must be completed before the degree is granted. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.
   ENC 1101 Freshman English I
   ENC 1102 Freshman English 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

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.
The Bachelor of Science (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 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, 2 semesters each of general biology and general chemistry, environmental ethics, environmental policy, statistics and physical science (either geology or physics). In addition, majors take six courses that allow them to sub-specialize in science or in policy. Students choosing to sub-specialize in science take 2 semesters 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. ESP majors are advised by the Program Advisor.

• Requirements for the Major in Environmental Science and Policy
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 four weeks prior to the beginning of the semester in which they will complete the internship.

REQUIREMENTS FOR ALL MAJORS
EVR 2001  EVR 2001L  EVR 2861
CHM 2045L  CHM 2046  CHM 2046L
PUP 4203  PHI 3640  EVR 4921
STA 2023 or QMB 2100 or EGN 3443
GLY 2010 (with lab) or GLY 2100 (with lab) or PHY 2048 (with lab) or PHY 2053 (with lab)
EVR 4910 or EVR 4940

Science Track
MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR
MAC 2311 and MAC 2312 and CHM 2210 and CHM 2210L plus 4 electives from one of the following tracks: Restoration, Water Quality, Environmental Monitoring or Marine Resources.

Policy Track
ECP 3302 and POS 3697
plus four approved policy-related electives.

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 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.

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 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.
   MAC 2233 & MAC 2234 Elementary Calculus 4
   or
   MAC 2281 & MAC 2282 Engineering Calculus 4
   or
   MAC 2311 & MAC 2312 Calculus 3
   and
   Biology I and II with Lab 8
   and
   CHM 2045 & CHM 2045L General Chemistry I & Lab 4
   CHM 2046 & CHM 2046L General Chemistry II & Lab 4
   plus
   STA 2023 Statistics 3
   One approved Geology or Physics Course with Lab 4

 GEOGRAPHY (GPY)
The degree program in Geography consists of 10 courses (41 hrs. total), 5 of which are core courses required of all
majors. Further, students choose either the Urban or Environmental track for their remaining courses. Both tracks offer an applied and techniques orientation for the students, which is stressed through coursework, advising, and through the core course structure for the major. The Environmental track focuses on major environmental systems including the hydrosphere, atmosphere, pedosphere, and biosphere. Particular emphasis is placed on the human modification of the natural environment and the global interconnections of the major earth systems. The Urban track focuses 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.

• Requirements for the Major in Geography

A major in Geography consists of 10 courses as follows:

Required core courses (5 courses + lab):
- GEO 3013 Intro to Physical Geography (4)
- GEO 3013L Intro to Physical Geography Lab (1)
- GEO 3402 Human Geography (4)
- GEO 3141C Digital Thematic Mapping (4)
- GEO 3164C Quantitative Methods (4)

Supporting Courses (5 courses):
- Majors will select among courses in the Urban and Environmental tracks for their additional coursework. They must take an additional 5 courses, 2 of which may be outside of their track. If more than 1 course is taken outside of the track, 1 of them must be a techniques (elective) course. The following list designates supporting courses by track (or elective technique).

Urban Track Courses:
- GEO 3602 Urban Geography (4)
- GEO 4502 Economic Geography (4)
- GEO 4604 Advanced Urban Geography (4)
- GEO 4700 Transportation Geography (4)
- GEO 4470 Political Geography (4)
- URP 4052 Urban and Regional Planning (4)
- GEO 4421 Cultural Geography (4)
- GEO 4340 Natural Hazards (4)

Environmental Track Courses:
- GEO 4201C Advanced Physical Geography (4)
- GEO 4210 Process Geomorphology (4)
- GEO 4280C Hydrology (4)
- GEO 4340 Natural Hazards (4)
- GEO 4372 Global Conservation (4)
- MET 4002 Climatology (4)
- MET 4010C Meteorology (4)
- GEO 4444 Biogeography (4)

Techniques Courses (electives):
- GEO 4114C Geographic Techniques and Methodology (4)
- GEO 4140C Remote Sensing of the Environment (4)
- GEO 4151C Geographic Information Systems (GIS) (4)

Courses Excluded as Electives for the major:
- GEO 1930 Geography of Current Events (4)

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)

• Requirements for the Minor

A minor in Geography consists of 17 credit hours, with a minimum grade-point average of 2.0. The required courses are:
- GEO 3013 (4)  GEO 3013L (1)  GEO 3402 (4)
- One GEA elective (4) and one upper level GEO, MET or URP elective (3000-5000 level) (4).

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 without an A.A. degree and have fewer than 60 semester hours of acceptable credit, the student 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 introductory courses in Geography prior to entering the University. If these courses are not taken at the community college, they must be completed before the degree is granted.

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 has two tracks, the Geology Track and the Environmental Geology Track. Both provide the student with a broad foundation in the basics of the science. The Geology track is designed for the student interested in pursuing graduate studies or employment in industry and government agencies. The Environmental Geology track is designed for the student interested in fields of hydrogeology or environmental geology. The Bachelor of Arts program is designed primarily for the liberal arts student who has interest in the subject but 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, carbonate geology, coastal geology, experimental mineral kinetics, geochemistry, hydrogeology, paleontology, and volcanology.

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

1. Geology Courses (32 sem. hrs.)
- GLY 2010 (3)  GLY 3200 (4)  GLY 4550 (4)
- GLY 2010L (1)  GLY 3400C (4)  GLY 4552 (4)
- GLY 2100 (3)  GLY 3610 (4)
- GLY 2100L (1)  GLY 4310 (4)

2. Supporting Courses (22-28 sem. hrs.)
   a. CHM 2041 (3)  CHM 2046 (3)
   b. CHM 2045L (1)  CHM 2046L (1)
   c. One year of calculus (MAC 2233, 2234 or 2311, 2212 or 2281, 2282)
   d. Two courses in biology or physics selected from:
      - BSC 2010 (3)  BSC 2011 (3)
      - BSC 2010L (1)  BSC 2011L (1)
      - PHY 2053-2053L (4)  PHY 2048-2048L (4)
      - PHY 2054-2054L (4)  PHY 2049-2049L (4)

3. Liberal Arts Requirements

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

4. Free Electives

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

5. D and F grades earned in attempting to satisfy major requirements will be used in calculating the major GPA.
• Requirements for the Major in Geology (B.S.)

1. Geology Courses (32 sem. hrs.)
   - GLY 2010 (3) GLY 3200 (4) GLY 4552 (4)
   - GLY 2010L (1) GLY 3400C (4) GLY 4550 (4)
   - GLY 2100 (3) GLY 3610 (4)
   - GLY 2100L (1) GLY 4310 (4)

2. Geology Track or Environmental Geology Track (6-8 sem. hrs.)
   a. The Geology track has a field geology requirement: A minimum six-week, six-hour field course, approved by the geology advisor.
   b. The Environmental Geology track requires:
      - GLY 4822 (4) and GLY 4700 (4) or GEO 4210 (4)

3. Supporting Courses (22-24 sem. hrs.)
   - CHM 2041 (3) CHM 2046 (3)
   - CHM 2045L (1) CHM 2046L (1)
   - MAC 2281 (3) or MAC 2311 (4)
   - MAC 2282 (3) or MAC 2312 (4)
   - PHY 2048 (3) PHY 2049 (3)
   - PHY 2048L (1) PHY 2049L (1)

4. Liberal Arts Requirements
   The student is required to complete the University’s Liberal Arts Requirements.

   The student will choose, in consultation with his/her Geology adviser, 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.

6. 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
A minor in geology consists of 16 credit hours and must include GLY 2010, GLY 2010L and GLY 2100, GLY 2100L. Additional courses, approved by the geology advisor, are designed to complement the student’s major program. Only those courses which are acceptable toward the major in geology may be used toward the minor.

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.

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 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 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
- GLY 2010C Introduction to Physical Geology
- GLY 2100 History of the Earth and Life or other GLY course
- MAC 2311 Calculus I
- PHY 2048C General Physics and Laboratory I or PHY 2048/2048L
- PHY 2049C General Physics and Laboratory II or PHY 2049/2049L
- PHY 2053C Physics
- PHY 2054C Physics

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

GERONTOLOGY (GEY)

Gerontology is the study of the process of human aging in all its many aspects: physical, psychological, and social. In the Department of Gerontology particular emphasis is placed upon applied gerontology, with the goal of educating students who in their professional careers will work to sustain or improve the quality of life of older persons. Since Gerontology is an interdisciplinary field, dual majors with other departments are encouraged. The Department offers the degrees of Bachelor of Arts in Gerontology, Bachelor of Science in Gerontology, a minor in Gerontology, and Master of Arts in Gerontology. The Department of Gerontology also hosts the University-wide Ph.D. in Aging Studies.

• Requirements for the Major in Gerontology (B.A.)
   The Bachelor of Arts Degree in Gerontology entails 36 semester hours of required course work. In this program the course of study is intended to provide students with a liberal education in gerontology and some exposure to the various career opportunities in the field of aging. This degree is especially appropriate for students who plan to pursue graduate or professional work in gerontology, or some other field, or who plan to work with older adults in careers in areas such as case management, social services, or activity therapy.
   **Required Courses:**
   - GEY 2000 (3) GEY 4401 (3)
   - GEY 3601 (3) GEY 4612 (3)
   - GEY 3625 (3)
   A required prerequisite is STA 2122.
   B.A. students complete 21 additional elective hours which may include field placement. Students should meet frequently with the departmental advisor to plan courses and field work that will prepare the student for career goals.

• Requirements for the Major in Gerontology (B.S.)
   The Bachelor of Science Degree in Gerontology is a 39 semester hour specialist degree which, in addition to providing students with a basic education in gerontology, is intended to prepare them for entry level positions in Nursing Home Administration. It is especially appropriate for students who intend to
begin working immediately following completion of the degree program.

Required courses:

- BUL 3320 (3)
- GEY 4329 (3)
- MAN 3025 (3)
- GEY 3601 (3)
- GEY 4360 (3)
- MAN 3240 (3)
- GEY 4327 (3)
- GEY 4640 (3)
- MAN 3301 (3)
- GEY 4328 (3)
- GEY 4945 (6)

Students also complete the following twelve (12) hours of prerequisites: ACG 2021, ACG 2071, CGS 2000, and GEY 2000.

These courses are intended to reflect educational requirements mandated by the State of Florida and specified in Chapter 216.11 of the Florida Administrative Code.

Students in the B.S. program should understand that they will only be allowed to register for the full-time internship (GEY 4945) after successful completion of all (or all but one) of the required courses in the B.S. major. Because the B.S. internship requires full-time effort, students will be allowed to take no more than four (4) credits concurrent with the B.S. internship.

The gerontology prerequisite can only be satisfied by a student having taken GEY 2000 at this university or its equivalent at another institution. The prerequisites of accounting can be fulfilled by taking ACG 2021 and ACG 2071 at this university or comparable work at another institution.

Students interested in either the B.A. or the B.S. option should contact the Department as early as possible in their careers at the University of South Florida.

- Requirements for the Minor in Gerontology

An undergraduate minor in Gerontology is available for students interested in pursuing careers in conjunction with any undergraduate major, but it should be particularly beneficial to persons majoring in such disciplines as anthropology, business, communication sciences and disorders, government and international affairs, nursing, psychology, health care, social work, and sociology. Requirements for the minor in Gerontology are a total of 15 hours of the following courses:

Required:

- GEY 2000 (3)

Required: Choose 2 of the following 3 courses

- GEY 3601 (3)
- GEY 3625 (3)
- GEY 4612 (3)

Electives:

Six additional GEY credit hours.

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 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.

For those seeking the Bachelor of Science degree, students complete the prerequisite courses listed below prior to being admitted to the upper-division major. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- ACG X021 Financial Accounting or ACG X001
- ACG X071 Managerial Accounting or ACG X110 or ACG X630
- CSG X000 Computers in Business or EME X402, COC X317, CSG X101, X361, X601, or X606
- GEY X000

For those seeking the Bachelor of Arts degree, students should complete STA X122 (Social Science Statistics) at the lower level prior to entering the University. If this course is not taken at the community college, it must be completed before the degree is granted. A grade of "C" is the minimum acceptable grade. Acceptable substitutes for STA X122 are: QMB X120 or QMB X100, STA X222, X013, X014, X040, X023, or X024. There are no other common prerequisites for the Gerontology program leading to the Bachelor of Arts degree.

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. The program of study is developed by each student in consultation with the International Studies Adviser so as to best serve the education and career goals of the individual.

- Requirements for the Major in International Studies

The major consists of a minimum of 37 semester hours. At least 18 of these hours (six courses) must be from the International Studies Program offerings. The six required courses are:

- INR 3003 (3) INR 3081 (3) INR 3038 (3) INR 4936 (3) plus one topical and one area studies course chosen from the INT upper division electives. It is recommended that the student complete INR 3003 before taking INR 3081.

The additional 18 hours may be selected from course offerings of other departments, which are approved by the major adviser as having adequate international or cross-cultural content. Students may also take upper level electives from the International Studies curriculum.

With the approval of the major adviser, 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.

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
• 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 3003 (3)  INR 3081 (3)  INR 3038 (3)  and 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.

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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured. 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 introductory courses in International Relations 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.

AMH 2010 American History I 3
AMH 2020 American History II 3
ANT 2000 Introduction to Anthropology 3
ECO 2013 Principles of Economics I 3
ECO 2023 Principles of Economics II 3
Foreign Language 11
GEO 3000 World Geography 4
POS 2041 American National Government 3
Western or World Civilization I, II 6
Courses to improve writing & speaking skills

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 and 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

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. (A GPA of 3.0 is required to enroll in these courses; special permission may be granted by the Chair 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 cr. hrs.)
- CPO 4002 (3) or INR 4002 (3)
- POS 3704 (3) or POT 3003 (3) or POS 3713 (3)
- Note that either CPO 4002 or INR 4002 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 the first semester 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.
- Electives from the seven fields (24 cr. hrs.) 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: no course from a given field or field grouping can be taken until the core course has been completed.

Field I Political Theory
- POT 3013 (3) or POT 3646 (3) or POT 5626 (3)
- POT 4045 (3) or POT 4204 (3)

Field II Comparative Government and Politics
- CPO 4034 (3) or POS 4930 (3) or POS 5934 (3)

Field III International Relations
- INR 3102 (3) or INR 3370 (3) or INR 4403 (3)
- INR 3036 (3) or INR 4035 (3) or INR 4502 (3)
- INR 3336 (3) or INR 4254 (3) or INR 5334 (3)
- INR 5086 (3)

Field IV American National and State Governments
- POS 2080 (3) or POS 2112 (3) or POS 2343 (3) or POS 4413 (3)
- POS 2112 (3) or POS 2343 (3) or POS 4542 (3)
- POS 3173 (3) or POS 4204 (3) or POS 5094 (3)
- POS 3182 (3) or PUP 4323 (3)

Field V Urban Government and Politics
- POS 3142 (3) or POS 4165 (3) or URP 4050 (3)
- POS 3145 (3) or POS 5155 (3) or PUP 4534 (3)

Field VI Public Policy
- INR 3102 (3) or INR 4334 (3) or POS 3145 (3)
- INR 3102 (3) or INR 4334 (3) or POS 4203 (3)
- PUP 4323 (3) or PUP 4554 (3) or PUP 5607 (3)
- URG 4050 (3)

Field VII Law and Politics
- INR 4403 (3) or POS 3961 (3) or POS 4624 (3)
- INR 3283 (3) or POS 4614 (3) or POS 4693 (3)

The following courses are not included within any of the seven fields, but may still be used as elective hours:
- PAD 3003 (3) or POS 4936 (3) or PAD 4204 (3)
- POS 4941 (3-15) or POS 4905 (1-3) or POS 4970 (3)
- POS 4910 (1-3) or POS 3931 (3) or POT 4109 (3)
- POT 4681 (3) or POT 4936 (3)

• Requirements for the Minor in Political Science

A minor in political science consists 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 in regularly scheduled political science courses are required.

Students transferring credit hours toward a minor in political science must complete 12 credit hours within the Department, regardless of the number of credits transferred, in order to be certified for a minor.

Field Work

The Department of Political Science has a field work program which provides students with part-time internships
Requirements for the Pre-Law Plan in Political Science and International Affairs.

Honors in Political Science

Honors in Political Science is designed for the outstanding undergraduate who seeks an intensive program 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 your major professor before you begin writing;

b) students need two academic 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 spring semester in which you are writing.

Prerequisites (State Mandated Common Prerequisites)

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.

- Economics (any ECO) 6
- ENC 1101 English I--Essay Writing 3
- ENC 1102 English II--Essay Writing 3
- Foreign Language I 4
- Geography (any GEO) 3
- History (any AMH or EUH) 3
- POS 2112 State and Local Government 3
- Psychology (any PSY) 3
- Sociology (any SOC) 3
- SPC 2600 Public Speaking 3

Requirements for the Pre-Law Plan in Political Science

The area of Political Science offers a pre-law plan designed for the undergraduate considering a career related to law. (Courses on Law and Politics is listed under File VII of the Political Science undergraduate curriculum.) The courses making up the field are of particular interest to law-oriented students, but may be taken by others as well. Majors are guided to those courses which develop skills and provide information needed for good performance in the study of law. Students receive the skills and information needed for entry into a number of law-related positions in business and government. An integral part of this plan is a high degree of student access to the Political Science's pre-law advisor.

Prior to admission to law school, a student must take the Law School Admission Test (LSAT). This test is 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 (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 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.

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 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 English--Essay Writing 3
- EUH 1000 World Civilization I 3
- EUH 1101 World Civilization II 3
- POS 2112 State and Local Government 3
- SPC 2600 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 which 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, nonprofit 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 4204 Public Financial Administration
- PAD 5035 Issues in Public Administration and Public Policy
- PAD 5333 Concepts and Issues in Public Planning
- PAD 5605 Administrative Law
- PAD 5612 Administrative Regulation
- PAD 5700 Research Methods in Public Administration
- PAD 5807 Administration of Urban Affairs
■ HISTORY (HTY)

The discipline of history embraces a world of ideas, peoples, and events. Our faculty seek 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 all parts of the globe and from the ancient through contemporary eras. We encourage diversification. Our faculty endeavor to move students beyond traditional memorization of material to a critical level of thinking, analysis, and synthesis.

- Requirements for the Major in History

A minimum of 32 semester hours is required for a major in history. Twelve hours of 2000 level courses, or their equivalent, constitute the lower level requirements. At least 12 hours of course work must be drawn from the 3000-4000 level in addition to HIS 4104 and 4936, which constitute the upper level requirements for the degree. A minimum grade of "C" or better must be attained in each course counted for the 32 hours of history. Grades of "D" or "F" in history coursework will, however, be used in calculating the major GPA unless the course is retaken under the grade forgiveness policy. It is recommended that history majors take ENC 3310, "Advanced Expository Writing," SPC 2023, "Fundamentals of Speech Communication," LIS 2001, "Information Resources and Library Research," and computer service courses. Additional hours can be profitably drawn from the following disciplines: Africana Studies, American Studies, Anthropology, Economics, Geography, Government and International Affairs, Psychology, Philosophy, Sociology, Women's Studies, Literature, the Humanities, and the Fine Arts. Majors intending to pursue graduate work should take a minimum of two years of classical or modern foreign language. Open University courses are not eligible for major field credit.

- Requirements for the Minor in History

The minor in History entails a 15-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 and the student must maintain a 2.0 GPA in the minor. A minimum grade of "C" or better must be attained in each course. Only one lower-level sequence counts, earning 4 credit hours. Certification of the minor will be supervised by the department. 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 are not eligible for minor field credit.

Prerequisites (State Mandated Common Prerequisites)

- Required English and Composition

HUM 1100 English Composition 3

- Humanities and Social Sciences

HUM/AMS 1000 Introduction to Humanities 3

- Social Science or Behavioral Science

Sociology, Psychology, Anthropology, Economics, Geography, Government and International Affairs

- Fine Arts and Foreign Language

Non-applied Fine Arts (ART, MUS) 6

- Prerequisites Written Communication

ENC 2000 English Composition 3

■ HUMANITIES & AMERICAN STUDIES (HUM/AMS)

The Department of Humanities and American 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 is an interdisciplinary curriculum that deals with the visual arts, music, literature and the culture from which they emerge. Secondary sources are used sparingly; students are encouraged to make a vigorous, personal response to specific works of art, literature, and music.

- Requirements for the Major in Humanities

1. HUM 2211 (Studies in Culture: The Ancient through the Medieval Periods) and HUM 2243 (Studies in Culture: the Renaissance through the Twentieth Century), six credit hours
2. 22 credits of upper-level Humanities courses (3000 or 4000 level)
3. HUM 4931 (Seminar in Humanities), four credit hours; offered only in fall semester
4. Two or more classes in the creative or performing arts, either lower or upper level, totaling at least four semester hours.
5. Majors must earn a "C" or better in all Humanities courses.

- 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.

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 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.

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 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 English I 3
ENC 1102 English II 3
HUMANITIES (HUM 2000-level courses) 6
Imaginative Writing courses (CRW courses) 3-6
Introductory courses in applied and non-applied Fine Arts (ART, MUS) 6
Requirements for the Major in American Studies

36 credit hours, distributed as follows:
1. 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.
2. AMS 2030 (Introduction to American Studies) 3 credits.
3. One additional 3000-level period course (e.g. AMS 3230, AMS 3001, AMS 3260). 4 credits.
4. One 3000- or 4000-level regions or genre course (e.g. AMS 3210, AMS 3601, AMS 4152). 3 or 4 credits.
5. AMS 4804 (Major Ideas in America). 3 credits.
6. One 4000-level Research Seminar (AMS 4935 or AMS 4936). 4 credits.
7. 6 additional AMS credit hours.
8. 9-10 additional credit hours of supporting courses to be chosen in consultation with the undergraduate advisor.

Requirements for the Minor in American Studies

18 credit hours distributed as follows:
1. One 2000-level survey course (AMS 2201, AMS 2212, AMS 2270). 3 credits.
2. AMS 2030 (Introduction to American Studies). 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.

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 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.

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 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 1101 English I 3
ENC 1102 English II 3
ISS 2221 International Relations 3
POS 2041 American National Government 3

Internally Mandated Common Prerequisites

Literature in Translation (RUT, CLT courses) 3-6
Social Science (AMH, EUH courses) 6

INTERDISCIPLINARY NATURAL SCIENCES (INB/INC/INL/INM/INP)

The Bachelor of Arts in the Interdisciplinary Natural Sciences major is designed for majors seeking a broad program in the natural sciences and for majors in Science Education and Mathematics Education. Concentrations exist in Interdisciplinary Natural Sciences-Biology (INB), Interdisciplinary Natural Sciences-Chemistry (INC), Interdisciplinary Natural Sciences - Clinical Laboratory Sciences (INL), Interdisciplinary Natural Sciences-Geology (ING), Interdisciplinary Natural Sciences-Mathematics (INM), and Interdisciplinary Natural Sciences-Physics (INP). 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.

The requirements for graduation for this degree are the same as those contained in Arts and Sciences. General Requirements for Degree except for the following:

1a. For Science Education and Mathematics Education Majors only, completion of a major consisting of a minimum of 45 hours in natural sciences courses applicable to majors in the natural sciences. In these emphases, there must be a minimum of 24 credit hours in a discipline of major concentration and a minimum of 18 credit hours in supporting courses outside the discipline of major concentration selected from natural science courses. At least two of the supporting courses must be at the 3000 level or above. The student must earn a grade of "C" or better in each course in the major concentration and in each supporting course.

1b. For Biology (INB), Chemistry (INC), Geology (ING), Mathematics (INM), and Physics (INP) concentrations, there must be a minimum of 24 credit hours in a discipline of major concentration and a minimum core of supporting courses comprising a calculus sequence and the introductory science sequence from each of the following departments:

- BSC 2010C (4)
- BSC 2011C (4)
- CHM 2041 (3)
- CHM 2046(3)
- CHM 2045L (1)
- CHM 2046L(1)
- MAC 2233(4) or MAC 2311(4)
- MAC 2234(4) or MAC 2312(4) or MAC 2821(3)
- MAC 2234(4)
- MAC 2311(4)
- MAC 2312(4)
- PHY 2053 (3)
- PHY 2053L (1)
- PHY 2054 (3)
- PHY 2054L (1)
- PHY 2054L(1)
- PHY 2048L (1)
- PHY 2048L (1)
- GLY 2100 (3)
- GLY 2100L (1)
- GLY 2100 (3)
- GLY 2100L (1)

The student must earn a grade of "C" or better in each course in the major concentration and in each supporting course.

Unstructured courses are not counted to fulfill the major requirements.

1c. The Clinical Laboratory Sciences emphasis is designed to prepare students for application to a clinical program in Medical Technology or Cytology following graduation or employment in a laboratory. Students planning to apply to clinical programs in Medical Technology need to include a course in Immunology. Students contemplating graduate study should pursue a major in the discipline of their interest, such as Biology, Chemistry, or Microbiology. For the Clinical Laboratory Sciences emphasis, completion of a minimum of 54 credit hours in natural sciences with a "C" or higher in each major and supporting course.

Supporting Courses:

- BSC 2010, 2010L (3,1)
- BSC 2011, 2011L (3,1)
- CHM 2041, 2045L (3,1)
- CHM 2046, 2046L (3,1)
- MAC 2233 (4)
- STA 2023 (4)
- MAC 2233 (4)
- BHC 302 (3)
- BHC 4300 (3)
- CHM 2210, 2210L (3,2)
- CHM 2211, 2211L (3,2)
- MCB 3030C (4)
Two (2) Biology major electives including at least one with lab (min. 6 hours).

Select from the following list noting prerequisites where applicable:

- BOT 4434C  MCB 4115
- MCB 4404, 4404L  PCB 3023, 3023L
- PCB 3063, 3063L  PCB 4064C
- PCB 5115C  PCB 5235
- ZOO 4753C

Majors sciences electives in Biology, Chemistry, or Physics to total minimum of 54 hours. Select from the following list, noting prerequisites where applicable, and not duplicating courses used to meet the above requirements:

- BCH 3023  BCH 3023L  BCH 4034
- BOT 4434C  CHM 3120C  CHM 4060
- CHS 4100C  CHS 4300  CHS 4301L
- MCB 4115C  MCB 4404  MCB 4404L
- MCB 4502C  MCB 5206  MCB 5815
- PCB 3023  PCB 3023L  PCB 3063
- PCB 3063L  PCB 4064C  PCB 4723
- PCB 4723L  PCB 5235  PCB 5826
- PHY 2053  PHY 2053L  PHY 2054
- PHY 2054L  ZOO 4753C  ZOO 5235

NOTE: Transfer students with credit for two semesters of anatomy and physiology with laboratories may substitute these courses for BSC 2011, 2011L.

Computer competency is essential for work in a modern laboratory. Students lacking computer skills should take CGS 2060.

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 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.

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

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.

One year each, if offered of:

- Biology I (BSC 2010, 2010L) and Biology II (BSC 2011, 2011L) (8)
- Calculus (MAC 2233 and MAC 2234 or MAC 2311 and MAC 2312) (6-8)
- General Chemistry (CHM 2041, CHM 2045L, and CHM 2046, CHM 2046L) (8)
- General Physics (PHY 2053, PHY 2053L and PHY 2054, PHY 2054L or PHY 2048, PHY 2048L and PHY 2048, PHY 2048L) (8)
- Introduction to Physical Geology (GLY 2010, GLY 2010L) and History of the Earth and Life (GLY 2100, GLY 2100L) (8)

**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) include:

1. required core courses for the major are ISS 3010, ISS 4015, and STA 2122.
2. the ISS student chooses between two cognate areas and completes twelve hours in each. Twenty available cognates (listed below) range from Africana Studies, to Criminal Justice, Sociology, and Women's Studies. In addition, three special electives emphasize cultural diversity.
3. it is suggested that the student work out a program of study at the onset of the junior year, particularly before too many courses are completed in CAS. No student should assume that courses already completed in CAS 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.
8. students in Communications Sciences and Disorders major in ISS with an emphasis in (a) Speech and Hearing Science, (b) Interpreter Training for the Deaf, or (c) American Sign Language. Advising for this concentration is handled at the Communication Sciences and Disorders Department.

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

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

- AFA, ANT, CCJ, ECN, EVR, GEY, GPY, HTH, HUM, HUS, INT, ISA, ISH, LAS, PAD, POL, PSY, SOC, SOW, and WST.

**Interdisciplinary Core Courses**

Two of these courses, an introductory course (2010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human systems; the various concepts, theories and methods studied in the social sciences; and apply them to the issues of the day. Social Science Statistics is the third core course required for majors in Interdisciplinary Social Sciences.

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 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.

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.

Some of the following courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses, could count toward the ISS degree. A grade of "C" is the minimum acceptable grade.

- AFA 2000  Black Experience 3
- AMH 2010 or 2020  American History 3
- ANT 2000  Introduction to Anthropology 3
LANGUAGES AND LINGUISTICS

The Division of Languages and Linguistics 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)
The major in Classics is designed to meet the needs of students who desire competence in Latin and/or Greek and a broad understanding of ancient culture and literature. The major is of 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 which focuses on the ancient civilizations which are the cornerstone of Western tradition.

- **Requirements for the major in Classics:**
  The major in Classics requires 10 courses, earning a minimum of 30 credit hours. Of those courses, a minimum of 4 courses must consist of language courses in any combination of courses offered in Latin (LAT and LNW) and in Greek (GRE and GRW). The remaining 6 courses are to be chosen from a list of approved courses with the advice of the Classics advisor.

- **Requirements for the minor in Classics:**
The minor in Classics Greek or Latin consists of 4 courses, earning a minimum of 12 credit hours, chosen from a list of approved courses with the advice of the Classics advisor.

HONORS PROGRAM
Admissions Criteria
1. Senior status.
2. Completion of the "core" courses required for a major in the Department with a GPA above 3.5.
3. An overall GPA above 3.0
4. Two letters of recommendation from Departmental faculty followed by Departmental approval.

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 Completion of Departmental Honors:
1. Completion of requirements for a major in the Department with a GPA above 3.5 and an overall GPA of 3.0.
2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. A grade of "A" on a sight translation from a Latin or Greek author.
4. A written examination on a designated area of Latin or Greek literature (for example, the Golden Age, the Silver Age, etc.).
5. Successful completion of an upper-level Greek or Latin course designated as an Honors Seminar.

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 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. 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:

- ENC 1101 English 3
- ENC 1102 English II 3
- EIU 2111 Ancient History I 3
- EIU 2121 Ancient History II 3
- Beginning and Intermediate Basic Preparation for Major (LAT 1120, 1121, or GRE 1120, 1121) 16

LINGUISTICS (LIN)
Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. Although no baccalaureate degree is offered, the minor in linguistics may provide a broader educational experience for students majoring in adjacent arts and sciences such as Anthropology, Communication, Communication Sciences and Disorders, English, Foreign Languages, Philosophy, Psychology, Sociology, and others.

- **Requirements for the Minor**
The minor in Linguistics requires a minimum of 18 semester hours as follows:
  - LIN 3010 (3)
  - plus 15 semester hours from the following:
    - ANT 3610 (3) CLT 3040 (3) DEP 4135 (3)
    - EXP 4640 (3) LIN 3801 (3) LIN 4040 (3)
    - LIN 4600 (3) LIN 4710 (3) SPC 3210 (3)
    - SPC 3712 (3)

MODERN LANGUAGES (FRE/GER/GRK/ITA/POR/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. The following languages may also be taken as a minor: French, German, Italian, Latin, Modern Greek, Portuguese, Russian, and Spanish. The minor consists of 15 hours of course work in French and Spanish above the second-year level, and 15 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.
• French (FRE)
  Required courses for the major (15 cr. hrs.)
  FRE 3230 (3)  FREW 4100 (3)
  FRE 2240 (3)  FREW 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 cr. hrs.)
  FRE 2240 (3)  FRE 3420 (3)
  Supporting courses required for the minor
  9 hours in 3000, 4000, or 5000 level courses except courses in translation.
• German (GER)
  Requirements for the major (14 cr. hrs.)
  GER 2240 (3)  GEW 4100 (4)
  GER 3420 (3)  GEW 4101 (4)
  Supporting courses required for the major
  18 hours in 3000, 4000, or 5000 level courses, including approved courses in related disciplines, planned with the advisor.
  Required courses for the minor (6 cr. hrs.)
  GER 2240 (3)  GER 3420 (3)
  Supporting courses required for the minor
  10 hours in 3000, 4000, or 5000 level courses except courses in translation.
• Modern Greek (GRK)
  Required courses for the minor (16 cr. hrs.)
  GRK 2200 (4)  GRK 4905 (4)
  GRK 2201 (4)  GRK 4930 (4)
• Italian (ITA)
  Required courses for the major (15 cr. hrs.)
  ITA 2240 (4)  ITW 4100 (4)
  ITA 3420 (3)  ITW 4101 (4)
  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 (7 cr. hrs.)
  ITA 2240 (4)  ITA 3420 (3)
  Supporting courses required for the minor
  9 hours in 3000 or 4000 level courses except courses in translation.
• Russian (RUS)
  Required courses for the major (14 cr. hrs.)
  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 cr. hrs.)
  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 (15 cr. hrs.)
  SPN 3300 (3)  SPW 4301 (3)
  SPW 4101 (3)  SPW 4131 (3)
  SPW 4100 (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 (3 cr. hrs.)
  SPN 3300 (3)
  Supporting courses required for the minor
  12 hours in 3000, 4000 or 5000 level courses except courses in translation.

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 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.

  ECN 1101 English I
  ECN 1102 English II
  Social Science (any HIS, SOC, ANT, etc.)
  Humanities (any HUM)
  Beginning and Intermediate "Target Language" (XXX 1120, 1121, and 2200)

  14-19

LIBERAL STUDIES (ALA)
  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.

  For admission to the program, the 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 3.00 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 who is located in the Dean's Office.

  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, a senior paper must be approved by the faculty committee.

  For information, contact the Associate Dean for Academic Affairs in SOC 102.

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 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.

  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.

LIBRARY AND INFORMATION SCIENCE (LIS)
  The School of Library and Information Science offers undergraduate classes to meet a wide range of information literacy needs in support of the university’s academic pro-
grams. The courses provide the understanding and skills needed to access and evaluate 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 classes that will prepare them to access and evaluate these information resources. Topics taught in these classes include: using the Internet to answer educational and research needs; designing and creating web pages; efficiently finding and using the information resources of the modern, and increasingly electronic, library.

The School's faculty will counsel those undergraduates interested in graduate study in librarianship. The Library and Information Science Master's program is accredited by the American Library Association, 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 requirements for certification as an Educational Media Specialist (grades K-12).

For more information, visit our web site at http://www.cas.usf.edu/lis.

**MARINE SCIENCE (MSC)**

Although the department does not offer an undergraduate degree, graduate courses in the Department of Marine Science are open to advanced undergraduates in other natural science disciplines. In addition, the Department of Marine Science has recently increased the number of courses specifically geared for undergraduates; consult the Schedule of Classes for course titles currently being offered. Some Department of Marine Science courses are available on all campuses by means of distance learning.

The Department of Marine Science (DMS) at the University of South Florida offers M.S. and Ph.D. degrees in Marine Science. The student may emphasize biological, chemical, geological, or physical oceanography, or develop an interdisciplinary program in Oceanography through course work and thesis or dissertation research. More than 100 students are currently pursuing degrees under the direction of 26 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and departmental facilities is available from the department upon request.

The department's location on St. Petersburg's Bayboro Campus provides immediate access to Tampa Bay and the Gulf of Mexico. Bayboro Harbor is home port to the R/V Bellows (71 ft.) and the R/V Suncoaster (110 ft.). These vessels are operated by the Florida Institute of Oceanography (FIO) for the entire State University System. The department's principal building is shared with FIO and is adjacent to the Florida Marine Research Institute (FMRI), the research arm of the Florida Department of Environmental Protection. A newly occupied research building is shared by DMS and FMRI and houses a remote-sensing, satellite data-acquisition center. The U.S. Geological Survey (USGS) center for Coastal Geology and Regional Studies, the office of the Tampa Bay National Estuary Program, FMRI, and the Department of Marine Science are all located on the Bayboro Campus. Consequently, St. Petersburg is home to one of the largest concentrations of marine scientists in the southeastern United States; many of these scientists serve on advisory committees of DMS graduate students.

**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, journalism, public relations, or telecommunications) 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 with which the School maintains close contact 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. See MMC 4945 in catalog course listings. 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 4943).

**Requirements for the Major in Mass Communications**

To be admitted to the core curriculum in Mass Communications, students must have completed general education requirements including a minimum of 45 hours with a 2.7 minimum Overall Grade Point Average, and ENC 1101 and 1102 with a minimum grade of "C" in each. Applicants must evidence a minimum score of 60 percent on the Mass Communications Diagnostic Test prior to entering MMC 2100 (Writing for Mass Media). (Students who transfer MMC 2100 or its equivalent must pass the Mass Communications 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 disqualified 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 28 hours of a combination of required and selective sequence courses for a total of 34 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 90 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 program advisor.) To facilitate this, no more than 34 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 34 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.

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.

At least nineteen (19) hours of resident School courses are required.
All material submitted by students as assignments in writing, reading, editing, photography and electronic news gathering and production classes is subject to publication or broadcast. The School uses a variety of 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. They are specified in the course description. 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 (except at the USF St. Petersburg campus where an evening schedule is available).

The School sequence requirements are:

**School Core Curriculum**
- MMC 2100 (3)
- MMC 3602 (3)

**Sequence Requirements**

1. **ADVERTISING** Requirements
   - ADV 3000 (3)
   - ADV 4800 (3)
   - MMC 4203 (3)
   - ADV 3101 (3)
   - ADV 4940 (1)
   - MMC 4420 (3)
   - ADV 3300 (3)

2. **SELECTIVE REQUIREMENTS** (9 hours required, selected with advisor's approval)

3. **PUBLIC RELATIONS** Requirements
   - MMC 2100 (3)
   - MMC 3602 (3)

4. **NEWS-EDITORIAL** Requirements
   - JOU 2100 (3)
   - JOU 4200 (3)
   - JOU 4206 (3)
   - JOU 3300 (3)
   - MMC 4200 (3)
   - MMC 4420 (3)
   - MMC 4936 (3)

5. **SELECTIVE REQUIREMENTS** (7 hours required, selected with advisor's approval)

6. **ENGLISH COMPOSITION** Requirement
   - MMC 3602 Mass Communications and Society 3

Prior to being admitted to the School of Mass Communications, a student must:
- Complete a minimum of 45 semester hours including all General Education requirements and six hours of English composition (with a minimum grade of "C"), earn a 2.7 overall GPA, and pass a School-administered English diagnostic test.

**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 (MTH)

The Department of Mathematics offers a diversity of courses designed not only to enable the student to pursue a profession in mathematics itself, 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 program emphasizes the broad nature of modern mathematics and its close associations with the real world. The program is designed to prepare students for entry into graduate school or careers in industry or secondary education.

The Department of Mathematics consists of 30 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 differen-
tial equations, partial differential equations, potential theory, probability theory, real analysis, statistics, theoretical computer science, and topology.

- **Requirements for the Major in Mathematics**
  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. A minimum of 4000 level or higher mathematics courses must be taken in residency and must be applicable to the major.

1. **Mathematics Requirement** (Min. 45 cr. hrs.)
   Majors must complete the following core courses:
   - COP 4313 Symbolic Computations in Mathematics 3
   - MAA 4211 Intermediate Analysis I 4
   - MAC 2311 Calculus I 4
   - MAC 2312 Calculus II 4
   - MAC 2313 Calculus III 4
   - MAP 2302 Differential Equations 3
   - MAS 3105 Linear Algebra 3
   - MAS 4301 Elementary Abstract Algebra 3
   - MAS 4306 Technology Seminar 1
   - MAT 4937 Mathematics Majors Seminar 1
   - MGF 3301 Bridge to Abstract Mathematics 3
   - STA 4442 Introduction to Probability 3

   In addition, majors must complete three (3) courses from the following electives:
   - CGS 3414 Problem Solving Using Pascal or C 3
   - MAA 4212 Intermediate Analysis II 3
   - MAA 4402 Complex Variables 3
   - MAD 4401 Numerical Analysis 4
   - MAD 4504 Theory of Computation 3
   - MAD 5305 Introduction to Graph Theory 3
   - MAP 5345 Applied Partial Differential Equations 3
   - MAP 5407 Methods of Applied Mathematics 3
   - MAS 4124 Numerical Linear Algebra 3
   - MAS 4156 Vector Calculus 3
   - MAS 5215 Number Theory 3
   - MHF 5405 History of Modern Mathematics 3
   - MTG 4302 Introduction to Topology 3
   - STA 4321 Introduction to Statistics 3
   - STA 5166 Computational Statistics 3
   - STA 5228 Sampling Techniques 3
   - MAT 4937 Mathematics Majors Seminar 1

   Special topics courses, listed under MAT 4930, or other 5000-level mathematics courses can also be taken as electives, with the approval of an undergraduate advisor. In addition, one elective of high mathematical content can be taken from another department, with the approval of an undergraduate advisor and the chairman.

   An undergraduate advisor will work with the student in recommending electives which are appropriate for the student’s interests and goals. The following is a typical mathematics course program for mathematics majors:

   **Semester 1**
   - MAC 2311 Calculus I 4
   **Semester 2**
   - MAC 2312 Calculus II 4
   - MAT 2936 Technology Seminar 1
   **Semester 3**
   - MAC 2313 Calculus III 4
   - MGF 3301 Bridge to Abstract Mathematics 3
   **Semester 4**
   - MAP 2302 Differential Equations 3
   - MAS 3105 Linear Algebra 3
   **Semester 5**
   - MAS 4301 Elementary Abstract Algebra 3
   - COP 4313 Symbolic Computations in Mathematics 3
   **Semester 6**
   - STA 4442 Introduction to Probability 3
   - Elective 3-4

   Majors wishing to take a course in statistics should take STA 4442 (STA 4321 is a prerequisite).

2. **Elective Courses** (Min. 6 cr. hrs.)
   Any 2 courses (3 or more credit hours each) which are required or elective for the major in mathematics must meet the following course requirements (minimum of 24 cr. hrs.):

   1. **Required Courses** (18 cr. hrs.)
      - Either
        - MAC 2311 Calculus I 4
        - MAC 2312 Calculus II 4
        - MAC 2313 Calculus III 4
      - Or
        - MAC 2281 Engineering Calculus I 3
        - MAC 2282 Engineering Calculus II 3
        - MAC 2283 Engineering Calculus III 3
        - MAP 2302 Differential Equations 3
      Also, both of the following:
      - MAS 3105 Linear Algebra 3
      - MGF 3301 Bridge to Abstract Mathematics 3

   2. **Elective Courses** (Min. 6 cr. hrs.)
      Any 2 courses (3 or more credit hours each) which are required or elective for the major 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 24 cr. hrs.):

   1. **Required Courses** (18 cr. hrs.)
      - Either
        - MAC 2311 Calculus I 4
        - MAC 2312 Calculus II 4
        - MAC 2313 Calculus III 4
      - Or
        - MAC 2281 Engineering Calculus I 3
        - MAC 2282 Engineering Calculus II 3
        - MAC 2283 Engineering Calculus III 3
        - MAP 2302 Differential Equations 3
      Also, both of the following:
      - MAS 3105 Linear Algebra 3
      - MGF 3301 Bridge to Abstract Mathematics 3

- **Technical Concentrations**
  The Department of Mathematics offers specialized technical concentrations within the general Bachelor of Arts degree in mathematics that emphasize a subfield of Environmental Science. These concentrations are more structured than the general B.A. program and require additional study in a related field comparable to earning a minor in that field. This cross disciplinary training prepares the student for a career in Environmental Science. Furthermore, the student is able to pursue graduate work in either mathematics or the related field.

- **Environmental Biology Concentration**
  1. Mathematics requirement
     Completion of the mathematics major, including STA 4321 Introduction to Statistics 3
  2. Supporting courses
     - CHM 2041 Introductory General Chemistry 3
     - CHM 2045L General Chemistry I Lab 1
     - CHM 2046 General Chemistry II 3
     - CHM 2046L General Chemistry II Lab 1
  3. Biology courses
     - BSC 2010 Biology I - Cellular Processes 3
Accelerated BA/MA Program

This program is designed for superior 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 U.S.F. transcript of the student's work.

Students are eligible for admission to the program when they meet the following requirements:

1. have completed Elementary Abstract Algebra (MAS 4301),
2. have at least a 3.0 average in all college courses, and
3. have at least a 3.5 average in college 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 requirements for the major in mathematics,
2. six credit hours of graduate mathematics courses at USF,
3. completion of MAT 4970, Mathematics Senior Thesis,
4. at least a 3.0 average for all courses, and
5. at least a 3.5 average for mathematics courses.

Environments Concentration

1. Mathematics requirement
   Completion of the mathematics major, including
   STA 4321 Introduction to Statistics 3
2. Chemistry courses
   CHM 2041 Introductory General Chemistry 3
   CHM 2045L General Chemistry I Lab 1
   CHM 2046 General Chemistry II 3
   CHM 2046L General Chemistry II Lab 1
   CHM 2200 Organic Chemistry 4
   CHM 4410 Physical Chemistry I 3
   CHM 4411 Physical Chemistry II 3
   And either
   CHM 3120C Elementary Analytic Chemistry 4
   or
   CHM 3610C Intermediate Inorganic Chemistry 4

Environmental Geology Concentration

1. Mathematics requirement
   Completion of the mathematics major, including
   STA 4321 Introduction to Statistics 3
   The student must complete one of the sequences
   MAS 4123 Numerical Linear Algebra 3
   MAD 4401 Numerical Analysis 4
   or
   MAP 5407 Methods of Applied Mathematics 3
   MAP 5345 Applied Partial Differential Equations 3
2. Supporting courses
   PHY 2053 General Physics 3
   PHY 2053L General Physics Lab 1
   PHY 2054 General Physics and Lab 3
   PHY 2054L General Physics Lab 1
3. Geology courses
   GLY 2010 Dynamic Earth: Introduction to Physical Geology 3
   GLY 2010L Dynamic Earth Lab 1
   GLY 2100 History of the Earth and Life 3
   GLY 2100L Earth History Lab 3
   GLY 4822 Introduction to Hydrogeology 4
   And either
   GLY 3400C Structural Geology 4
   or
   GLY 5827 Advanced Hydrogeology 4

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 U.S.F. transcript of the student's work.

Students are eligible for admission to the program when they meet the following requirements:

1. have completed Elementary Abstract Algebra (MAS 4301),
2. have at least a 3.0 average in all college courses, and
3. have at least a 3.5 average in college 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 requirements for the major in mathematics,
2. six credit hours of graduate mathematics courses at USF,
3. completion of MAT 4970, Mathematics Senior Thesis,
4. at least a 3.0 average for all courses, and
5. at least a 3.5 average for mathematics courses.

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF from a Florida Community College 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.

- COPXXX Computer Language Course
  (Pascal, FORTRAN, C, C++, or C++)
- MACX311 Calculus I
- MACX312 Calculus II
- MACX313 Calculus III

Students must also complete two laboratory-based science courses, 4 - 8 semester hours total, from the respective science majors: Biology, Chemistry, Geology, or Physics.

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 five 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 hospital and students not admitted to a clinical program may need to select an alternative 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 Liberal Arts requirements.
3. Writing and computation requirements for 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)

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.

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. They may be completed at a community college or other institution or at USF. Courses available at USF are indicated with an asterisk.

1) General Biology I with lab (4)
   (e.g. BSC 1010, 1010L; BSC 2010, 2010L*)
2) Human Anatomy and Physiology I with lab (4)
   (e.g. BSC 1085, 1085L; BSC 2085, BSC 2085L*) and/or Human Anatomy and Physiology I with lab (4)
   (e.g. BSC 1086, 1086L; BSC 2086, BSC 2086L*)
3) Cell Biology with lab (4)
   (e.g. PCB 3023, 3023L*)
4) General Microbiology with lab (4)
   (e.g. MCB 2010, 2010L; MCB 3030C*)
5) General Chemistry I & II with labs (8)
   (e.g. CHM 1045, 1045L, 1046, 1046L; CHM 2041, 2045L, 2046, 2046L*)
6) Organic Chemistry I with lab (4-5)
   (e.g. CHM 2210, 2210L*)
7) Organic Chemistry II with lab (4-5)
   (e.g. CHM 2211, 2211L*)
   or
   Quantitative Analysis (4)
   (e.g. CHM 2120C; CHM 3120C*)
8) Statistics (3-4)
   (e.g. STA 2023*)

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Algebra (MAC 2102 or MAC 2132)</td>
<td>(3)</td>
</tr>
<tr>
<td>Determinative Bacteriology (MCB 4115)</td>
<td>(5)</td>
</tr>
<tr>
<td>Immunology (PCB 5235 or equivalent)</td>
<td>(3)</td>
</tr>
<tr>
<td>Clinical Chemistry (CHS 4300)</td>
<td>(3)</td>
</tr>
</tbody>
</table>

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 MLS 4861 MLS 4863 MLS 4865 MLS 4860 MLS 4862 MLS 4864 MLS 4866

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.

PHILOSOPHY (PHI)

- **Requirements for the Major in Philosophy**
  - Majors in philosophy must complete at least 30 credit hours made up as follows:
    - a. PHH 3062 History of Philosophy: Ancient and Medieval
    - b. PHH 3420 History of Philosophy: Modern
    - c. PHI 4600 Contemporary Ethical Theory
    - d. At least one of the following:
      - PHI 4300 Theory of Knowledge
      - PHI 5225 Philosophy of Language
      - PHI 4320 Philosophy of Mind
  - e. 6 credit hours of 4000 or 5000 level Philosophy courses
  - f. 9 credit hours of Philosophy electives

- **Requirements for the Minor in Philosophy**
  - A minor in philosophy consists of at least 18 credit hours which includes the following courses or an approved substitute for one only:
    - PHH 3062 History of Philosophy: Ancient and Medieval
    - PHH 3420 History of Philosophy: Modern
    - PHH 4600 Contemporary Philosophy
  - or
    - PHI 4440 19th Century Continental Philosophy
  - PHI 2100 Introduction to Formal Logic

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, to participate in an Honors Seminar, and to write and defend an undergraduate thesis.

**Admission Criteria:**

1. Students must complete:
   - PHI 2100 Introduction to Formal Logic
   - PHH 3062 History of Philosophy: Ancient and Medieval
   - PHH 3420 History of Philosophy: Modern
   - with a grade point average of 3.6.
2. 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 must be nominated for admission into the Philosophy program by a faculty member in Philosophy, and a majority of the faculty who have taught the student must approve the student's admission into the program.

**Program Requirements:**

Students must complete the requirements for the Philosophy major in accordance with the following provisions:

- a) students must take either PHH 4440 19th Century Continental Philosophy or PHH 4600 Contemporary Philosophy
- b) students must take one course from each of the following groups:

  **Group 1**
  - PHI 3404 Scientific Method
  - PHI 4320 Philosophy of Mind
  - PHI 4300 Theory of Knowledge
  - PHI 5225 Philosophy of Language
  - PHP 4784 Analytical Philosophy

  **Group 2**
  - PHI 4600 Contemporary Ethical Theory
  - PHI 3601 Contemporary Moral Issues
  - PHI 3700 Philosophy of Religion
  - PHI 4800 Aesthetics
  - PHM 3021 Philosophies of Love and Sex
  - PHI 3400 Introduction to Philosophy of Law
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.

At the graduate level, the Department of Physics offers three Master's degrees, the Master of Science in Physics, the Master of Science in Applied Physics and the Dual-Master Degrees in Physics and Engineering Science. A Ph.D. program in Applied Mathematics or Engineering Science with an emphasis in Applied Physics is conducted in collaboration with the Department of Mathematics and with the College of Engineering.

Requirements for the Majors in Physics

1. Physics Courses

   **B.A. PHYSICS (PHY)** (34 cr. hrs.)
   - PHY 2048 (3) PHY 3221 (3) PHY 4324C (4)
   - PHY 2048L (1) PHY 3323C (4) PHY 4823L (2)
   - PHY 2049 (3) PHY 3822L (2) PHY 4910 (1-4)
   - PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)
   - Physics Electives (6)

   **B.S. PHYSICS (PHS)** (44 cr. hrs.)
   - PHY 2048 (3) PHY 3323C (4) PHY 4604 (3)
   - PHY 2048L (1) PHY 3424 (4) PHY 4823L (2)
   - PHY 2049 (3) PHY Y 3822L (2) PHY 4910 (1-4)
   - PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)
   - PHY 3101 (3) PHY 4324C (4) PHZ 5405- (3)
   - PHY 3221 (3) PHY 4523- (3)

   The sequence PHZ 2101 (2), PHY 2043 (3), PHY 2053L (1), PHY 2054 (3), and PHY 2044 (1) may be substituted for the sequence indicated.

Substitutions permitted subject to approval of undergraduate advisor.

2. Supporting Courses in the Natural Sciences

   B.A. and B.S. PHYSICS (20 cr. hrs.)
   - CHM 2041 (3) CHM 2045L (1) MAC 2311- (4)
   - CHM 2045L (1) MAC 2311- (4) MAP 2302 (3)
   - CHM 2046 (3) MAC 2312- (4)

   The sequence MAC 2281 (3), MAC 2282 (3), and MAC 2283 (3) may be substituted for the sequence indicated.

3. Liberal Arts Requirements

   [General Education Requirements (36 cr. hrs.); Exit Requirements (9 cr. hrs.)]
   - The student is required to complete the University's Liberal Arts Requirements.

4. Free Electives

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

5. Residency Requirement

   A minimum of 20 credit hours of physics courses (see 1 above) in residency.

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

Requirements for the Minor in Physics

The minor in Physics is open to students with majors in the sciences, engineering and mathematics. A minor in Physics consists of 19 credit hours, which include PHY 2043 (3), PHY 2044L (1), PHY 2049 (3), PHY 2049L (1), PHY 3101 (3), PHY 3822L (2), and two electives from the approved Physics courses.

Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see Teacher Education Programs in the College of Arts and Sciences catalog for junior college teachers, see USF Graduate Catalog.

Requirements (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 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.

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 should complete the following prerequisite courses listed below at the lower level prior to entering 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.

<table>
<thead>
<tr>
<th>Group</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Group 3</td>
<td>PHY 2048 (3) PHY 3221 (3) PHY 4324C (4)</td>
</tr>
<tr>
<td>Group 4</td>
<td>PHY 2048L (1) PHY 3323C (4) PHY 4823L (2)</td>
</tr>
<tr>
<td></td>
<td>PHY 2049 (3) PHY 3822L (2) PHY 4910 (1-4)</td>
</tr>
<tr>
<td></td>
<td>PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)</td>
</tr>
<tr>
<td></td>
<td>Physics Electives (6)</td>
</tr>
<tr>
<td>B.S. PHYSICS (PHS)</td>
<td>PHY 2048 (3) PHY 3323C (4) PHY 4604 (3)</td>
</tr>
<tr>
<td></td>
<td>PHY 2048L (1) PHY 3424 (4) PHY 4823L (2)</td>
</tr>
<tr>
<td></td>
<td>PHY 2049 (3) PHY Y 3822L (2) PHY 4910 (1-4)</td>
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</tr>
<tr>
<td></td>
<td>PHY 3101 (3) PHY 4324C (4) PHZ 5405- (3)</td>
</tr>
<tr>
<td></td>
<td>PHY 3221 (3) PHY 4523- (3)</td>
</tr>
</tbody>
</table>
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, Experimental 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 a concentration in Applied Behavioral Analysis. The graduate faculty of the Psychology Department are divided into three broad program areas: Clinical, Experimental, and Industrial/Organizational. Each of these program areas offers Ph.D.-level training as well as instruction at the undergraduate level.

**Requirements for the Major in Psychology**

Majors must complete at least 34 semester hours in the field. A minimum grade of "C" or better must be attained in each course in the major. All majors must complete:

1. 2000/3000 Level Requirement (6 semester hours)
   - Successful completion of: PSY 3044 (3 semester hours) and one of the following:
     - INP 2101
     - PSY 2012
     - PSY 3022
     - SOP 3742

2. Methods Course Requirement (7 semester hours)
   - Successful completion of: PSY 3213 and one of the following:
     - CLP 4433
     - PSY 4205
     - or another methods course approved by the undergraduate advisor in Psychology.

3. 4000 Level Requirement (21 semester hours)
   - Successful completion of 7 additional Psychology courses numbered at the 4000 level selected as follows: At least two courses from each of the two groups below:
     - **Group I**
       - EXP 4204C
       - EXP 4404
       - PSB 4013C
     - **Group II**
       - EXP 4304
       - EXP 4523C
     - **Group III**
       - CLP 4143
       - INP 4004
       - SOP 4004
       - PPE 4004
       - DEP 4004
       - and 3 additional courses numbered at the 4000 level.

   **Note:** No more than a total of 3 hours of the following courses may count toward the major:
   - PSY 4913 Directed Study
   - PSY 4970 Honors Thesis
   - PSY 4932 may not count toward the major.

Statistics and Biological Science are required. Otherwise, students majoring in psychology are encouraged to complete a varied undergraduate program.

A prerequisite for all 4000-level courses is a grade of "C" or better in both PSY 3044 and PSY 3213. For students majoring in Psychology, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213 requirement.

For students majoring in Interdisciplinary Social Sciences any college-level statistics course with a grade of "C" or better may serve as prerequisite for 4000 level courses in Psychology but does not substitute for the PSY 3213 requirement.

**Concentration in Applied Behavior Analysis**

Undergraduate majors working toward the B.A. in psychology may complete a structured sequence of coursework and practicum in Applied Behavior Analysis. Students are admitted to the program in the junior or senior year, after completing EXP 4404 and CLP 4414 with a grade of B or better. Admission requirements further include a minimum overall USF GPA of 3.0 or better, GPA of 3.2 for Psychology coursework, completion of at least 75 hours, and two letters of recommendation. Admissions are typically made in the fall of each academic year. Successful completion of the concentration prepares students for the Florida Certification Examination for Associate Behavior Analysis, for employment opportunities in a variety of settings, and for advanced study in Applied Behavior Analysis. Detailed information regarding the program and the admission process may be obtained from the Psychology Department Undergraduate Advisor or the program secretary.

**Psychology Honors Program**

The purpose of the Honors Program is to provide a select group of 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 second 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, and a letter of recommendation from a member of the Psychology Department faculty. 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 (6) and PSY 4970 (6). See the Psychology Department Undergraduate Advisor for details of the program and an application form.

**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 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 must be completed before the degree is granted. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

PSYX012  Introduction to Psychology and any other lower level Psychology course
STAXXX  Any level Statistics course
BSCXXX  Any level Biology course or any other lower level Zoology course

- REHABILITATION AND MENTAL HEALTH COUNSELING (REF)

A five-year master's program is available to undergraduates where an M.A. degree in Rehabilitation and Mental Health Counseling and a bachelor's degree in another major (if desired) can be earned in a total program of 150 semester hours. Students admitted through the five-year program (REF) must have completed 90 semester hours of work, including required courses in the undergraduate major, and have satisfied General Distribution, CLAST, and Rule 6A-10.30 (Gordon Rule) requirements. Minimum admission requirements include a total Verbal-Quantitative score of at least 1000 on the GRE or a "B" average over the last 60 semester hours. The GRE must be taken by all applicants whether or not they have a 3.0 grade-point average. A detailed description of the M.A. program in Rehabilitation and Mental Health Counseling may be found in the Graduate Catalog and on the internet at http://www.usf.edu/graduate_catalog/index.html.

Undergraduates interested in the five-year program (REF) should contact the department during their sophomore year. They should concentrate on taking required courses in their undergraduate major, and should generally defer taking elective courses until admitted to the five-year program. Applications for the five-year program are available from the Department. GRE scores must be reported to USF before any application can be processed, and three letters of recommendation are required.

The mission of Rehabilitation and Mental Health Counseling is to help individuals with physical, mental, and psychiatric disabilities return to full, rewarding, and productive lives. Rehabilitation Counselors work in a wide variety of settings, including public and private rehabilitation programs and facilities, mental health treatment settings, and substance abuse treatment settings. Some establish their own private rehabilitation or mental health counseling practices.

Rehabilitation and Mental Health Counseling have roots in both the national rehabilitation movement and professional counseling movement. Training, which includes experiential learning, emphasizes psychological, social, medical, and vocational aspects of disability, and the development and refinement of personal adjustment and mental health counseling skills. Graduates with an M.A. degree from the USF Department of Rehabilitation and Mental Health Counseling are prepared for careers as both rehabilitation and mental health counselors. A special elective concentration in substance abuse is offered, and other study concentrations can be arranged on an individual basis.

The graduate program in Rehabilitation and Mental Health Counseling is fully accredited by the Council on Rehabilitation Education (CORE), the national accrediting body for rehabilitation counselor training programs. Upon completion of the program, graduates are eligible to sit for the national certification examination of the Commission on Rehabilitation Counselor Certification. After passing this examination, the graduate is registered with the Commission as a Certified Rehabilitation Counselor (CRC). Within the 60 hour M.A. program, graduates are also able to meet Florida's educational standards for licensure as a Clinical Mental Health Counselor.

- 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

A total of 36 credit hours chosen 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
a. REL 3003 Introduction to Religion (3); and
b. REL 4949 The Development of Religious Studies (3); and
c. REL 4931 Seminar in Religion (3); and
d. An additional 27 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

All transfer student must take a minimum of 24 hours in Religious Studies courses at the University of South Florida. 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 the University of South Florida. This will be decided as soon as the student becomes a major in the Department of Religious Studies at the University of South Florida.

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.

- Requirements for the Minor in Religious Studies

A total of 18 credit hours chosen 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 Religion (3); and
b. REL 4949 The Development of Religious Studies (3); and
c. REL 4931 Seminar in Religion (3); and
d. An additional 9 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.

Prerequisites (State Mandated Common Prerequisites)

Students wishing to transfer to USF should complete the
SOCIAL WORK (SOK)

The University of South Florida offers a program leading to a Bachelor of Social Work (B.S.W.) degree in the School of Social Work, College of Arts and Sciences. This program has been developed in accordance with the guidelines set forth by the Council on Social Work Education, the national accrediting body for social work education programs, and in accordance with the recommendations of the National Association of Social Workers. The B.S.W. program is fully accredited by the Council on Social Work Education. The primary objective of the B.S.W. program is the preparation of the graduate for beginning level professional practice as a social work generalist. The secondary objectives of the B.S.W. program are to:

1. provide for the social work human resources needs of the University service districts (the central Florida west coast area), the State of Florida, and the Southeast Region;
2. to prepare graduates for additional professional training at the graduate level in social work or in related human service professions;
3. to provide an exposure to social work as a profession and to contemporary issues in the social welfare field.

In preparing the B.S.W. graduate for beginning professional practice, the curriculum provides the student with an opportunity to develop a knowledge base and skill base as a "generalist" practitioner. The student will develop an understanding of various interventive methods and skills in their application to a variety of client systems. For example, interventive methods may take the form of individual and group counseling, resource development, consultation, teaching, advocacy, etc. Client systems may be individuals, families, groups, organizations, or communities. The student will develop an understanding of the dynamics of human behavior in individual, group, and organizational contexts and the influences of the sociocultural environment upon those behaviors. The student will learn about the development of social welfare systems and institutions and the social, economic, and political processes affecting policy development and program implementation. The student will develop an understanding of the utilization of basic social research skills particularly related to the processes of problem-solving, planning, and evaluation.

The student will also become aware of the value base of the profession and engage in a self-examination process as it relates to the development and reflection of ethical and effective professional practice. The B.S.W. program, as any professional program, places great emphasis on the development of a professionally responsible graduate in terms of one's obligations to the client system served, the profession itself, the organization in which one works, and to the general public which ultimately provides any profession with legitimacy.

Enrollment in the B.S.W. program is limited. Unlike many academic programs where the student may declare a major, the B.S.W. program is a limited access program. Students may apply for admission to the School for the B.S.W. program after having satisfied the admission criteria described below. However, the completion of the prerequisites does not guarantee the student's admission to the program. Limited state funding places constraints on the size of the social work faculty and in order to maintain a high quality of instruction, it is necessary to achieve an appropriate faculty-student ratio. This means that it may be necessary to deny admission to the B.S.W. program solely on the basis of no available space. Any student applying for admission to the program should be aware of this possibility.

Admission to the B.S.W. program is a three-stage process, i.e., common prerequisites, foundation, and core curriculum. Any student who holds a minimum of Sophomore standing and has completed common prerequisite work in political science, biology, economics, psychology and sociology (see specific requirements below) may declare a presocial work major. This is done by filing a declaration of major form with the College of Arts and Sciences, Records and Advising Office. All pre-majors will be assigned to an academic advisor within the School who will assist the student in selecting courses. Many students will have already taken most of the common prerequisite courses as part of general distribution at USF or in their course of study at a community college. After completion, a student will be ready for foundation courses in the pre-social work major, a final step in applying for admission to the B.S.W. program as a full major. It is necessary to be admitted as a major before taking core social work courses.

Admission requirements for the social work major are as follows:

1. A student must have completed a minimum of one semester as a pre-social work major.
2. A student must have completed required common prerequisites and foundation courses (see listing).
3. A student must complete an application for admission and file it with the School of Social Work before the beginning of the semester in which admission is sought; dates will be posted in the Social Work office.
4. A student may be asked to complete an admission interview with a favorable action from the Undergraduate Committee.
5. A student must achieve a grade of "B" or better in SOW 3302, Introduction to Social Work, and SOW 3203, The American Social Welfare System, to be considered for admission.
6. A student must have successfully completed CLAST. CLAST may be repeated and the applicant may reapply to the program after successful completion of CLAST.

A student must achieve a GPA of 2.75 in all Social Work courses to enroll in field placement and subsequently graduate with the B.S.W. degree.

Common Prerequisite Courses (P)

A student must successfully complete, by earning a "C" or better:

One course in each of the following cognate areas or equivalency:

- **Human Biology:**
  - Food: Personal and Global Perspectives
  - Sex and Today's World
  - Principles of Biology for Non-majors
  - Human Anatomy & Physiology
  - Human Sexual Behavior

- **Political Science:**
  - American National Government
  - State and Local Government and Politics
  - Florida Politics and Government

- **Psychology:**
  - Introduction to Contemporary Psychology
  - Contemporary Problems in Psychology
Experimental Psychology  
Psychology of Adjustment  

Sociology  
Introduction to Sociology  
Contemporary Social Problems  
Social Psychology  
Sociology of Sex Roles  
Social Stratification  

Anthropology:  
Introduction to Anthropology  
The Anthropological Perspective  
Cultural Anthropology  
Ethnic Diversity in the USA  
The Individual and Culture  

Sociology:  
Racial and Ethnic Relations  

Women's Studies:  
Introduction to Women's Studies  
Psychology of Women  
Women and Politics  
Issues in Feminism  
American Women in Contemporary Society I  
American Women in Contemporary Society II  
Literature by American Women of Color  
The Image of Women in Literature (also offered in English)  
Third World Women Writers (also offered in English)  

2. Both of the following Social Work courses, earning a "B" or better:  
American Social Welfare System  
Introduction to Social Work  

- Requirements for the Major in Social Work (Core Courses)  
1. Human Behavior and Social Environment Courses  
SOW 3101 (4)  
SOW 3102 (4)  
2. Social Welfare: Policy & Program Course  
SOW 4233 (4)  
3. Social Research Course  
SOW 3401 (4)  
4. Social Work Practice Courses  
SOW 4341 (5)  
SOW 4343 (5)  
5. Directed Field Experience  
SOW 4510 (3)  
SOW 4510L (6)  
6. Multi-cultural America  
SOW 4522 (3)  

Summary:  
Core Courses  29 hours  
Field Experience  9 hours  
TOTAL  38 hours  

Prerequisites  
(State Mandated Common Prerequisites)  
This is a limited access program. 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.  
If possible, students enrolled in community colleges should take their college equivalents of common prerequisite courses (P) and cross-cultural foundation courses (P*) before entering USF. All courses must be passed with a "C" or better.  
SOW 3302, Introduction to Social Work and SOW 3203, American Social Welfare, must be taken at USF or another accredited institution and must be completed, earning a grade of "B" or better.

- 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  
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 core courses (12 hours):  
SYG2000 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 3010 Classical Theory  
SYA 3300 Research Methods (Prerequisite: STA 2122 Social Science Statistics or its equivalent)  
SYA 4336 Senior Seminar (Students earning a grade less than "C" in this course must take an additional course in Sociology. In that event, the minimum number of Sociology credits is 39)  
The remaining 24 hours of sociology coursework may be comprised of any of the courses offered by the Sociology department with the exception of SYG 2412 Marriage. This course counts toward the total number of hours needed to graduate but it does not count toward the minimum number of sociology hours needed for the major. No more than three hours of SYA4910 individual Research 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 3010 Classical Theory. No more than three hours of SYA 4910 Individual Research, may count toward the 18 hour minimum; SYG 2412 Marriage does not count toward the total number of minimum hours for the minor. 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.

Undergraduate Honors Program in Sociology
The purpose of the Honors Program in Sociology is to provide exceptional undergraduates with advanced, individualized training in research and writing, as well as more direct contact with faculty mentors. Students in the Honors Program can expect more intensive work and greater challenges than sociology students in the senior year ordinarily face; yet, students are not admitted to the program without the confidence of faculty in the student's abilities to complete the Program. The rewards upon successful completion of the program include: Students will receive advanced training in research design, data collection, analysis, and scholarly writing, all experiences beyond those normally given to sociology majors; Assuming the student is in good standing at the time of application to graduate school, a letter from the Honors Program director outlining the Program's requirements and special features will be sent to each graduate program to which s/he will be able to enroll in the class. If at all possible, the course should be in Sociology, although, in some instances, a course outside the department may be approved by the director.

E) Tentative agreement by a faculty member to serve as chair of the thesis committee. This faculty member should indicate her/his willingness in a letter of recommendation to the director of the Honors Program.

Successful completion of the Honors program requires completion of the Sociology program with a GPA of 3.5 or better, completion of Honors Seminar and Honors Colloquium, and completion of Honors Thesis. See Sociology Undergraduate Advisor for more information.

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 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 introductory courses in Sociology 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 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2122 Social Science Statistics</td>
<td>3</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>WST 2010 Introduction to Women's Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

WOMEN'S STUDIES (WST)
• Requirements for the Major in Women's Studies
The major in Women's Studies provides a well-rounded Liberal Arts education based on the best and most current scholarship on women in many disciplines. Its subject is not only the evolution of historical attitudes, ideologies, and practices concerning women but also an analysis of the current status of different classes, races and groups of women.

Women's Studies offers excellent undergraduate preparation as well for (1) 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; (2) those who want to focus on women in specific disciplines or professions; and (3) those whose training would benefit from a close scrutiny of the major issues facing women today.

 Majors must complete 36 hours distributed as follows:

Required Core Courses (6 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3011</td>
<td></td>
</tr>
<tr>
<td>WST 4935</td>
<td></td>
</tr>
</tbody>
</table>

and at least 1 course from each of the following 6 areas of concentration (18 hours) and 12 hours of electives

1. MULTICULTURAL ISSUES 2. HISTORY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3275</td>
<td>AMH 3561</td>
</tr>
<tr>
<td>AFA 4335</td>
<td>AMH 3562</td>
</tr>
<tr>
<td>ANT 4302</td>
<td>WST 3210</td>
</tr>
<tr>
<td>WST 4260</td>
<td>WST 3220</td>
</tr>
<tr>
<td>WST 5266</td>
<td>WST 2309</td>
</tr>
<tr>
<td>WST 4310</td>
<td>WST 4310</td>
</tr>
</tbody>
</table>

3. HUMANITIES 4. SCIENCES

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 3145</td>
<td>SOP 3742</td>
</tr>
<tr>
<td>WST 4335</td>
<td>SYD 4800</td>
</tr>
<tr>
<td>AMS 3370</td>
<td>WST 2380</td>
</tr>
<tr>
<td>WST 4262</td>
<td>WST 4320</td>
</tr>
<tr>
<td>WST 4263</td>
<td>WST 4350</td>
</tr>
</tbody>
</table>

5. THEORY/PHILOSOPHY 6. PUBLIC POLICY

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 4342</td>
<td>POS 4693</td>
</tr>
<tr>
<td>PHI 4632</td>
<td>POS 4694</td>
</tr>
<tr>
<td>PHY 5125</td>
<td>PUP 4532</td>
</tr>
<tr>
<td>WST 5001</td>
<td></td>
</tr>
<tr>
<td>WST 5318</td>
<td></td>
</tr>
</tbody>
</table>

The following courses, not included within the six areas of concentration, may be used to complete elective hours:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3010</td>
<td>WST 4930</td>
</tr>
<tr>
<td>WST 3360</td>
<td>WST 5934</td>
</tr>
<tr>
<td>Student of &quot;C&quot;</td>
<td>STA 2122</td>
</tr>
<tr>
<td>WST 4910</td>
<td></td>
</tr>
</tbody>
</table>

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

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

- WST 3010 or WST 3011
- Plus 5 electives chosen from the 6 areas of concentration with no more than 2 courses from any one area and with at least 2 courses at the 4000 level and above.

Students who minor in Women’s Studies must be certified by the Undergraduate Advisor.

Minor in "WOMEN OF COLOR"

Women's 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. For those interested in the difficult task of creating a harmonious multi-ethnic world, this course of study should be personally and socially rewarding as well as academically challenging.

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:

- WST 3275
- WST 4263
- WST 4260
- WST 4262
- WST 4930
- WST 5266
- WST 5265
- WST 5266
- WST 5267

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 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.

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 take 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.

Social Sciences

- Liberal Arts
- WST 3010 Intro to Women's Studies

Courses to improve reading and writing skills

American Chemical Society Student Affiliate-To enhance students’ knowledge of chemistry and chemistry-related fields. For further information please contact Dr. Stanko, 813-974-2674, CHE 306.

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 Medical Student Association (AMSA) - 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 Science Advising Center, CHE 306.

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 813-974-0783.

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 SOC 102 or call 813-974-6916.

Arts and Sciences Honor Society-To recognize high academic achievement by students in the College of Arts and Sciences. Membership is by invitation. Inductions are held each fall and spring. For further information please go to SOC 102 call 813-974-6916.

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

Blacks Organized for Social Science - This is a service club for students majoring or interested in the social science field who wish to enhance studies and broaden leadership skills. For further information please go to SOC 102.

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 extra-curricular learning as well as social interaction among communication majors and minors. For further information please go to CIS 3058.

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-To foster academic excellence in the Geographic disciplines.

Geography Club-To foster understanding of and stimulate interest in the discipline of Geography and its subfields. For further information please go to SOC 305.

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 reach geology to local elementary schools. For further information please contact Dr. Jeff Ryan, SCA 507: Undergraduate Advising Office, CHE 306; or Geology Web Page @ 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 which supplements and compliments 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 Science Advising Center, CHE 306.

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.

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.

Legal Brief -To publish an annual law journal devoted to the exploration of legal issues through articles, interviews and practice experiences. For further information please go to SOC 352.

Minority Preprofessional and Science Society - The objectives of the Society are to:
(1) promote minority student interest in careers in the natural sciences and the health professions;
(2) provide a support network to enable students to be academically successful.

The Society meets twice monthly on Wednesday afternoons. Membership is open to all students in the College of Arts and Sciences. For further information call the Health Professions Advising office, 974-2674/3874.

NASW Sub Unit (National Assoc. of Social Workers)-To be a subunit of the National Association of Social Workers, and to provide a social/educationalphilanthropic organization for the School of Social Work students. For further information please go to MGY 132.

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.

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 Science Advising Center, CHE 306.

Preoptometry 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 Science Advising Center, CHE 306.

Preveterinary Society - USF Preveterinary 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 which 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. For further information please go to Science Advising Center, CHE 306.

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

Student Broadcasting Association-To give students with an interest in television/radio journalism on-hands 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 goto PHY 342.

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.

Women’s Studies Student Association-To promote interest in women’s issues and provide an informative and social atmosphere for all interested Women’s Studies affiliates.

ARTS AND SCIENCES FACULTY

Africana Studies

Director: N. C. James; Associate Professors: K. R. Glover, N. C. James, D. G. Plant, T. W. Purcell; Assistant Professor: C. R. Rodriguez, D. Turner; Other Faculty: D. Blill, C. Heglar, R. Kaplan, F. U. Ohaegbulam, L. W. Morehouse, P. J. Collins, K.
Bachelor of Independent Studies
Director: F. Steier; Coordinator: F. Eilers; Area Coordinators: W. Him (BIS Humanities), R. Wheeler (BIS Social & Behavioral Sciences).

Anthropology


Communication
Chairperson: E. Eisenberg; Professors: A. P. Bochner, K. N. Cissna, E. M. Eisenberg, C. S. Ellis, L. S. Pettigrew, R. J. Schneider, M. L. Vanderford; Associate Professors: E. E. Bell, B. F. Downs, C. J. Jablonski, N. C. James, M. Neumann, A. D. Payne, F. Steier; Assistant Professors: J. Jorgensen, G. Rodman; Courtesy Faculty: M. Myerson.


Community Experience Learning
Coordinator: R.R. Jones.


Chairperson: R. Khator; Assistant Director: I. Bartsch.


Chairperson: S. L. Gaggi; Professors: C. B. Cooper, S. L.
Interdisciplinary Social Sciences

Coordinator: R. J. Gagan; Professor: S. M. D. Stamps, Jr.; R. H. Wheeler, Associate Professor: S. E. Cahill; Assistant Professors: C. R. Kasee, L. Mayfield-Brown; Instructor: W. Cummings; Lecturer: R. J. Gagan.

International Studies


Languages & Linguistics


Library and Information Science


Marine Science


Mass Communications


Mathematics


Medical Technology

Director: S. H. Grossman; Courtesy Professors: I. L. Brownsey (Tampa General Hospital), L. Davis (Bayfront Medical Center), N. M. Hardy (University Medical Center/Jacksonville), R. F. Holcomb (Florida Hospital), M. Patterson (St. Vincent’s Medical Center); Courtesy Lecturers: L. Chakravak (St. Vincent’s Medical Center), L. Ferguson (Tampa General Hospital), P. Rogers (Florida Hospital), J. Schurig (Bayfront Medical Center), J. Sigler (University Medical Center).

Philosophy

Chairperson: P. A. French; Associate Chair: J. B. Waugh; Professors: J. P. Antong (Distinguished Professor of Greek Philosophy & Culture), J. A. Bell, P. A. French (Cole Chair in Ethics), L. L. McAlister, B. Silver, W. H. Truitt, R. C. Weatherford, K. Wirued; Distinguished Research Professors: S. P. Turner, Associate Professors: R. N. Taylor, J. B. Waugh; Assistant Professors: P. J. Desautels, M. R. Schonfeld; Courtesy Associate Professors: M. Gibbons, M. Myerson; Courtesy Professor: J. Morreall.

Physics


Political Science


Public Administration

Director: J. E. Pynes; Professors: J. E. Freisist, S. A. MacManus; Associate Professors: J. L. Daly, J. E. Pynes, Assistant Professor: A. Njoh; Joint Appointments: Professors: J. C. Merrick; Associate Professors: J. E. Benton, R. Khator, P. N. Rigos.

Psychology

Rehabilitation and Mental Health Counseling

Chairperson: W. G. Emener; Distinguished Research Professor: W. G. Emener; Professors: J. D. Rasch; Associate Professors: S. Kelley, T. J. Wright; Assistant Professors: C. Dixon; Clinical Instructor: J. Ferrandino.

Religious Studies


Social Work


Women's Studies

Chairperson: L. L. McAllister; Professor: L. L. McAllister; Associate Professors: G. Grewal, M. Myerson, J. B. Snook, K. Vaz; Assistant Professors: I. Bartsch, C. DiPalma, C. J. Eichner; Courtesy Associate Professors: R. A. Banes, L. M. Whiteford.

ARTS AND SCIENCES COURSES

African Studies

AFA 2000 INTRODUCTION TO THE BLACK EXPERIENCE [IN AFRICA AND ITS DIASPORA] -6A -AF
Fundamental perspectives on the nature and significance of the Black Experience in Africa and the black communities in the Americas.

AFA 4033 BLACK ENGLISH -6A -AF
Black English focuses on linguistic patterns among African Americans in the U.S., South and Central America, and the Caribbean. It examines language in relation to issues of domination, social stratification, economics, and political empowerment.

AFA 4150 AFRICA AND THE UNITED STATES -6A -SS -HP -AF
An examination of the historical and current political, economic, and cultural relations between the United States and Africa. (Also listed under International Studies.)

AFA 4331 SOCIAL INSTITUTIONS AND THE AFRICAN-AMERICAN COMMUNITY -3A
A study of social institutions as they relate to the African-American Community, with emphasis on social systems operating within and on the African-American community.

AFA 4335 BLACK WOMEN IN AMERICA -6A -XMW
An interdisciplinary exploration of the contemporary experience of black women in America, including the African roots, myths and realities surrounding that experience. (Also listed under Women's Studies.)

AFA 4900 DIRECTED READINGS -2A -3A
Independent readings in a particular area of African and Afro-American Studies, selected by student and instructor.

AFA 4931 SELECTED TOPICS IN AFRICANA STUDIES -1A -3A
Topics offered are selected to reflect student needs and faculty interests. In depth study in such areas as the Black Student and the American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 18th century; Contemporary Economic Problems in Africa.

AFH 3100 AFRICAN HISTORY TO 1850 - HP -AF
An outline survey of pre-colonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also listed under History.)

AFH 3200 AFRICAN HISTORY SINCE 1850 - HP -AF
Survey of the colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the development, emergence of independent African states and post independence problems of nation building and economic development. (Also listed under History.)

AFS 2250 CULTURE AND SOCIETY IN AFRICA -6A -AF
Topics include: African religion, value systems, art and the aesthetics, family and life-cycle, impact of Islam and Christianity and conflicts of cultures.

AFS 3251 ENVIRONMENTAL-CULTURAL STUDY IN AFRICA -SS -AF -FA
A study of pre-colonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also listed under History.)

AFS 3284 AFRICAN LITERATURE SURVEY -3A
African Literature Survey explores the socio-historical, philosophical, and political dynamics of African Cultures through the study of African oral literature and the reading of African literary text of various genres.

AMH 3571 AFRICAN AMERICAN HISTORY TO 1865 - HP
A survey of African American History, with an emphasis on North America to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War. (Also offered under History.)

AMH 3572 AFRICAN AMERICAN HISTORY SINCE 1865 - HP
A survey of African American history, with an emphasis on North America from 1865 to the present. Topics include reconstruction, World War I, World War II, and the Civil Rights Movement. (Also offered under History.)

AML 3604 AFRICAN AMERICAN LITERATURE -6A -XLW
A study of black American literature from the nineteenth century to the present, including the works of such writers as W. E. B. DuBois, Jean Toomer, Langston Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni. (Also offered under English Department.)

AML 4303 MAJOR WORKS: NORA NEALE HURSTON
The course focuses on the life, works, and times of Zora Neale Hurston as a major Harlem Renaissance figure and a renown Florida writer.

AMS 3700 RACISM IN AMERICAN SOCIETY -SS -HP
An introduction into the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of entrenchment and class conflict will also be studied. (Also offered under American Studies.)

ANT 4340 THE CARIBBEAN - 6A -XMW
A study of the Caribbean region, focusing on the development of a modern social and political structure.
American Studies

Anthropology

ANT 1001 THE HUMAN ADVENTURE (2)
This course examines the anthropological evidence relevant to controversial questions concerning human origins, social practices, human and animal communication, and ancient societies. Not for major credit.

ANT 2000 INTRODUCTION TO ANTHROPOLOGY -SS -AF (3)
The crosscultural study of the human species in biological and social perspective. Surveys the four major branches of anthropology: physical anthropology (human biology), archaeology (the analysis of the prehistoric and historic remains of human cultures), anthropological linguistics (the analysis of language in its cultural context), and cultural anthropology (the crosscultural study of peoples living in the world today, be they in tribal, peasant, or urban societies).

ANT 2410 CULTURAL ANTHROPOLOGY -SS -AF (3)
PR: ANT 2000 or CI. Discussion of major methods of and orientations to the crosscultural study of the world's peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.

ANT 3005 THE ANTHROPOLOGICAL PERSPECTIVE -AF (3)
For non-anthropology majors only. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at encouraging the student to understand the anthropologist's crosscultural view of the human species as adapting through biosocial means to life on this planet. May not be counted for credit toward an anthropology major.

ANT 3101 ARCHAEOLOGY -SS (3)
The crosscultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies.

ANT 2511 BIOLOGICAL ANTHROPOLOGY -NS
PR: ANT 2000 or CI. Non-human primates, the fossil record and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture and evolution are emphasized.

ANT 3610 ANTHROPOLOGICAL LINGUISTICS -SS (3)
PR: ANT 2000 or CI. The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality.

ANT 4034 THEORIES OF CULTURE (3)
PR: Senior standing with major in anthropology or equivalent. The major concepts that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered.

ANT 4124 ARCHAEOLOGICAL FIELD METHODS (4-12)
PR: ANT 3100 or CI. Offered as all or part of a summer (or other semester) field session. May or may not be combined with Florida Anthropology and Laboratory Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, data and materials recovery, recording, and processing.

ANT 4149 FANTASTIC ARCHAEOLOGY: MYSTERIES OF THE HUMAN PAST - XMW (3)
Mysteries of the human past, including the Lost Continent of Atlantis, Ancient Astronauts, the 'Myth' of the Moundbuilders, and the Shroud of Turin will be discussed in detail in this course. The practice of archaeology and how we know the past will also be presented, and skills in critical thinking will be emphasized. May not be counted for credit toward an anthropology major.

ANT 4153 NORTH AMERICAN ARCHAEOLOGY -6A (3)
PR: ANT 3101 or CI. An examination of the evidence regarding the human settlement of North America from its beginnings through the development of aboriginal culture to the period of European conquest. Focus on the comparative study of material culture at selected sites from all time periods. No field work is involved.

ANT 4158 FLORIDA ARCHAEOLOGY (4)
PR: ANT 3101 or CI. Culture history and culture process over 10,000 years from the time of the first people in Florida (Paleo-Indians) through the elaborate Weeden Island and Safety Harbor burial and temple mound cultures to the Spanish entrada and consequences of European conquest. Review of temporal and spatial relationships within the entire eastern U.S. and elsewhere. May be part of a summer (or other semester) field school, combined with
ANT 4162 SOUTH AMERICAN ARCHAEOLOGY (3)
PR: ANT 3101 or CI. Describes and analyzes the sequence of cultural development in prehistoric South America. Cultures such as the Inca, Chavin, Mochica, Wari, Chimú are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4163 MESOAMERICAN ARCHAEOLOGY (3)
PR: ANT 3101 or CI. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4172 HISTORICAL ARCHAEOLOGY -6A (3)
PR: ANT 3101 or CI. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classroom.

ANT 4180 LABORATORY METHODS IN ARCHAEOLOGY (2-4)
PR: ANT 3101 or CI. Data and materials recovered from archaeological survey and excavation are processed in the laboratory. Includes artifact cleaning, cataloguing, identification, and analysis; soil flotation; reconstruction and conservation of artifacts, mapmaking, etc. May be offered as part of a summer (or other semester) field session. May be combined with Florida Archaeology and Field Methods in Archaeology.

ANT 4181 MUSEUM METHODS (4)
PR: ANT 3101 and CI. Design, preparation and installation of exhibits in the Department of Anthropology Teaching Exhibit Gallery. Emphasis on theory, research, design, and construction. Discussion of museum-related issues such as administration and curation.

ANT 4226 ANTHROPOLOGY OF ART -6A (3)
PR: ANT 2410 or CI. An examination of the relationship between the visual arts (sculpture, painting, masks, carving, etc.) and culture in non-Western societies. Emphasis on formal symbolic and functional comparative analysis of specific art styles based on crosscultural materials. Consideration of diffusion and change of art forms, commercial and ethnic arts, and role of the artist.

ANT 4231 FOLKLORE -6A (3)
PR: ANT 2410 or CI. Focuses on crosscultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American societies are surveyed.

ANT 4241 MAGIC AND RELIGION -6A -XMW (3)
PR: ANT 2410 or CI. The crosscultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, religious practitioners and symbols of belief will be considered in light of their impact on the social, political or economic aspects of peoples' lives.

ANT 4285 ORAL HISTORY (3)
PR: ANT 2410 or CI. A survey of the history, methods, and current applications of oral history research, primarily in the anthropological study of culture, but with reference to allied disciplines. Students will become familiar with oral history through intensive analysis of selected case studies as well as guided field projects.

ANT 4302 GENDER IN CROSS-CULTURAL PERSPECTIVE and ANALYSIS -3A (3)
PR: ANT 2410 or CI. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today. (Also offered under Women's Studies.)

ANT 4305 VISUAL ANTHROPOLOGY (3)
PR: ANT 2410 or CI. The use of photographic techniques for the crosscultural recording and analysis of human activities. The study of ethnographic photography as both art and science, and the production of an anthropological study that expresses the goal of "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4312 NORTH AMERICAN INDIANS (3)
PR: ANT 2410 or CI. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political and religious systems, enculturation and worldview, folklore and visual art.

ANT 4316 ETHNIC DIVERSITY IN THE UNITED STATES -XMW (3)
PR: ANT 2410 or CI. Special concerns include ethnic diversity in American society, historical and contemporary diversity in values, experiences, and lifestyles, and an examination of policies and problems affecting ethnic groups in the United States.

ANT 4324 MEXICO AND CENTRAL AMERICA (3)
PR: ANT 2410 or CI. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 THE CARIBBEAN -6A -XMW (3)
PR: ANT 2410 or CI. Main themes include: the depopulation of the aboriginal population and the resettlement of the area via slavery, indenture, and migration; contemporary ethnic heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed. (Also offered under Africana Studies.)

ANT 4401 EXPLORING CROSS-CULTURAL DIVERSITY -XMW (3)
This course will introduce students to anthropological perspectives which are useful in understanding the implications of cultural diversity related to changing demographic patterns within our country as well as to increasing globalization. May not be counted for credit toward an anthropology major.

ANT 4432 THE INDIVIDUAL AND CULTURE -6A -XMW (3)
PR: ANT 2410 or CI. The relationship between the individual and society is studied crossculturally. Main themes include: the impact of medicine on the development of human culture; comparative studies of curing practices; medical systems and cultural diversity related to changing demographic patterns within our country as well as to increasing globalization. May not be counted for credit toward an anthropology major.

ANT 4442 URBAN LIFE AND CULTURE (3)
PR: ANT 2410 or CI. The crosscultural study of urbanization, urbanism and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.

ANT 4462 HEALTH, ILLNESS, AND CULTURE (3)
PR: ANT 2410 or CI. The study of health and human behavior in crosscultural perspective. Main themes include: the impact of disease on the development of human culture; comparative studies of curing practices; medical systems and cultural diversity related to understanding the role of medicine, and the behavior of both practitioners and patients in modern societies.

ANT 4495 METHODS IN CULTURAL RESEARCH (3)
PR: CI. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formulation, design of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research design models from the case literature are studied and supervised research in the local community is designed and carried out.

ANT 4520 FORENSIC ANTHROPOLOGY (3)
PR: ANT 2511 or CI. A detailed overview of forensic anthropology, skeletal variation, techniques of determining
sex, age, population affiliation, aspects of osteological individuality and identification, methods of osteological analysis. Open to majors/minors only.

**ANT 4552 EVOLUTIONARY BIOLOGY OF THE PRIMATES (3)**
PR: ANT 2511 or CI. A survey of non-human primates focusing on biological and evolutionary patterns. Anatomy, genetics, and evolution are stressed; major primate types are surveyed for their biological adaptation. Primate sociobiology is discussed.

**ANT 4583 PREHISTORIC HUMAN EVOLUTION -NS (3)**
PR: ANT 2511 or CI. A survey of the fossil record from the early primates through the ascent of Homo sapiens sapiens, focusing on the human lineage. Biosocial patterns and cultures of the past are also covered.

**ANT 4578 HUMAN VARIATION (3)**
PR: ANT 2511 or CI. An overview of evolution and biological variations of human races. Anatomical, morphological, and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

**ANT 4620 LANGUAGE AND CULTURE -6A (3)**
PR: ANT 3610 or CI. Examines the relationships between language and culture in crosscultural perspective. Explores the extent to which languages shape the world views of their speakers. Emphasis on the nature and degree of fit between linguistics and other cultural systems of knowledge.

**ANT 4705 APPLIED ANTHROPOLOGY (3)**
PR: ANT 2410 or CI. A review of approaches applying the anthropological perspective to contemporary human problems. Particular emphasis placed on public policy issues in United States society. Discussion of the historical development of applied anthropology, problems of economic development of the Third World, and the ethics of applied research and intervention.

**ANT 4750 LANGUAGE AND SOCIAL INTERACTION -6A (3)**
PR: ANT 3610 or CI. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the crosscultural description and analysis of patterns of communication in ethnographic contexts.

**ANT 4901 DIRECTED READING (1-4)**
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration. (S/U only.)

**ANT 4907 INDIVIDUAL RESEARCH (2-4)**
PR: CI. Individual guidance in a selected research project. Contract required prior to registration. (S/U only.)

**ANT 4930 SPECIAL TOPICS IN ANTHROPOLOGY (3)**
PR: CI. Topics to be chosen by students and instructor permitting newly developing subdisciplinary special interests to be explored. May be repeated as topics vary.

**ANT 4932 HONORS SEMINAR (4)**
PR: Admission to the honors program in anthropology and CI. Seminar designed to provide the honors student with an opportunity to present, discuss and defend his/her own research and to explore in-depth topics in several areas of anthropology.

**ANT 4933 RETHINKING ANTHROPOLOGY -6A (3)**
PR: Senior standing with major in anthropology, or equivalent. Through discussion of readings and student papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and specialty fields. Students develop and articulate their current images of anthropology.

**ANT 4937 HONORS THESIS (3)**
PR: Admission to the honors program, completion of the honors seminar and CI. The student under the supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in anthropology. (S/U only.)

**ANT 5904 DIRECTED READING (1-4)**
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration. (S/U only.)

**ANT 5915 INDIVIDUAL RESEARCH (2-4)**
PR: CI. Individual guidance in a selected research project. Contract required prior to registration. (S/U only.)

**ANT 5937 SEMINAR IN ANTHROPOLOGY (2-4)**
PR: Graduate standing. Topics to be chosen by students and instructor.

**Astronomy**

**AST 2005 ASTRONOMY OF THE SOLAR SYSTEM -NS (4)**
Introduction to the Astronomy of the Solar System. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2006. Either may be taken before the other or taken by itself.

**AST 2006 STELLAR ASTRONOMY AND COSMOLOGY -NS (4)**
An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

**AST 3032 ILLUSTRATING ASTRONOMY (3)**
Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations. Lec.-lab.

**AST 3033 CONTEMPORARY THINKING IN ASTRONOMY-NS (3)**
PR: Junior or Senior Standing or CI. Seminar designed to assist the layman, with no scientific background, in comprehending contemporary developments in Astronomy. Necessary background material is provided by the instructor and text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extraterrestrial life, interacting galaxies, cosmology.

**AST 3044 ARCHAEOASTRONOMY (3)**
PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting change of seasons, constructing calendars, predicting eclipses, etc. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians. Lec.-lab.

**AST 3652 NAVIGATION (3)**
PR: Some knowledge of geometry, algebra, and trigonometry. Timekeeping, use of sextant, constellations, celestial navigation with minimum equipment, spherical astronomy.

**AST 3930 SELECTED TOPICS IN ASTRONOMY (1-4)**
PR: CI. Course content will depend upon the interest of the faculty member and student demand. May be repeated up to 8 credit hours.

**AST 5506 INTRODUCTION TO CELESTIAL MECHANICS (3)**
PR: MAC 2313 or MAC 2283 and some knowledge of differential equations, or CI. The two-body problem, introduction to Hamiltonian systems and canonical variables, equilibrium solutions and stability, elements of perturbation theory.

**AST 3932 SELECTED TOPICS IN ASTRONOMY (1-5)**
PR: Senior or advanced junior standing or CI. Intensive coverage of special topics to suit needs of advanced students.

**GLY 2040 ORIGINS: FROM THE BIG BANG TO THE ICE AGE -NS (3)**
The history of the cosmos, origin of the universe, galaxies, the solar system, and earth, evolution of life, great extinctions including the dinosaurs, evolution of the primates, and the environmental future of the planet. (For both non-science and science majors.)

**GLY 4045 MOONS, Planets AND METEORS: AN INTRODUCTION TO PLANETARY SCIENCE -XMW (3)**
PR: Junior standing. Solar System exploration, from...
### Bachelor of Independent Studies

**BSC 4057 ENVIRONMENTAL ISSUES**
- **PR:** BIS HUM 4909 or CI (S/U only)
- **(15)**

**BSC 3263 MARINE BIOLOGY**
- **PR:** BOT 3373C and PCB 3043 or CI
- **(4)**

**IDS 4990 BIS INTER-AREA STUDIES**
- **CR/PR:** BOT 4503L
- **(30)**

**ISC 4909 BIS SOCIAL SCIENCES, INDEPENDENT STUDY**
- **CR/PR:** BOT 4503L
- **(15)**

**IDS 4990 BIS NATURAL SCIENCES, INDEPENDENT STUDY**
- **CR/PR:** BOT 4503L
- **(3)**

**ISS 4909 BIS SOCIAL SCIENCES, INDEPENDENT STUDY**
- **CR/PR:** BOT 4503L
- **(15)**

**ISS 4939 BIS SOCIAL SCIENCES, SEMINAR**
- **CR/PR:** BOT 4503L
- **(S/U only)**

**HUM 4939 BIS HUMANITIES, SEMINAR**
- **CR/PR:** BOT 4503L
- **(S/U only)**

**HUM 4909 BIS HUMANITIES, INDEPENDENT STUDY**
- **CR/PR:** BOT 4503L
- **(15)**

**HUM 4909 BIS SOCIAL SCIENCES, INDEPENDENT STUDY**
- **CR/PR:** BOT 4503L
- **(15)**

**HUM 4909 BIS SOCIAL SCIENCES, SEMINAR**
- **CR/PR:** BOT 4503L
- **(S/U only)**

**HUM 4909 BIS SOCIAL SCIENCES, SEMINAR**
- **CR/PR:** BOT 4503L
- **(S/U only)**

**HUM 4909 BIS SOCIAL SCIENCES, SEMINAR**
- **CR/PR:** BOT 4503L
- **(S/U only)**

**Biology**

**NOTE:** Designated levels indicate for whom courses are intended. 2000-Freshmen/Sophomore, 3000-Junior, 4000-Senior, 5000-Advanced Seniors and Graduate Student status. Students who attempt higher-level courses too early may not do well in them.

**BOT 3373C VASCULAR PLANTS: FORM AND FUNCTION**
- **PR:** BSC 2010, 2010L, BSC 2011, 2011L. Introduction to morphology, physiology, and evolution of vascular plants, integrating form and function to understand diversity. Lec-lab.
- **(4)**

**BOT 3850 MEDICAL BOTANY**
- **PR:** BSC 2010, 2010L, 2011, 2011L, CHM2210, and Junior standing. Study of agents that are produced by plants and that are toxic or psychoactive in human beings or are useful as remedies. Lec.
- **(3)**

**BOT 4143C FIELD BOTANY**
- **PR:** BOT 3373C. Identification and classification of native and naturalized flowering plants of Florida including historical, climatic and floristic aspects of plant communities. Conducted largely in the field. Lec-lab.
- **(3)**

**BOT 4223C PLANT ANATOMY**
- **PR:** BOT 3373C. Comparative studies of tissue and organ systems of fossil and present-day vascular plants. Functional and phylogenetic aspects stressed. Lec-lab.
- **(3)**

**BOT 4434C MYCOLOGY**
- **PR:** BOT 3373C or MCB 3030C. A survey of the fungi with emphasis on their taxonomy, morphology, physiology and economic importance. Lec-lab.
- **(3)**

**BOT 4503 PLANT PHYSIOLOGY**
- **PR:** BOT 3373C, PCB 3023, PCB 3043, or PCB 3063 and CHM 2211. Fundamental activities of plants: absorption, translocation, transpiration, metabolism, growth, and related phenomena. Lec.
- **(3)**

**BOT 4503L PLANT PHYSIOLOGY LABORATORY**
- **CR/PR:** BOT 4503. Laboratory portion of Plant Physiology.
- **(1)**

**BOT 4713C PLANT TAXONOMY**
- **PR:** BOT 3373C. Principles of vascular plant systematics and evolution. Lec-lab.
- **(4)**

**BOT 4810 ECONOMIC BOTANY**
- **PR:** BOT 3373C. Study of the uses of plants by man for food, chemicals, fibers, and medicines. Lec.
- **(3)**

**BOT 5185C MARINE BOTANY**
- **PR:** BOT 3373C and PCB 3043 or CI. A field course in marine plants with emphasis on ecology and functional morphology. Field work will stress the ecological aspects of plants in a subtropical marine environment in Florida. Lec-lab.
- **(4)**

**BSC 1005 BIOLOGICAL PRINCIPLES FOR NON-MAJORS**
- **(3)**

Lectures and demonstrations of selected biological principles, usually taught by television. For non-majors only.

**BSC 2010 BIOLOGY I - CELLULAR PROCESSES**
- **CR/PR:** CHM 2045. An analysis of biological systems at the cellular and subcellular levels: cell structure and function, respiration, photosynthesis, mitosis and meiosis, genetics and gene expression. Lec.
- **(3)**

**BSC 2010L BIOLOGY I - CELLULAR PROCESSES LABORATORY**
- **CR/PR:** BSC 2010. Laboratory portion of Biology I Cellular Processes.
- **(1)**

**BSC 2011 BIOLOGY II - DIVERSITY**
- **PR:** BSC 2010 and BSC 2010L. An analysis of biological systems at the organismal and supraorganismal levels: evolution, speciation, history of life, and ecology. Lec.
- **(3)**

**BSC 2011L BIOLOGY II - DIVERSITY LABORATORY**
- **CR/PR:** BSC 2011. Laboratory portion of Biology II Diversity.
- **(1)**

**BSC 2022 BIOLOGY OF AGING**
- **An introduction to the basic biology of aging. Emphasis will be placed on understanding basic principles of biology relevant to time and the aging process which begins at birth. Lec. May be taken by majors for free elective credit only.**
- **(3)**

**BSC 2025 FOOD: PERSONAL AND GLOBAL PERSPECTIVES**
- **The application of basic biological principles to human nutritional problems, to learn how various cultures achieve adequate nutrition and how environmental changes impact both personal and global nutrition. Lec. May be taken by majors for free elective credit only.**
- **(3)**

**BSC 2030 SAVE THE PLANET**
- **An introduction to environmental sciences via television and independent study. Emphasis will be placed on understanding basic principles of ecology relevant to problems and topics of the earth’s environment. May be taken by majors for free elective credit only. Credit will be given for either BSC 2030 or BSC 2050, but not both.**
- **(3)**

**BSC 2035 SEX & TODAY’S WORLD**
- **The application of basic biological principles to female and male sexual behavior and reproduction; current social problems are treated from a biological perspective. Lec. May be taken by majors for free elective credit only.**
- **(3)**

**BSC 2050 ENVIRONMENT**
- **The application of basic scientific principles to global environmental problems; how human activities impact the environment. Lec. May be taken by majors for free elective credit only. Credit will be given for either BSC 2030 or BSC 2050, but not both.**
- **(3)**

**BSC 2085 HUMAN ANATOMY & PHYSIOLOGY I**
- **PR:** BSC 2010, 2010L, 2011, 2011L. First half of a two-semester series introducing the structure and function of the human body’s major organ systems. Cellular and cardiac physiology, nervous, endocrine, skeletal, and muscular systems will be covered. May be taken by Departmental majors for free elective credit only.
- **(3)**

**BSC 2085 HUMAN ANATOMY & PHYSIOLOGY II**
- **PR:** BSC 2085. Second half of a two-semester series introducing the structure and function of the human body’s major organ systems. Circulatory, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems will be covered. May be taken by Departmental majors for free elective credit only.
- **(3)**

**BSC 2932 SELECTED TOPICS IN BIOLOGY**
- **May be repeated.**
- **(1-4)**

**BSC 3263 MARINE BIOLOGY**
- **PR:** BSC 2010, 2010L, BSC 2011, 2011L. A survey of marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats. Emphasis is on shallow water Florida environments. Lec.
- **(3)**

**BSC 4057 ENVIRONMENTAL ISSUES**
- **Study of biological, economic, ethical, legal, political and social issues relating to current environmental problems. Lec. May be taken by majors for free elective credit only.**
- **(3)**
MCB 4404L BIOLOGICAL RESEARCH METHODS (3)
PR: BSC 4931 or BSC 4932. A course to prepare Biology Honors students to work on their Honors theses. Enrollment is limited to Biology Department Honors students. S/U only.

BSC 4905 INDEPENDENT STUDY (1-3)
PR: CI and CC. Specialized independent study determined by the student's needs and interests. The written contract required by the Department of Biology specifies the regulations governing independent study. May be repeated. May be taken by majors for free elective credit only. S/U only.

BSC 4910 UNDERGRADUATE RESEARCH (1-4)
PR: CI and CC. Individual investigation with faculty supervision. May be repeated; only four credit hours may count for the major. May be repeated; only four credit hours may count for the major. S/U only.

BSC 4931 BIOLOGY HONORS SEMINAR I (2)
A course linked to the Biology Departmental Seminar in which students read publications related to the seminars, discuss the presentations and write critiques. Enrollment is limited to Biology Department Honors students.

BSC 4932 BIOLOGY HONORS SEMINAR II (3)
A reading and discussion course involving areas of general interest in biology. Enrollment is limited to Biology Department Honors students.

BSC 4933 SELECTED TOPICS IN BIOLOGY (1-3)
May be repeated.

BSC 4970 BIOLOGY HONORS THESIS (1-3)
PR: BSC 4402L. A thesis based on independent research carried out by the student. Enrollment is limited to Biology Department Honors students. May be repeated; only four credit hours may count for the major. S/U only.

BSC 5931 SELECTED TOPICS IN BIOLOGY (1-3)
May be repeated.

ENY 3004C INTRODUCTION TO ENTOMOLOGY (3)

ENY 5505C AQUATIC ENTOMOLOGY (3)
PR: ENY 3004C or CI. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec-lab.

MCB 3030C GENERAL MICROBIOLOGY (4)

MCB 4115C DETERMINATIVE BACTERIOLOGY (5)
PR: MCB 3030C. Survey of bacterial classification; detailed examinations of bacteria important to man in agriculture, industry and as pathogens. Lec-lab.

MCB 4204 MICROBIAL PHYSIOLOGY AND GENETICS (4)
PR: MCB 3030C and CR/PR: BCH 3023. A study of the physiological, metabolic, and genetic phenomena pertinent to understanding the growth, development, ecology, regulation, and reproduction of microorganisms. The course emphasizes the interdependence of physiological and genetic approaches to microbiology.

MCB 4404L MICROBIAL PHYSIOLOGY AND GENETICS LABORATORY (1)
CR/PR: MCB 4404. Laboratory portion of Microbial Physiology & Genetics.

MCB 4910 MICROBIOLOGY UNDERGRADUATE RESEARCH (1-4)
PR: CI AND CC. Individual investigation with faculty supervision. May be repeated; only four credit hours may count for the major. S/U only.

MCB 4934 SEMINAR IN MICROBIOLOGY (1)
CC: Advanced Junior or Senior standing. May be repeated. S/U only.

MCB 5206 PUBLIC HEALTH AND PATHOGENIC MICROBIOLOGY (3)
PR: MCB 3030C or CI. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology. Lec.

MCB 5515C MEDICAL MYCOLOGY (3)
PR: MCB 3030C or CI. A modern biological survey of the medically important fungi (yeasts and molds) important to microbiologists and environmental scientists. Lec-lab.

PCB 3023 CELL BIOLOGY (3)
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2045, 2045L, CHM 2046, 2046L. A discussion of the current and significance of the cell to biology; biological molecules and metabolic processes within the cell; cellular energy conversion systems; and control of cellular metabolism. Lec.

PCB 3023L CELL BIOLOGY LABORATORY (1)
CR/PR: PCB 3023. Laboratory portion of Cell Biology.

PCB 3034 PRINCIPLES OF ECOLOGY (3)
PR: BSC 2010, BSC 2010L, BSC 2011, BSC 2011L, CHM 2045, 2045L, CHM 2046, 2046L. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lec.

PCB 3043L ECOLOGY LABORATORY (1)

PCB 3063 GENERAL GENETICS (3)

PCB 3063L GENETICS LABORATORY (1)
CR/PR: PCB 3063. Laboratory portion of General Genetics.

PCB 4064C EXPERIMENTAL GENETICS (3)
PR: PCB 3063. Experimental analysis of genetic systems. Lec-lab.

PCB 4674 ORGANIC EVOLUTION (3)

PCB 4723 ANIMAL PHYSIOLOGY (3)
PR: PCB 3023, PCB 3043, PCB 3063, or ZOO 3323 and CHM 2211. Advanced presentation of mechanisms employed by animals to interact with their environments and to maintain their organization. Lec.

PCB 4723L ANIMAL PHYSIOLOGY LABORATORY (1)
CR/PR: PCB 4723. Laboratory portion of Animal Physiology.

PCB 4835 PRINCIPLES OF IMMUNOLOGY (3)
PR: PCB 3023 or CI. Course will emphasize the basic cellular and molecular mechanisms involved in the vertebrate immune response. Lec.

PCB 5253 DEVELOPMENTAL BIOLOGY (3)
PR: PCB 3023 or CI. Topics in modern developmental biology to gain a working knowledge and understanding of the cellular and molecular mechanisms of cell differentiation in both plants and animals. Lec.

PCB 5306L LIMNOLOGY LABORATORY (1)
CR/PR: PCB 5306. Laboratory portion of Limnology.
BCH 5045 BIOCHEMISTRY CORE COURSE (3)
PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. A one-semester survey course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates. Lec.

CHM 2021 CHEMISTRY FOR TODAY -NS (4)
PR: High school chemistry and high school mathematics including algebra are recommended. An introduction to the principles and applications of modern chemistry including the properties of matter, structural view of matter and reactions, quantitative relations in chemical reactions, technological aspects and societal impact.

CHM 2030 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY (4)
First half of a two-semester sequence. Fundamental concepts of general, organic, and biological chemistry. No credit for science majors.

CHM 2045 GENERAL CHEMISTRY I -NS (3)
PR: One year of high school chemistry and two years of high school mathematics including algebra; or, completion of CHM 2040 with grade of C or better. Principles and applications of chemistry including properties of substances and reactions, thermochemistry, atomic-molecular structure and bonding, periodic properties of elements and compounds.

CHM 2045L GENERAL CHEMISTRY I LABORATORY (1)
CR: CHM 2041. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2046 GENERAL CHEMISTRY II -NS (3)
PR: CHM 2041 or CHM 2045L or equivalent. Continuation of General Chemistry I. Lec.-dis-

CHM 2046L GENERAL CHEMISTRY II LABORATORY (1)
PR: CHM 2045L. Laboratory portion of General Chemistry II. Continuation of chemistry laboratory.

CHM 2200 ORGANIC CHEMISTRY (4)
PR: CHM 2045 or equivalent. Fundamental organic chemistry principles. Structure, nomenclature, properties, preparation, reactions of hydrocarbons, alkyl halides, alcohols, phenols, ethers, sulfur analogs and other compounds. A one-semester course.

CHM 2210 ORGANIC CHEMISTRY I (3)
PR: CHM 2045, CHM 2045L or equivalent. Fundamental principles of organic chemistry. Lecture.

CHM 2210L ORGANIC CHEMISTRY LABORATORY I (2)

CHM 2211 ORGANIC CHEMISTRY II (3)
PR: CHM 2210 or equivalent. Continuation of organic chemistry. Lecture.

CHM 2211L ORGANIC CHEMISTRY LABORATORY II (2)
PR: CHM 2211L. CR: CHM 2211. Continuation of organic chemistry laboratory. Lec.-dis-

CHM 2032 SELECTED TOPICS IN CHEMISTRY (1-3)
Topics of interest to students relating to chemistry and other sciences.

CHM 3120C ELEMENTARY ANALYTICAL CHEMISTRY (4)
PR: CHM 2045, CHM 2045L. Fundamentals of gravimetric, volumetric, spectrophotometric analysis. Lec.-lab.

CHM 3400 ELEMENTARY PHYSICAL CHEMISTRY I (3)
PR: CHM 2045, CHM 2045L, MAC 2281 or MAC 2311, PHY 2054, PHY 2054L. Introduction to thermodynamics. Properties of solutions with emphasis on biological applications.

CHM 3401C ELEMENTARY PHYSICAL CHEMISTRY II (3)
PR: CHM 3400. Reaction kinetics, enzyme kinetics, macromolecular systems, radiochemistry, molecular spectroscopy, and chemical bonding.

CHM 3402L ELEMENTARY PHYSICAL CHEMISTRY LABORATORY (1)
PR: CHM 3120C. CR: CHM 3400 and/or CHM 3401. A...
physical chemistry laboratory with emphasis on modern techniques and instruments. Lab.

**CHM 3610 INTERMEDIATE INORGANIC CHEMISTRY (3)**

PR: CHM 2046, CHM 2046L. Fundamental principles of inorganic chemistry including atomic structure, bonding theories and structural consequences, transition metal chemistry and illustrative laboratory work.

**CHM 3610L INTERMEDIATE INORGANIC CHEMISTRY LABORATORY (1)**

CR: CHM 3610. Illustrative laboratory work concerning the fundamental principles of inorganic chemistry including atomic structure, bonding, transition metal chemistry, structural consequences and spectroscopic methods.

**CHM 4060 USE OF THE CHEMICAL LITERATURE (1)**

Discussions and assignments using abstracts, bibliographies, indices, encyclopedias, journals, patent files, electronic databases, and other information sources to obtain chemical and technical material and including written and oral presentations. Career information and opportunities also discussed.

**CHM 4070 HISTORICAL PERSPECTIVES IN CHEMISTRY -5A -XMW (3)**

PR: One year of college chemistry; or senior standing and CR. A study in depth of the historical and philosophical aspects of outstanding chemical discoveries and theories. Lec.-dis.

**CHM 4130C METHODS OF INSTRUMENTAL ANALYSIS (4)**

PR: CHM 3120C, CHM 2211, CHM 2211L, CHM 4060, CHM 4410. Theory and applications of instrumental methods in chemical research, chemical synthesis and analysis; electrochemical and calorimetric techniques, separation methods, spectroscopy, statistical analysis of data, computer data handling, and individual projects.

**CHM 4131C METHODS OF CHEMICAL INVESTIGATION (4)**

PR: CHM 3120C, CHM 4410 or CI. Continuation of CHM 4130C.

**CHM 4300 BIOMOLECULES I (3)**

PR: CHM 2211. Nature, structure, elucidation, synthesis and (in selected cases) organic chemical mechanisms of biochemical involvement of the major classes of organic compounds found in living systems. Lec.

**CHM 4410 PHYSICAL CHEMISTRY I (3)**

PR: CHM 3120C and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Thermodynamics, the states of matter, solutions. Lec.

**CHM 4411 PHYSICAL CHEMISTRY II (3)**

PR: CHM 3120C and MAC 2282 or MAC 2312, and PHY 2054 or PHY 2049. Introduction to quantum mechanics and molecular spectroscopy. Lec.

**CHM 4412 PHYSICAL CHEMISTRY III (3)**


**CHM 4420 ADVANCED INORGANIC CHEMISTRY (3)**

PR: CHM 3610 and CHM 4410 or CI. An advanced descriptive and theoretical treatment of inorganic compounds. Lec.

**CHM 4905 INDEPENDENT STUDY (1-3)**

PR: CI. Specialized independent study determined by the student's needs and interests. The written contract required by the College of Arts and Sciences specifies the regulations governing independent study. May be repeated. (S/U only)

**CHM 4932 SELECTED TOPICS IN CHEMISTRY (1-3)**

PR: CI. The course content will depend on the interest of faculty members and student demand. Recent topics include: Chemical Archaeology, Applied Spectroscopy, NMR, Toxic Substances, and Computers in Chemistry.

**CHM 4970 UNDERGRADUATE RESEARCH (1-3)**

PR: CI.

**CHM 5225 INTERMEDIATE ORGANIC CHEMISTRY (3)**

PR: CHM 2211, CHM 2211L, or equivalent. This course will extend organic chemistry beyond the undergraduate level and will emphasize concepts of stereochemistry and reaction mechanisms.

**CHM 5226 INTERMEDIATE ORGANIC CHEMISTRY II (3)**

PR: CHM 5225 or CI. An introduction to synthetic organic chemistry for graduate students and advanced undergraduates. Lec. Semester II.

**CHM 5425 APPLICATIONS IN PHYSICAL CHEMISTRY (3)**

PR: CHM 4411, CHM 4412 or equivalent. Applications of chemical theory to chemical systems.

**CHM 5452 POLYMER CHEMISTRY (3)**

PR: Either CHM 2211, CHM 2211L, and CHM 3400 or CHM 4410 or graduate standing. Fundamentals of polymer synthesis, structure, properties, and characterization.

**CHM 5621 PRINCIPLES OF INORGANIC CHEMISTRY (3)**

PR: CHM 4411 or CI. Chemical forces, reactivity, periodicity, and literature in inorganic chemistry; basic core course.

**CHM 5931 SPECIAL TOPICS IN CHEMISTRY (1-3)**

PR: CI. The following courses are representative of those that are taught under this title: Natural Products, Stereochemistry, Reactive Intermediates, Photochemistry, Instrumental Electronics, Advanced Lab Techniques, Heterocyclic Chemistry, etc.

**CHS 4100C NUCLEAR CHEMISTRY (3)**

PR: CHM 3120C. Theory and application of natural and induced radioactivity. Emphasis on the production, properties, measurement, and uses of radioactive tracers. Lec.-lab.

**CHS 4300 FUNDAMENTALS OF CLINICAL CHEMISTRY (3)**

PR: BCH 3033. Theoretical and practical aspects of the analysis of various body fluids, with emphasis on the medical significance. Clinical chemistry majors must take CHS 4301L concurrently. Lec.

**CHS 4301L CLINICAL LABORATORY (2)**

PR: CHM 3120C and CI, CHM 3120C. Laboratory experience in some of the most important clinical determinations. CHS 4300 must be taken concurrently. Lec.-lab.

**CHS 4302 CLINICAL CHEMISTRY PRACTICE (2-12)**

PR: CI. Laboratory practice in clinical chemistry laboratories in the Tampa Bay area. (S/U only)

**CHS 4310C INSTRUMENTAL ANALYSIS (4)**

PR: CHM 4412 or CI. Theory and practice of instrumental methods of chemical analysis. Lec.-lab.

**Communication**

**COM 2000 INTRODUCTION TO COMMUNICATION -SS (3)**

Introduction to the roles, contexts, and issues in contemporary human communication. Required of Communication majors.

**COM 3014 COMMUNICATION, GENDER AND IDENTITY (3)**

Examines the communicative origins and implications of gender roles.

**COM 3110 COMMUNICATION FOR BUSINESS AND THE PROFESSIONS (3)**

Identification of communication situations specific to business and the professions. Analysis of variables related to communication objectives and preparation of oral presentations in the form of informational reports, conference management, persuasive communications, interviews, and public hearings. Note: For non-majors only.

**COM 3120 INTRODUCTION TO COMMUNICATION THEORY IN ORGANIZATIONS (3)**

PR: majors. COM 2000 or CI; non-majors, COM 3122 or COM 3110 or CI. A survey of communication concepts which impact upon organizational effectiveness.

**COM 3122 INTERVIEW COMMUNICATION (3)**

A study of communication theory relative to interview situations with emphasis on the employment interview, appraisal interview, and persuasive interview. Students must sign up for a one-hour lab and the lecture.

**COM 3122L INTERVIEW COMMUNICATION LAB (0)**

Interview laboratory for practice and individual consultation. Students must take this course in conjunction with the lecture COM 3122. Open to majors and non-majors. Not repeatable.
to understand the cultural and rhetorical influences on how stories are told and to explore the context of everyday life, romantic relationship, families, institutions, and culture in which they occur.

**COM 4022 HEALTH COMMUNICATION** (3)
Health Communication explores communication issues relevant to health, disease, and illness. Topics covered include the role of language, patient-provider interpersonal communication, information processing, public health campaigns, and mass media in shaping individual and public understanding of health and disease.

**COM 4030 WOMEN AND COMMUNICATION -6A -XMW** (3)
Examines women's patterns of communication in a variety of contexts.

**COM 4124 COMMUNICATION AND ORGANIZATIONAL CHANGE** (3)
PR: COM 3120 or CI. An advanced course covering current issues in organizational transformation (e.g., organizational dialogue, learning organizations, reengineering, work teams), and the role communication processes play in such changes.

**COM 4710 WRITING LIVES -6A** (3)
PR: Junior/Senior standing or CI. Emphasizes writing stories about our lives and the lives of others as a way to understand, cope with and communicate social experiences.

**COM 4942 COMMUNICATION INTERN SEMINAR** (3)
PR: Communication major, minimum GPA 3.0, 75 hours completed, 15 hours of core requirements and 9 elective hours completed, and CI. Seminar provides students with an opportunity to put into practice concepts and skills acquired in their study of communication. Weekly seminar sessions augment intern experience. Application for seminar must be submitted one semester prior to seminar offering. Repeatable to maximum 6 credit hours, including first registration.

**COM 5020 TOPICS IN COMMUNICATION STUDIES** (3)
Topical issues in communication. Rpt. up to 12 hours as topics vary.

**ORI 2000 INTRODUCTION TO COMMUNICATION AS PERFORMANCE** (3)
Designed to develop proficiency in the understanding and oral communication of literary and other written materials.

**ORI 3950 COMMUNICATION AS PERFORMANCE LAB** (1-3)
PR: ORI 2000 or CI. The study, rehearsal, and performance of literature for video productions. May be repeated (maximum total six hours).

**ORI 4120 PERFORMANCE OF POETRY** (3)
PR: ORI 2000 or CI. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic theory and prosodic techniques.

**ORI 4310 GROUP PERFORMANCE OF LITERATURE** (3)
PR: ORI 2000 or CI. Designed to introduce the student to and give experience in various forms of group approaches to performance.

**ORI 4931 PERFORMANCE AND VIDEO** (3)
PR: ORI 2000. CR: ORI 3950. This course features adaptation, direction, and performance of literature for video productions.

**ORI 5930 TOPICS IN PERFORMANCE GENRES** (3)
Variable topics course. Rpt. up to 12 hours as topics change.

**SPC 2600 PUBLIC SPEAKING -SS** (3)
The nature and basic principles of oral communication; emphasis on improving speaking and listening skills common to all forms of oral communication through a variety of experience in public discourse.

**SPC 2541 PERSUASION -SS** (3)
Examines the role of persuasion in public and social life. Students will be introduced to key concepts and theories of persuasion from a variety of historical and contemporary perspectives. Students will use these concepts to create, analyze, and respond to persuasive messages.

**SPC 3212 COMMUNICATION THEORY** (3)
PR: Junior standing or CI. The study of source, message, and receiver variables in human communication; communication settings, descriptions and predictive models of communication; communication as a process.

**SPC 3230 RHETORICAL THEORY -HP** (3)
This course surveys the foundations and historical evolution of major concepts, issues, theorists, and approaches to the study of rhetoric from Plato to recent contemporary theorists.

**SPC 3301 INTERPERSONAL COMMUNICATION -SS** (3)
A study of interpersonal communication in informally structured settings with emphasis on the understanding, description, and analysis of human communication.

**SPC 3425 GROUP COMMUNICATION -6A** (3)
PR: Junior standing or CI. A survey of theory and research in group communication. Group discussions and communication exercises to increase awareness of the dynamics of human communication in small group settings.

**SPC 3513 ARGUMENTATION AND DEBATE** (3)
PR: Junior standing or CI. Study of principles of argumentation as applied in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.

**SPC 3601 ADVANCED PUBLIC SPEAKING** (3)
PR: SPC 2600 or CI. Study and application of communication strategies in speaking extemporaneously and from manuscript. The course includes study of selected public addresses as aids to increased understanding of speaking skills.

**SPC 3631 RHETORIC OF THE SIXTIES -HP** (3)
Survey of the rhetorics associated with the civil rights movement, the Great Society, the anti-Vietnam War movement, the counterculture, the black power movement, and the women's movement.

**SPC 3653 POPULAR FORMS OF PUBLIC COMMUNICATION** (3)
PR: Junior standing or CI. Analysis of public communication with emphasis on various representational forms.

**SPC 3680 RHETORICAL ANALYSIS** (3)
This course introduces students to fundamendals of message analysis. Student examines persuasive strategies and language in oral and written discourse (not repeatable).

**SPC 3710 COMMUNICATION AND CULTURAL DIVERSITY -SS** (3)
Examination of communication and cultural diversity within the United States. Cultural groups include racial and ethnic (e.g., African American, Latino American, Asian American, social class, age and generational, religious (e.g., Jewish) and gender. (Also offered under Africana Studies.)

**SPC 4201 ORAL TRADITION -XMW** (3)
Study of orality, its forms, functions, and transformations, in traditional and literate societies from folkloric and psychological traditions and from contemporary communication and cultural studies perspectives.

**SPC 4305 COMMUNICATING EMOTIONS -6A** (3)
PR: Junior/Senior standing or CI. Study of emotional experience, what emotions mean to us, how we talk about them, and the ways group and cultural membership influence them. Focus on attachment and loss in romantic, family and group relationships.

**SPC 4310 RELATIONSHIPS ON FILM** (3)
Examination of the ways in which cinema inscribes conceptions and meanings of romance, love, intimacy and sexuality. Focus on systems of representation fostered by cinema representations of intimacy, sexuality, emotionality, subjectivity, and betrayal.

**SPC 4431 FAMILY COMMUNICATION** (3)
Examines the processes and functions of communication in the development of families. Examination of scholarly and popular literature on family structure, family systems, family development, and family stories. Analysis of families in fiction and cinema.

**SPC 4632 RHECTORIC OF SOCIAL CHANGE** (3)
PR: SPC 3230 or SPC 3681. This course examines how social change is symbolized and motivated in the rhetorics...
of institutions, campaigns, social movements and individu-
al of language development in the deaf and communication/

SPA 3003 OVERVIEW OF LANGUAGE LEARNING IN DEAF
CHILDREN LAB (3)
PR: Admission to ISI Program. CR: SPA 3003. An explora-
tion and overview of communication modes and language
used in public school settings by deaf children. Includes
a study of how systems overlap and a development of
flexibility in using different modes and languages, and
the implications for interpreters. This course in restricted
to majors only. This course may be repeated for up to 2
credits.

SPA 3004 INTRODUCTION TO LANGUAGE DEVELOPMENT
AND DISORDERS (3)
PR: SPA 3002, SPA 3112 or CI. This course introduces
theoretical concepts and research findings concerning
the normal developmental processes of language learn-
ing as a basis for differentiating developmental delay or
disorders of language.

SPA 3011 INTRODUCTION TO SPEECH SCIENCE (3)
PR: SPA 3101, SPA 3112 & SPA 3030. Concentrated study
of the acoustic, physiological and perceptual aspects of
sound as related to normal and pathological speech
communication. Introduction to instrumentation and mea-
surement procedures.

SPA 3028 INTRODUCTION TO AUDITORY FUNCTIONS (3)
PR: Admission to ISI Program. An overview of hearing
science and speech science relating to the educational
environment. This course orients the student to the vari-
ablest extant in oral-aural communication among children
who have hearing impairment. It addresses techniques
and methods of hearing measurement and amplification
of sound as well as the interpreter's role in audiological
evaluation and speech-language therapy. This course is
restricted to majors only.

SPA 3030 INTRODUCTION TO HEARING SCIENCE (3)
PR: Junior standing and CI. Introduction to the field of
hearing including: physics of sound, auditory anatomy
and physiology, and psychophysics of hearing.

SPA 3040 ANATOMY AND PHYSIOLOGY OF THE
SPEECH AND HEARING MECHANISM (3)
PR: Junior standing and CI. The neurological and anatom-
ical basis of communication disorders. Comparisons of
normal and pathological organic structures and their
functional dynamics.

SPA 3042 APPLIED PHONETICS IN COMMUNICATION
DISORDERS (3)
PR: Junior standing and CI. Introduction to phonetic anal-
ysis of normal and disordered speech, including extensive
training in transcription using the International Phonetic
Alphabet.

SPA 3310 INTRODUCTION TO DISORDERS OF HEARING (3)
PR: SPA 3030 and SPA 3101. The etiology, pathology, and
management of disorders of the outer ear, middle ear,
inner ear, retrocochlear, and central auditory systems.

SPA 3380 BASIC AMERICAN SIGN LANGUAGE (3)
PR: CI. Introduction to American Sign Language (ASL) as
used in the deaf community. General discussion of ASL
structure and introduction to various manual commu-
nication systems and philosophies. Emphasis on building
a basic vocabulary. One hour laboratory course work is
included. Open to all majors.

SPA 4000 COMMUNICATION DISORDERS IN THE
PUBLIC SCHOOLS (3)
PR: CI. An examination of the speech, language and
hearing problems affecting school-age children and the
classroom teacher's role in the detection, prevention and
amelioration of communication disorders. (Non-major
course only).

SPA 4050 INTRODUCTION TO THE CLINICAL
PROCESS -XMW (3)
PR: SPA 3004 and SPA 3310. Observation and participa-
tion in speech-language pathology and audiology prac-
ticums in the University clinical laboratory.
SPA 4201 PHONOLOGICAL DEVELOPMENT AND DISORDERS (3)  
PR: SPA 3004 & SPA 3011. An examination of normal and deviant articulatory acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

SPA 4202 VOCAL DISORDERS (3)  
PR: SPA 3011 and SPA 3310. A comprehensive study of the medical and physical aspects of voice disorders. Primary emphasis is on therapeutic management.

SPA 4222 FLUENCY DISORDERS (3)  
PR: SPA 4201. A comprehensive study of disfluent speech behavior. Differential diagnosis, principles of therapeutic intervention, procedures for children and adults will be studied. Major theories and models of the development and origin of stuttering are also presented.

SPA 4331 FUNDAMENTALS OF FINGERSPELLING (2)  
PR: CI. A concentrated study of technique in fingerspelling emphasizing clarity and rhythm in expression as well as receptive understanding.

SPA 4332 STRUCTURE OF SIGN LANGUAGE (3)  
PR: SPA 4383 and CI. Semiotic and linguistic consideration of American Sign Language (ASL). Includes aspects of syntax, semantics, and discourse in ASL.

SPA 4335 SIGN LANGUAGE CODES (3)  
PR: CI. A review of the sign systems (SEE I, SEE II, L.O.V.E., and Signed English) used to code messages through the use of sign. The student will have the opportunity to practice one of the sign systems.

SPA 4382 NATURE AND NEEDS OF THE DEAF AND HARD OF HEARING (3)  
A study of the effects of auditory disorders upon the organization and expression of behavioral patterns as they relate to motivation, adjustment and personality.

SPA 4371 LEGAL, ETHICAL, AND TECHNICAL ISSUES OF WORKING WITH DEAF (3)  
PR: Admission to ISI Program. This course provides the discussion of ethical, technical, procedural, communicative, as well as legal issues and activities that apply to practice of interpreting in educational situations. It focuses on the professionalism and integration of interpreter roles in educational settings. This course is restricted to majors.

SPA 4382 INTERMEDIATE AMERICAN SIGN LANGUAGE (4)  
PR: SPA 3380 and CI. A continuation of the basic course which expands the student's signing skills and introduces American Sign Language (ASL) idioms. Provides a greater opportunity for skill development in ASL structure and idiomatic usage. One hour laboratory course work is included.

SPA 4383 ADVANCED AMERICAN SIGN LANGUAGE (4)  
PR: SPA 4382 and CI. A continuation of the study of American Sign Language (ASL) at the advanced skill level. Added emphasis on idioms, body language, and facial expression as an integral part of ASL. One hour laboratory course work is included. Open to all majors.

SPA 4383L AMERICAN SIGN LANGUAGE LABORATORY (1)  
PR: CI. Laboratory course designed to offer students added practice with the material presented in the ASL coursework through video and audio tapes.

SPA 4386 INTERPRETING IN PUBLIC SCHOOLS I (3)  
PR: Admission to ISI Program. CR: SPA 4386L. This course provides techniques for interpreting instructional/non-instructional activities and the development of communication modes and languages used by deaf children. Includes interpreting practices and understanding teaching methods. This course is restricted to majors only.

SPA 4386L INTERPRETING IN PUBLIC SCHOOLS I LAB (1)  
PR: Admission to ISI Program. CR: SPA 4386. This course provides practical application of interpreting the subject taught in the public school classes. Discussion includes class goals, instructional style, interpreter roles and ethics, language or mode choice, and analysis of the classroom for accessibility and appropriateness for interpreting. This course is restricted to majors only. May be repeated up to 2 credits.

SPA 4387 INTERPRETING IN PUBLIC SCHOOLS II (3)  
PR: SPA 4386, SPA 4386L. CR: SPA 4387L. This course provides advanced techniques for interpreting instructional/non-instructional activities and the development of communication modes and languages used by deaf children. Includes interpreting practices and understanding teaching methods. This course is restricted to majors only.

SPA 4387L INTERPRETING IN PUBLIC SCHOOLS II LAB (1)  
CR: SPA 4387. This course provides advanced assessment of interpreting skills and interpreting integration of targeted school classes and activities. Selection criteria for using a particular sign system, mode, or language will be addressed and discussed in individualized meetings. This course is restricted to majors only.

SPA 4503 PRACTICUM: INTERPRETING IN SCHOOLS (4)  
This course provides practice sessions in school settings under supervision of an experienced interpreter and course instructor. Each practicum student will shadow an interpreter, and participate in discussion about the overall performance. This course is restricted to majors.

SPA 4562 COUNSELING OF COMMUNICALLY HANDICAPPED AND FAMILY (3)  
PR: SPA 3011 and SPA 3310. Discussion of role of counseling in the treatment of communication disorders. Based on exploration of theoretical constructs, this course demonstrates application of therapeutic methodologies to reduction of communication handicaps.

SPA 45930 SELECTED TOPICS (3)  
PR: CI. Intensive study of topics in Speech-Language Pathology, Audiology, and/or Aural Rehabilitation conducted under the supervision of a faculty member.

SPA 5132 AUDIOLOGY INSTRUMENTATION (2)  
PR: CI. The study of behavioral and electrophysiologic clinical tests designed to assess the function of the peripheral and the central auditory system. Tests which incorporate monosyllable stimuli and those which utilize speech stimuli will be included.

SPA 5328 AURAL REHABILITATION: ADULTS (3)  
This course is designed to provide information about and strategies for aural rehabilitation intervention with hearing-impaired adults. Topics covered include: speechreading, auditory training, hearing and assistive listening devices.

SPA 5303 ADVANCED HEARING SCIENCE (3)  
The study of the physiological and clinical acoustics of the auditory periphery; the neuroanatomy and electrophysiology of the central auditory system; and psychoacoustic principles as they relate to clinical audiologic measurement paradigms.

SPA 5312 PERIPHERAL AND CENTRAL AUDITORY TESTS (4)  
PR: CI. The study of behavioral and electrophysiologic clinical tests designed to assess the function of the peripheral and the central auditory system. Tests which incorporate non-speech stimuli and those which utilize speech stimuli will be included.

SPA 5506 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLGY PRACTICUM (1-8)  
PR: CI. Participation in speech-language pathology and...
audiology practicum in the University Communication Disorders Center and selected field settings.

SPA 5552 DIAGNOSTIC PRINCIPLES AND PRACTICES (2)
PR: CI. The evaluation, interpretation and reporting of diagnostic tools and their results in the assessment of speech and language disorders.

**Community Experiential Learning**

IDS 4910 COMMUNITY RESEARCH (1-4)
PR: CEL approval. Open to all students approved for CEL. To provide students with community related research experience. Repeatable up to 8 credit hours.

IDS 4942 COMMUNITY INTERNSHIP (1-4)
PR: CEL approval. Open to all students approved for CEL. To provide students with community-related internship. S/U only. Repeatable up to 8 credit hours.

IDS 4955 INTERNATIONAL COMMUNITY RESEARCH (1-4)
PR: CEL approval. Open to all students approved for CEL. To provide students with an international community related research experience. Repeatable up to 8 credit hours.

IDS 4955 INTERNATIONAL COMMUNITY INTERNSHIP (1-4)
PR: CEL approval. Open to all students approved for CEL. To provide students with an international community-based internship. S/U only. Repeatable up to 8 credit hours.

**Criminology**

CCJ 3003 CRIME AND JUSTICE IN AMERICA - SS (4)
This course is a non-technical survey of the nature of crime in the United States and the ways our society seeks to deal with criminal offenders and victims of crime. May be taken by both majors and non-majors for credit, subject to departmental approval for declared majors.

CCJ 3024 SURVEY OF THE CRIMINAL JUSTICE SYSTEM - SS (3)
An introduction to the structure and operation of law enforcement, prosecution, the courts, and corrections. Also included brief coverage of major reported crimes.

CCJ 3204 SUBSTANTIVE CRIMINAL LAW (3)
PR: CCJ 3024. Examines the historical basis of the American criminal law system, the substantive elements of crimes, and court procedures.

CCJ 3610 THEORIES OF CRIMINAL BEHAVIOR (3)
PR: CCJ 3024. Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the explanation of crime.

CCJ 3621 PATTERNS OF CRIMINAL BEHAVIOR (3)
Reviews the nature and extent of the crime problem. The course will concentrate on major patterns of offender behavior including crimes against the person, property crimes, violent crimes, economic/white collar offenses, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

CCJ 3701 RESEARCH METHODS IN CRIMINAL JUSTICE I (3)
PR: CCJ 3024 or CCJ 3610 or CI. Introduces the student to some of the fundamentals of knowledge-generating processes in criminal justice.

CCJ 4110 CRITICAL ISSUES IN POLICING (3)
PR: CCJ 3024 or CCJ 4110 or CI. Focuses on some of the most critical issues in law enforcement today including: understanding and controlling police use of deadly force; police deviance; police prejudice and discrimination; violence-prone police officer; substance abuse by police officers; and administrative review of alleged police brutality.

CCJ 4110 AMERICAN LAW ENFORCEMENT SYSTEMS (3)
PR: CCJ 3024 or CCJ 3610 or CI. Provides a comprehensive examination of the American law enforcement system at the federal, state, and local levels and an assessment of career opportunities within the community.

CCJ 4260 ENVIRONMENTAL LAW AND CRIME (3)
PR: CCJ 3024 or CI. The course provides students with an introduction to issues in the area of environmental crime and environmental law. NOTE: Credit for this course may also be awarded through a similar course offered in the Environmental Science and Policy Program.

CCJ 4273 CRIMINAL RIGHTS AND PROCEDURES (3)
PR: CCJ 3024 or CI. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.

CCJ 4282 CORRECTIONAL LAW (3)
PR: CCJ 3024 or CI. The course provides students with an introduction to legal issues in the area of correctional, with an emphasis on civil and criminal liability for correctional staff and administrators and on convicts' rights.

CCJ 4306 AMERICAN CORRECTIONAL SYSTEMS (3)
PR: CCJ 3024 or CCJ 3610 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.

CCJ 4316 CORRECTIONAL ADMINISTRATION AND LAW (3)
PR: CCJ 3024 or CI. Provides students with an introduction to legal and administrative issues in both institutional and community corrections.

CCJ 4311 ALTERNATIVES TO INCARCERATION (3)
PR: CCJ 3024 or CCJ 3610 or CI. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment modalities.

CCJ 4341 INTERVENTION TECHNIQUES AND STRATEGIES (3)
PR: CCJ 3024 or CCJ 3610 or CI. Introduces the student to theories and methods underlying treatment modalities currently employed in corrections.

CCJ 4450 CRIMINAL JUSTICE ADMINISTRATION (3)
PR: CCJ 4110 or CCJ 4101 or CI. This course is designed to provide an in-depth examination of both the practical and theoretical aspects of the administration of criminal justice agencies. The major focus will be on law enforcement and correctional agencies.

CCJ 4501 JUVENILE JUSTICE SYSTEM (3)
PR: CCJ 3024 or CCJ 3610 or CI. Provides coverage of the juvenile and family courts, their clientele, and the complex of human service agencies and facilities that contribute to efforts at juvenile correctional intervention.

CCJ 4511 POLICE AND JUVENILE DELINQUENCY (3)
PR: CCJ 3024 or CI. Focuses on the unique aspects of law enforcement interaction with juveniles and their families. Issues which emerge when working with multi-cultural populations will be discussed. Police efforts at early detection, intervention, and diversion. Interaction with status offenders and children-in-need-of-assistance will be a topic of concern. Community based policing efforts will be analyzed. Gang intervention strategies and school programs such as school resource officers will be discussed.

CCJ 4513 JUVENILE RIGHTS AND PROCEDURES (3)
PR: CCJ 4501 or CI. The course provides students with an introduction to the Juvenile Justice system, particularly with the issues on juveniles' rights as they relate to the juveniles in trouble who are processed through the beginning of the system as well as with the rights and subsequent procedures that juveniles will encounter as they are processed further through the juvenile justice system or possibly transferred to the adult criminal justice system.

CCJ 4514 JUVENILE CORRECTIONAL ALTERNATIVES (3)
PR: CCJ 4501 or CI. Focuses on juvenile correctional responses from diversion to the use of secure facilities. How the system attempts to handle status offenders and children-in-need-of-supervision will be covered. Diversion, detention, probation, and community-based non-secure facilities will be discussed.

CCJ 4550 DEVELOPMENTAL ASPECTS OF JUVENILE DELINQUENCY (3)
PR: CCJ 3610 and CCJ 4501 or CI. Provides the student
with a developmental/life course perspective of the pro-
cess, events, and factors which occur during childhood
and adolescence and cause juvenile delinquency. This
course focuses on the conditions which are critical in
shaping the delinquent’s behavior during their formative
years.

CJC 4604 ABNORMAL BEHAVIOR AND CRIMINALITY  (3)
PR: CJC 3610 or CI. A systematic introduction to the
relationship between mental illness and criminality, with
focus on psychiatric labeling of deviant behavior and its
implications for the handling of the criminal offender.

CJC 4652 JUVENILE SUBSTANCE USE  (3)
PR: CJC 4501 or CI. Focuses on youth and drugs. It will
cover such topics as the rates and patterns of the use of
different drugs by youths with varying socio-demographic
characteristics, the context and effects of use of various
drugs, the drugs-crime connection, prevention, early inter-
tervention and treatment efforts, and drug use policy.

CJC 4700 STATISTICAL RESEARCH METHODS IN
CRIMINAL JUSTICE II  (3)
PR: CJC 3024 or CJC 3610 or CI. Beginning with the
scientific method, the tools commonly used to analyze
criminal justice data will be emphasized. Recommended
for students who intend to continue their education beyond
the B.A. Required of students attending the M.A. in CJC at
USF. This course may not be taken for credit if the student
has already successfully completed STA 3122 or GEB 3121.

*CJC 4900 DIRECTED READINGS  (1-3)
PR: CI. This course is specifically designed to enable
advanced students the opportunity to do in-depth indepen-
dent work in the area of criminal justice. Each student will
be under the close supervision of a faculty member of
the program. No more than five hours of CJC 4900 or
CJC 4910 or any combination of the two will be accepted toward
the minimum number of hours required for the major.

*CJC 4933 SELECTED TOPICS IN CRIMINOLOGY  (3)
PR: Junior standing. Lecture course. Topic varies and is
designed to address a wide variety of issues in criminol-
ogy and criminal justice. Open to non-majors with CI.

CJC 4934 SEMINAR IN CRIMINOLOGY -6A -XMW  (3)
PR: Senior standing and CI. These variable topic seminars
are used for an in-depth study and discussion of the
relationships among culture, gender, ethics, age, society,
and criminal behavior. Such examinations may include the
options the criminal justice does (or does not) have to deal
with these interactions, and the ethics and efficacy of the
system’s response. Open to non-majors with CI.
NOTE: CJC 4933 and CJC 4934. No more than 6 hours
of CJC 4933, CJC 4934, or any combination of the two
will be accepted toward the minimum number of hours required
for the major.

CJC 4940 INTERNSHIP FOR CRIMINAL JUSTICE MAJORS  (3)
PR: Senior standing. The internship will consist of place-
ment with one or more of the agencies comprising the
criminal justice system. This course will enable the
students to gain meaningful field experience related to
their future careers. The three-hour block of credit will require
a minimum of ten hours of work per week within the host
agencies in addition to any written work or reading assign-
ments. See requirements for the B.A. degree in Criminol-
ogy for the number of hours required. (S/U only).

CJT 4100 CRIMINAL INVESTIGATION  (3)
PR: CCJ 3024 or CCJ 3610 or CI. Covers the major
components of criminal investigation, with special atten-
tion to the scientific aspects of criminal investigation and
the management of violent and sexual crimes.

CJT 4801 PRIVATE SECURITY SYSTEMS  (3)
PR: Junior standing and CCJ 4110 or CI. Examines some
of the principal methods and techniques currently used to
reduce or prevent losses due to theft and casualty.

Economics

ECO 1000 BASIC ECONOMICS -SS  (3)
Survey of economic principles and issues. Scarcity, choice,
markets, prices, the monetary system, unemployment,
inflation, international trade, and international finance. (No
credit after completing ECO 2013/2023.)

ECO 2013 ECONOMIC PRINCIPLES (MACROECONOMICS) -SS  (3)
Introduction to the theory of income determination with
emphasis on monetary and fiscal policies. Objectives of full
employment, price stability, economic growth, and balance of payments stability.

ECO 2935 SELECTED TOPICS IN ECONOMICS  (1-3)
PR: CI. Topics selected by department. May be repeated
if topics vary. Not available for credit to upper-level students
admitted to the College of Business.

ECO 3100 MANAGERIAL ECONOMICS  (3)
PR: ECO 2023. Application of microeconomic theory to
problems in business decision making with a special
focus on price determination. (May not receive credit for
both ECO 3100 and ECO 3101.)

ECO 3101 INTERMEDIATE PRICE THEORY  (3)
PR: ECO 2013. The price system and allocation of scarce
resources between competing uses. (May not receive credit
for both ECO 3100 and ECO 3101.)

ECO 3203 INTERMEDIATE INCOME & MONETARY
ANALYSIS  (3)
PR: ECO 2013 and ECO 3100 or ECO 3101 with a grade of
"C" or better. Determination of income, employment,
prices, and interest rates. Aggregate demand and aggre-
gate supply.

ECO 3622 AMERICAN ECONOMIC HISTORY  (3)
PR: ECO 2023. Growth and evolution of American eco-
omic institutions from Colonial times to the present.

ECO 3703 INTERNATIONAL ECONOMICS -XMW  (3)
PR: ECO 3100 or ECO 3101 with a grade of "C" or better.
Role of international trade in the U.S. economy. Gains from
trade, balance of payments, exchange rate determination,
balance of payments stability, and international commer-
cial policy.

ECO 4105 ADVANCED PRICE THEORY  (3)
PR: ECO 3100 or ECO 3101 with a grade of "B" or better.
An advanced survey of special topics in microeconomics: borrowing and saving, decision making under uncertainty,
moments for capital and labor, game theory, production
and exchange efficiency, social welfare, and efficiency conse-
quencies of market and non-makret allocation.

ECO 4201 ADVANCED MACROECONOMIC THEORY
PR: Grade of "B" or better in ECO 3203. An advanced survey
of special topics in macroeconomics. Develops and con-
tacts the neoclassical growth endogenous growth, real
business cycle theory, and new Keynesian models. Re-
evant empirical studies are presented.

ECO 4303 HISTORY OF ECONOMIC THOUGHT
PR: ECO 3100 or ECO 3101 with a grade of "C" or better.
ECO 4223 RADICAL POLITICAL ECONOMY -XMW (3)
PR: ECO 1000 or ECO 2013 or CI. The Marxist school of thought in economics. Application of Marxist theory to problems of advanced capitalist and socialist societies.

ECP 4401 INTRODUCTION TO MATHEMATICAL ECONOMICS (3)
PR: ECO 2013, QMB 3200, MAC 2233 or MAC 2230, or CI. Mathematical models of optimizing behavior and economic equilibrium.

EEO 4421 INTRODUCTION TO ECONOMETRICS (3)
PR: QMB 3200 with grade of "B" or better or CI. Survey of basic econometric techniques. Regression analysis employed to estimate consumption, investment, demand, cost, and production functions. Examines problems of autocorrelation, heteroscedasticity, multicollinearity, and specification errors.

ECP 4504 PUBLIC FINANCE (3)

ECP 4713 INTERNATIONAL MONETARY RELATIONS (3)
PR: ECO 3203. Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system, and balance of payments.

ECP 4723 INTERNATIONAL COMMERCIAL POLICIES (3)
PR: ECO 3100 or ECO 3101 with a grade of "C" or better. Advanced analysis of international trade theory and commercial policy, international economic integration, and multinational enterprise.

ECO 4905 INDEPENDENT STUDY (1-3)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 credit hours. (S/U only.)

ECO 4914 INDEPENDENT RESEARCH (1-3)
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

ECO 4935 SELECTED TOPICS IN ECONOMICS (1-3)
PR: CI. Topics to be selected by the instructor or instructors on pertinent economic issues.

ECP 3201 ECONOMICS OF WOMEN AND WORK -XMW (3)
PR: ECO 1000 or ECO 2013 and 2023. Survey of research on women, sex roles, work in the labor market, and the household. Focuses on the economic status of women. Includes historical perspective, examination of the family as an economic unit, changing work roles, and gender differences in occupation and earnings.

ECP 3203 LABOR ECONOMICS (3)
PR: ECO 3100 with a grade of "C" or better. Determinants of wage and employment levels; occupational, industrial, and geographical wage differentials; union and public policy effects on labor markets; the economics of discrimination; inflation, and unemployment.

ECP 3302 ENVIRONMENTAL ECONOMICS -XMW (3)
PR: ECO 2023. An economic analysis of environmental issues. The economics of resource use and pollution control are examined using the concepts of externalities, cost-benefit analysis, public goods, and property rights.

ECP 3413 ECONOMICS OF REGULATION AND ANTITRUST (3)
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues such as price fixing, mergers, and monopolization, and issues of regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECP 3613 ECONOMICS OF THE URBAN ENVIRONMENT (3)

ECP 4232 COLLECTIVE BARGAINING AND PUBLIC POLICY (3)
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.

ECP 4451 LAW AND ECONOMICS (3)
PR: ECO 2023. Advanced analysis of the economic impact of tort, criminal, property, and contract law as well as the formation and adjudication of law.

ECP 4506 ECONOMICS OF CRIME (3)
PR: ECO 3100. Application of economic theory to the analyses of criminal behavior, crime prevention, law enforcement, sanctions, and corrections.

ECS 3013 ECONOMIC DEVELOPMENT (3)
PR: ECO 2013 or CI. Economic development in emerging nations.

ECS 4003 COMPARATIVE ECONOMIC SYSTEMS -XMW (3)
PR: ECO 1000, ECO 2013, or CI. The major economic systems: traditional, capitalism, democratic socialism, communism, and fascism.

English

AML 3031 AMERICAN LITERATURE FROM THE BEGINNINGS TO 1860 (3)
A study of representative works from the period of early settlement through American Romanticism, with emphasis on such writers as Cooper, Irving, Bryant, Hawthorne, Emerson, Melville, Thoreau, and Poe, among others.

AML 3032 AMERICAN LITERATURE FROM 1860 TO 1912 (3)
A study of representative works of selected American Realists and early Naturalists, among them Whitman, Dickinson, Twain, James, Howells, Crane, Dreiser, Wharton, Robinson, Dunbar, and Johnson.

AML 3051 AMERICAN LITERATURE FROM 1912-1945 (3)
A study of poetry, drama, and fiction by such writers as Pound, Stein, Fitzgerald, Hemingway, Faulkner, Porter, Toomer, Cummings, Williams, Anderson, Steinbeck, Wright, West, Stevens, Henry Miller, and others.

AML 3453 HISTORICAL PERSPECTIVES IN EARLY AMERICAN LITERATURE -HP (3)
Examines American Literature from the Colonial Period to the Civil War as a manifestation of geographical, political, and intellectual forces. Will not be counted toward the English major.

AML 3604 AFRICAN-AMERICAN LITERATURE -6A -XLW (3)
A study of African-American literature from the nineteenth century to the present, including the works of such writers as W.E.B. DuBois, Jean Toomer, Langston Hughes, Richard Wright, Ralph Ellison, LeRoi Jones, and Nikki Giovanni. (Also offered in Africana Studies.)

AML 4111 NINETEENTH-CENTURY AMERICAN NOVEL (3)
A study of the American novel from its beginnings through 1900, including such novelists as Cooper, Hawthorne, Melville, James, Twain, Crane, and Dreiser, among others.

AML 4212 TWENTIETH-CENTURY AMERICAN NOVEL (3)
A study of major trends and influences in American prose fiction from 1900 to the present. Includes works by such writers as Hemingway, London, Wharton, Fitzgerald, Faulkner, West, Mailer, Bellow, Ellison, Donleavy, Updike, Vonnegut, and others.

AML 4261 LITERATURE OF THE SOUTH (3)
A study of the major writers of the "Southern Renaissance," including writers such as Faulkner, Wolfe, Caldwell, Hellman, McCullers, O'Connor, Warren, Styron, Tate, Davidson, and Dickey.

AML 4330 SELECTED AMERICAN AUTHORS (3)
A study of two or three related major authors in American literature; the course may include such writers as Melville and Hawthorne, Hemingway and Faulkner, James and Twain, Pound and Eliot, Stevens and Lowell, etc. Specific topics will vary. May be taken twice for credit with different topics.
CRW 2105 NARRATION AND DESCRIPTION - 6A  (3)
A study of narrative and descriptive techniques in prose. By making the student sensitive to language usage, it is designed to bridge the gap between expository writing and imaginative writing.

CRW 3111 FORM AND TECHNIQUE OF FICTION - 6A  (3)
A study of short narrative forms such as the anecdote, tale, character sketch, incident, monologue, epistolary story, and short story as they have been used in the development of fiction and as they exist today.

CRW 3112 FICTION I - 6A  (3)
PR: CRW 3111. An introduction to fiction writing, beginning with a practical study of the various elements of fiction and proceeding through the many processes of revision to arrive at a completed work of art.

CRW 3121 FICTION II - 6A  (3)
PR: CRW 3111, CRW 3112. A fiction workshop which provides individual and peer guidance and for the student's writing and which encourages the development of critical skills.

CRW 3311 FORM AND TECHNIQUE OF POETRY  (3)
An examination of the techniques employed in fixed forms from the couplet through the sonnet to such various forms as the rondel, ballad, villanelle, sestina, etc. Principles in the narrative, dramatic, and lyric modes are also explored.

CRW 3312 POETRY I  (3)
PR: CRW 3311. An introduction to poetry writing utilizing writing exercises employing poetic language and devices; the exercises progress to the writing of both rhymed and unrhymed metrical and non-metrical forms.

CRW 3321 POETRY II  (3)
PR: CRW 3311, CRW 3312. A poetry workshop which provides individual and peer guidance for the student's writing and which encourages the development of critical skills.

CRW 4120 FICTION III  (3)
PR: CRW 3111, CRW 3112, CRW 3121. An advanced fiction workshop in which works may be carried over from CRW 3121 or longer forms such as the novel may be begun. May be taken twice for credit.

CRW 4320 POETRY III  (3)
PR: CRW 3311, CRW 3312, CRW 3321. An advanced poetry workshop in which students are expected to create works exhibiting a firm knowledge of the principles explored in the preceding courses. May be taken twice for credit, preferably under different instructors.

CRW 4930 SELECTED TOPICS IN CREATIVE WRITING (1-4)
PR: 12 hours of CRW courses or CI. The focus of the course will be governed by student demand and instructor interest. Topics to be covered may include writing the literary essay, writing in mixed genres, and utilizing popular conventions in serious works. May be repeated up to 8 credit hours.

ENC 1101, 1102 FRESHMAN ENGLISH - 6A - EC  (3,3)
Instruction and practice in the skills of writing and reading. Courses must be taken in numerical sequence.

ENC 1121 FRESHMAN ENGLISH: HONORS - 6A - EC  (3)
Honors Section of ENC 1101. Reserved for students in the University's Honors Program.

ENC 1122 FRESHMAN ENGLISH II: HONORS - 6A - EC  (3)
PR: ENC 1121. Honors Section of ENC 1102. Reserved for students in the University's Honors Program.

ENC 2110 TECHNICAL WRITING - 6A  (3)
Effective presentation of technical and semi-technical information.

ENC 3213 PROFESSIONAL WRITING - 6A  (3)
Introduction to the techniques and types of professional writing, including correspondence and reports most often found in business, technical, and scientific communities.

ENC 3310 EXPOSITORY WRITING - 6A  (3)
A course teaching the techniques for writing effective prose, excluding fiction, in which student essays are extensively criticized, edited, and discussed in individual sessions with the instructor.

ENC 4260 ADVANCED TECHNICAL WRITING (3)
PR: ENC 2210, or ENC 3310, or CI. Advanced Technical Writing is a course designed to develop writing skills of a high order: technical exposition; technical narration, description, and argumentation; graphics; proposals; progress reports; physical research reports; and feasibility reports.

ENC 4311 ADVANCED COMPOSITION  (3)
PR: ENC 3310 or CI. Instruction and practice in writing effective, lucid, and compelling prose, with special emphasis on style, logical argumentation, and critical thinking.

ENC 4931 SELECTED TOPICS IN PROFESSIONAL AND TECHNICAL WRITING (3)
PR: ENC 3213, ENC 2210, or ENC 3310 or CI. Focus of the course will be determined by student demand and instructor interest. Topics to be covered may include legal writing, the conventions of business writing, and writing for the social sciences. May be repeated with different topics.

ENG 4013 LITERARY CRITICISM  (3)
A study of the works of major literary critics from Aristotle to the present, with emphasis on their meaning, their implied world view, and their significance for our own time and literature. Required for Literature majors.

ENG 4060 HISTORY OF THE ENGLISH LANGUAGE (3)
The evolution of language from Anglo-Saxon through Middle English to Modern English. Development of the English lexicon. Changes in the pronunciation, syntactic, and semantic systems; discussion of the forms which influenced them.

ENG 4908 INDIVIDUAL RESEARCH  (1-4)
Directed study in special projects. Special permission of chairperson required.

ENG 4907 DIRECTED READING  (3)
Readings in special topics.

ENL 3015 BRITISH LITERATURE TO 1616  (3)
A survey of representative prose, poetry, and drama from its beginnings through the Renaissance, including such poems and figures as Beowulf, Chaucer, Malory, More, Hooker, Skelton, Wyatt, Sidney, Spenser, Shakespeare, Donne, and Jonson.

ENL 3230 BRITISH LITERATURE 1616-1780  (3)
A survey of 17th Century and Neoclassical Literature, including such figures as Donne, Herbert, Crashaw, Vaughan, Marvell, Milton, Pope, Swift, Johnson, Boswell, and Goldsmith.

ENL 3251 BRITISH LITERATURE 1780-1900  (3)
The poetry and poetics of the Romantic figures, with attention to the continuing importance of romantic thinking in contemporary affairs and letters; a survey of representative figures of the Victorian and Edwardian periods, including poetry, prose, and drama.

ENL 3273 BRITISH LITERATURE 1900-1945  (3)
Survey of poetry, drama, and fiction of such writers as Eliot, Yeats, Thomas, Conrad, Shaw, Joyce, Lawrence, Huxley, Woolf, Forster, Waugh, Owen, Auden, O'Casey, and others.

ENL 3323 SHAKESPEARE FROM AN HISTORICAL PERSPECTIVE - HP  (3)
An examination of the plays of Shakespeare from Romeo and Juliet to Othello as manifestations of the social, political, and intellectual forces of the time. Lectures will be available on audio tape. Will not be counted toward the English major.

ENL 3331 EARLY SHAKESPEARE  (3)
A study of from six to eight of Shakespeare's comedies, histories, and early tragedies, ending with Hamlet. Special attention to developing the student's ability to read and interpret the text.

ENL 3332 LATE SHAKESPEARE  (3)
A study of from six to eight of Shakespeare's problem plays, major tragedies, and late romances. Special attention to developing the student's ability to read and interpret the text.

ENL 4122 BRITISH NOVEL THROUGH HARDY  (3)
A study of early and later British novels such as Fielding,
A study in English of the great works of Western Literature from any combination of nationalities. Focus may be on one, two, or all three genres or on works of different topics.

A study of such modern and contemporary dramatists as Styron, Nabokov, Gardner, Roth, Vonnegut, among others. Writers include James, Dostoevsky, Camus, toward the English major.

A course in the basics of traditional English grammar designed as a complement to our composition and creative writing courses, as a review for those students who will take preprofessional exams, and as a basic course for students interested in improving their knowledge of English. Will not be counted toward the English major.

A course primarily using the sentence diagram to present a detailed analysis of the parts of speech, verb tenses, sentence functions, and other basic grammatical classifications of traditional English grammar.

An introductory survey of traditional, structural, and generative transformational grammars and their techniques for the analysis and description of linguistic structure in general, and contemporary American English, in particular.

The nature and significance of literature in its various forms: fiction, drama, poetry; emphasis on the techniques of reading literature for informed enjoyment. Will not be counted toward the English major.

A study of the short story and novel as literary forms; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

A study of the poem as literary form; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

A study of the major forms of drama as literature and theatre; approached from an historical perspective though not restricted to any historical period. Will not be counted toward the English major.

A study of the novella from the nineteenth century to the present. Writers include James, Dostoevsky, Camus, Styron, Nabokov, Gardner, Roth, Vonnegut, among others.

A study of such modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neill, Pinter, Stoppard, Brecht, Beckett, and Ionesco.

An introduction to the fiction, poetry, and drama written since 1945—American, British, Continental, or Multicultural. Focus may be on one, two, or all three genres or on works from any combination of nationalities.

A study in English of the great works of Western Literature from its beginnings through the Renaissance, including the Bible, Homer, Sophocles, Plato, Euripides, Virgil, Cicero, Dante, Petrarch, Machiavelli, and Rabelais, among others.

A study of the great works of Western Literature from the Neoclassic to the Modern Period, including such writers as Moliere, Racine, Voltaire, Dostoevsky, Chekhov, Ibsen, Kafka, Gide, Sartre, and Camus, among others.

PR: Junior/Senior standing. A survey of world literature including samples from the ancient and modern era, western and eastern traditions, male and female writers, and various ethnic cultures. Focus on values/ethics, race, ethnicity, and gender; thinking and writing skills. Will not be counted toward the English major.

A study of the Modern European novel in translation as it developed from the nineteenth century to the present, including such writers as Dostoevsky, Flaubert, Kafka, Hesse, Camus, and Solzhenitsyn.

PR: ENL 3331 or ENL 3332, or CI. Intensive study of selected plays of Shakespeare, with special attention to significant critical issues and to the Elizabethan and Jacobean cultural setting.

A study of the poetry and major prose of John Milton, with special emphasis on Paradise Lost.

The study of two or three related major figures in British Literature. The course may include such writers as Fielding and Austen, Keats and Yeats, Joyce and Woolf, etc. Specific topics will vary. May be taken twice for credit with different topics.

A study of the major literary works of the 20th century. The course may include such writers as Fielding and Austen, Keats and Yeats, Joyce and Woolf, etc. Specific topics will vary. May be taken twice for credit with different topics.

An introduction to the occult tradition as a major ingredient in other literary schools and movements, including such writers as Dostoevsky, Flaubert, Kafka, Hesse, Camus, and Solzhenitsyn.

A study of the Modern European novel as it is represented in film, fiction, and other cultural artifacts. Will not be counted toward the English major.

A study of the poetry and major prose of John Milton, with special emphasis on Paradise Lost.

A survey of world literature with an emphasis on such writers as Moliere, Racine, Voltaire, Dostoevsky, Chekhov, Ibsen, Kafka, Gide, Sartre, and Camus, among others.

An introduction to the occult tradition as a major ingredient in English, Continental, American, and Multicultural literature; analysis of the origins, classifications, and areas of the various magic arts from classical times through the present. Will not be counted toward the English major.

A chronological sampling of the major poems written in English from the Middle Ages to the present. Recommended as the first literature course in the poetry option.

The study of literary text as cultural artifacts and the problematic of that. Literary texts as historical, social, political, psychological, religious, etc. documents (or as any one of those). Topics and works vary. Will not be counted toward the English major.

A study of literary text as cultural artifacts and the problematic of that. Literary texts as historical, social, political, psychological, religious, etc. documents (or as any one of those). Topics and works vary. Will not be counted toward the English major.
Environmental Science and Policy

EVR 2001 INTRODUCTION TO ENVIRONMENTAL SCIENCE (3)
CR: EVR 2001L. An introductory lecture course linking the human and physical/chemical world. The course will develop an understanding of population and resource interactions.

EVR 2001L ENVIRONMENTAL SCIENCE LAB (1)
CR: EVR 2001. A laboratory course linking the human and physical/chemical world. The lab will develop an understanding of population and resource interactions and complement the lecture course. Field trips.

EVR 2851 INTRODUCTION TO ENVIRONMENTAL POLICY (3)
An introduction to environmental policy using class lectures, student projects, and independent readings. Emphasis will be placed on understanding basic policy mechanisms and major policy actions relating to environmental issues at the national and international level.

EVR 4027 WETLAND ENVIRONMENTS -XMW (3)
PR: PCB 3043 or CI. Study of the general properties and ecology of wetlands, examination of the distribution and functions of wetlands, and consideration of wetland conservation and policies.

EVR 4910 ENVIRONMENTAL SCIENCE AND POLICY PROJECT (3)
Environmental science project consisting of research in a field related to environmental science/environmental policy. Supervised by a faculty member. Open to senior majors only. (S/U only.)

EVR 4921 ENVIRONMENTAL SCIENCE AND POLICY SEMINAR (1)
A reading and discussion seminar focusing on the interdisciplinary nature of environmental science and environmental policy. Restricted to senior majors. Repeatable up to 3 cr. hrs.

EVR 4930 SELECTED TOPICS (1-3)
Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of Environmental Science, Policy, Ethics, Economics and Law included.

EVR 4940 ENVIRONMENTAL SCIENCE INTERNSHIP (3)
The purpose of this course is to promote the student’s understanding and application of environmental science within a practical organizational context. Contract and project report required. Open to senior majors only. (S/U only.)

Geography

GEO 2000 WORLD REGIONAL GEOGRAPHY -SS -HP -AF (4)
Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, environmental, and physical diversity.

GEO 3194 REGIONAL GEOGRAPHY (4)
Variable title course to systematically study and compare special regions identified by the instructor.

GEO 3202 GEOGRAPHY OF ANGLO-AMERICA (4)
GEO 3300 GEOGRAPHY OF MIDDLE AMERICA (4)
GEO 3360 GEOGRAPHY OF GULF OF MEXICO (4)
GEO 3405 GEOGRAPHY OF LATIN AMERICA -6A (4)
GEO 3500 GEOGRAPHY OF EUROPE -6A (4)
GEO 3554 GEOGRAPHY OF RUSSIA-EURASIA (4)
GEO 3600 GEOGRAPHY OF AFRICA (4)

GEO 1930 GEOGRAPHY OF CURRENT EVENTS -SS (3)
Application of basic geographic principles of the analysis of contemporary events in various parts of the world.

GEO 2041C MAP INTERPRETATION (4)
Analysis and synthesis of various types of maps and map projections.

GEO 2371 INTRODUCTION TO EARTH SYSTEMS SCIENCE-NS (3)
The application of basic earth system science analysis to environmental problems. Review of impact of human activities on the surface of the earth at local and global scales. For non-majors only.

GEO 3013 INTRODUCTION TO PHYSICAL GEOGRAPHY (4)
CR: GEO 3013L. Principles and concepts of the discipline; maps, earth-sun relationships, weather, climate, soil, water, and landforms.

GEO 3013L INTRODUCTION TO PHYSICAL GEOGRAPHY LAB (1)
CR: GEO 3013. Laboratory portion of Introduction to Physical Geography (GEO 3013).

GEO 3141C DIGITAL THEMATIC MAPPING (4)
An introduction to the concepts underlying modern, computer-based mapping and to the collection and storage of digital spatial data.

GEO 3164C QUANTITATIVE METHODS (4)
Statistical analysis in geographic research.

GEO 3402 HUMAN GEOGRAPHY (4)
Systematic treatment of humans’ activities and relationships on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among the topics considered.

GEO 3602 URBAN GEOGRAPHY (4)
PR: GEO 3402 or CI. Geographic analysis of urban areas; development, site, situation, internal structure, and hinterland are considered.

GEO 3931C SELECTED TOPICS (4)

GEO 4114C GEOGRAPHIC TECHNIQUES AND METHODOLOGY (4)
PR: GEO 3141C and GEO 3164C or CI. Selected topics in various geographic techniques and methodologies and their application.

GEO 4140C REMOTE SENSING OF THE ENVIRONMENT (4)
PR: GEO 3141C and GEO 3164C or CI. Analysis of satellite images and aerial photographs for studies of the environment.

GEO 4151C GEOGRAPHIC INFORMATION SYSTEMS (GIS) (4)
PR: GEO 3141C and GEO 3164C or CI. An introduction to the concepts underlying Geographic Information Systems, with an emphasis on the analytical capabilities of such systems in both the raster and vector domains.

GEO 4210 PROCESS GEOMORPHOLOGY (4)
PR: GEO 3013 or GLY 2010 and GEO 3164C or CI. Origin, evolution, and distribution of the landforms of North America.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEO 4280C</td>
<td>HYDROLOGY</td>
<td>4</td>
<td>PR: GEO 3013 and GEO 3164C or CI. Hydrologic cycle, precipitation, evapotranspiration, water budget, streamflow, and probability analysis.</td>
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<tr>
<td>GEO 4340</td>
<td>NATURAL HAZARDS</td>
<td>4</td>
<td>PR: GEO 3013 and GEO 3164C or CI. The impact of hurricanes, tornadoes, earthquakes, sink holes, fire, freezes, and droughts on people; attempts to overcome or avoid these hazards.</td>
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<tr>
<td>GEO 4372</td>
<td>GLOBAL CONSERVATION - 6A -XMW</td>
<td>4</td>
<td>PR: GEO 3013 and GEO 3164C or CI. The distribution, exploitation, and conservation of physical and human resources, ecology.</td>
</tr>
<tr>
<td>GEO 4421</td>
<td>CULTURAL GEOGRAPHY</td>
<td>4</td>
<td>PR: GEO 3402 and GEO 3164C or CI. The interrelationships of culture and environment, from earlier times to the present.</td>
</tr>
<tr>
<td>GEO 4444</td>
<td>BIOGEOGRAPHY</td>
<td>4</td>
<td>PR: GEO 3013 and GEO 3164C or CI. Analysis of the present and past distribution of species at an intermediate to large scale.</td>
</tr>
<tr>
<td>GEO 4470</td>
<td>POLITICAL GEOGRAPHY -XMW</td>
<td>4</td>
<td>PR: GEO 3402 and GEO 3164C or CI. The factors underlying geo-political decisions and influencing their outcome; the geographic consequences of these decisions.</td>
</tr>
<tr>
<td>GEO 4502</td>
<td>ECONOMIC GEOGRAPHY</td>
<td>4</td>
<td>PR: GEO 3402 and GEO 3164C or CI. The spatial organization of economic production, consumption, and exchange systems.</td>
</tr>
<tr>
<td>GEO 4504</td>
<td>ADVANCED URBAN GEOGRAPHY -XMW</td>
<td>4</td>
<td>PR: GEO 3402 and GEO 3164C or CI. Intensive examination of issues such as economic restructuring and inner-city decline, ghetto formation, gentrification, transportation, and policy-making.</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>TRANSPORTATION GEOGRAPHY</td>
<td>4</td>
<td>PR: GEO 3402 and GEO 3164C or CI. General concepts related to the movement of goods and people, with particular emphasis on spatial interaction principles and urban transportation problems and planning.</td>
</tr>
<tr>
<td>GEO 4900</td>
<td>DIRECTED READING</td>
<td>-4</td>
<td>PR: 20 hours in geography and CI prior to registration. May be repeated.</td>
</tr>
<tr>
<td>GEO 4910</td>
<td>INDIVIDUAL RESEARCH</td>
<td>-4</td>
<td>PR: 20 hours in geography and CI prior to registration. May be repeated.</td>
</tr>
<tr>
<td>GEO 5140</td>
<td>ADVANCED REMOTE SENSING</td>
<td>3</td>
<td>PR: GS or CI. GEO 4140C. GEO 3164C. Study of digital image processing techniques. Topics include filtering techniques, geometric and radiometric normalization, and classification algorithms with emphasis on developing remote sensing applications.</td>
</tr>
<tr>
<td>GEO 5160</td>
<td>ADVANCED GEOMORPHOLOGY</td>
<td>3</td>
<td>PR: GEO 4210 or CI. Advanced examination of geomorphic processes and landforms with an emphasis on Florida.</td>
</tr>
<tr>
<td>GEO 5263</td>
<td>ADVANCES IN SOILS</td>
<td>3</td>
<td>PR: GEO 4210 or CI. Examination of how earth systems influence soil formation and variation. Detailed analysis of soils climosequences, lithosequences, chronosequences, and anthroposequences.</td>
</tr>
<tr>
<td>GEO 5288</td>
<td>HYDROLOGICAL SYSTEMS</td>
<td>3</td>
<td>PR: GEO 4280C or CI. A systematic approach to hydrology using the drainage basin as the fundamental unit of analysis is used to explore form and process, while modeling streamflows.</td>
</tr>
<tr>
<td>GEO 5347</td>
<td>ADVANCES IN NATURAL HAZARDS</td>
<td>3</td>
<td>PR: GEO 4280C or CI. Analysis of natural hazards integrating principles of physical, social, economic, political, and technical systems that affect extreme geophysical events.</td>
</tr>
<tr>
<td>GEO 5475</td>
<td>ADVANCED POLITICAL GEOGRAPHY</td>
<td>3</td>
<td>PR: GEO 4470 or CI. Advanced investigation of geopolitical issues including: the human construction of territoriality, ethnic reactions, the making of nations and states, the geopolitics of localities, and environmental policymaking.</td>
</tr>
<tr>
<td>GEO 5545</td>
<td>ADVANCED ECONOMIC GEOGRAPHY</td>
<td>3</td>
<td>PR: GEO 4502 or CI. An intensive examination of selected issues in economic geography including: regional development and decline, spatial labor market trends, business location analysis, and comparative economic policy.</td>
</tr>
<tr>
<td>GEO 5605</td>
<td>CONTEMPORARY URBAN ISSUES</td>
<td>3</td>
<td>PR: GEO 3602 and GEO 4604 or CI. Advanced survey of urban issues such as: industrial restructuring and urban development, inner-city ethnic relations, the geopolitics of urban governance, and urban culture.</td>
</tr>
<tr>
<td>GEO 5704</td>
<td>ADVANCED TRANSPORTATION GEOGRAPHY</td>
<td>3</td>
<td>PR: GEO 4151C and GEO 4700 or CI. Review of transportation issues and analysis, focusing on modeling and planning for flows of goods and people. Provides a hands-on approach to the use of GIS for such analysis.</td>
</tr>
<tr>
<td>MET 4010C</td>
<td>METEOROLOGY</td>
<td>4</td>
<td>PR: GEO 3013 and GEO 3164C or CI. The earth’s atmosphere and its processes; weather forecasting and analysis; instrumentation.</td>
</tr>
<tr>
<td>URP 4052</td>
<td>URBAN AND REGIONAL PLANNING</td>
<td>4</td>
<td>PR: GEO 3602 and GEO 3164C or CI. The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.</td>
</tr>
</tbody>
</table>

**Geology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLY 2010</td>
<td>DYNAMIC EARTH: INTRODUCTION TO PHYSICAL GEOLOGY</td>
<td>3</td>
<td>NS Study of minerals, rocks, and processes of the earth’s crust. Introduction to origin and classification of earth’s materials and landforms.</td>
</tr>
<tr>
<td>GLY 2011</td>
<td>DYNAMIC EARTH LABORATORY</td>
<td>1</td>
<td>PR: GLY 2010 or concurrent registration. Laboratory study of earth materials, landforms, geologic structures, topographic and geologic maps. Lec-lab-field trips. Required for Geology majors; open to non-majors.</td>
</tr>
<tr>
<td>GLY 2030</td>
<td>ENVIRONMENTAL GEOLOGY</td>
<td>3</td>
<td>NS A first course in geology emphasizing environmental aspects of the earth’s crust, such as earthquakes, depletion of the earth’s resources, water supply problems, and geologic land use and planning. No credit for students with 2010. May substitute for 2010 for geology majors.</td>
</tr>
<tr>
<td>GLY 2040</td>
<td>ORIGINS: FROM THE BIG BANG TO THE ICE AGE</td>
<td>3</td>
<td>NS The history of the cosmos, origin of the universe, galaxies, the solar system, and earth, evolution of life, great extinctions including the dinosaurs, evolution of the primates, and the environmental future of the planet. (For both non-science and science majors.</td>
</tr>
<tr>
<td>GLY 2050</td>
<td>SCIENCE, EARTH, AND LIFE</td>
<td>3</td>
<td>NS The nature, history, and philosophy of science intended primarily for non-science majors. Consideration of science as a way of knowing through examples taken primarily from historical geology and biology (e.g., extinction of the dinosaurs, continental drift, evolution) but also from physics and astronomy. Consideration of social relevance of science. Does not count towards geology major.</td>
</tr>
<tr>
<td>GLY 2100</td>
<td>HISTORY OF THE EARTH AND LIFE</td>
<td>3</td>
<td>NS A course in geology. Study of the physical and biological history of the earth including evolution of the major groups of organisms, continental drift, and interpretation of ancient environments.</td>
</tr>
<tr>
<td>GLY 2101L</td>
<td>EARTH HISTORY LABORATORY</td>
<td>1</td>
<td>Laboratory study of the history of the earth and life. Required for Geology majors; open to non-majors.</td>
</tr>
<tr>
<td>GLY 2830</td>
<td>SELECTED TOPICS IN GEOLOGY</td>
<td>1-3</td>
<td>NS Topical courses in geology of general interest. Does not count toward the geology major.</td>
</tr>
<tr>
<td>GLY 3038</td>
<td>EARTH AND ENVIRONMENTAL SYSTEMS</td>
<td>3</td>
<td>This course examines the geology of the earth and the</td>
</tr>
</tbody>
</table>
The page contains a list of courses offered under the College of Arts and Sciences, specifically the Department of Geology. The courses range from introductory to advanced levels, covering topics such as paleontology, geology of the earth and its surface, hydrology, and marine geology, among others. Each course is described with prerequisites, credits, and descriptions of the course content. The courses are designed to provide a comprehensive understanding of geological principles and their applications, integrating knowledge of the earth's crust, physical processes, and the history of the planet. The department emphasizes the importance of practical experience, as indicated by the mention of field trips, laboratory work, and the integration of modern tools like Internet exercises. The courses are primarily intended for undergraduate students, with some options available for graduate study.
Gerontology

GEY 2000 INTRODUCTION TO GERONTOLOGY -SS (3)
This course is designed to be an introduction to the study of aging. The aging process is viewed from a multi-disciplinary perspective including the biological, psychological, and sociological aspects of aging.

GEY 3006 COMMUNITY SERVICES FOR OLDER ADULTS (3)
This class is designed to introduce students to services available to older adults and to careers in the field of aging services. Content includes theoretical and practical issues, as well as exposure to opportunities for service and employment. This course is open to majors and non-majors.

GEY 3601 PHYSICAL CHANGES AND AGING (3)
A survey of physical and psychological aspects of aging from middle age through older age. Course emphasis will be on practical aspects of understanding both normal age-related physical change and diseases common in older adults.

GEY 3625 SOCIOCULTURAL ASPECTS OF AGING -BA (3)
Consideration of human aging in a broad sociocultural context. Course emphasis will be on historical, philosophic, and demographic aspects of aging; theories of social gerontology, attitudes toward aging and the aged, cross-cultural perspectives on aging, the sociology of retirement, and aging and the community.

GEY 4322 GERONTOLOGICAL CASE MANAGEMENT (3)
This course examines the role and function of case management in meeting the needs of older adults. Content includes the elements of case management process, as well as ethical and legal issues. The class is open to majors and non-majors and is cross listed with the Social Work Department.

GEY 4327 LONG-TERM CARE ADMINISTRATION I (3)
PR: GEY 2000. A survey of Long Term Care (LTC) environments. Explored are such issues as definitions of LTC, physiological conditions of LTC uses, the institutional setting, the sociopsychological context, and methods of evaluation and intervention.

GEY 4328 LONG-TERM CARE ADMINISTRATION II (3)
PR: GEY 4327. Administration of long-term care institutions with emphasis on informed problem solving and decision-making via analysis of the psychosocial and sociocultural environment in the nursing home community, including case studies and actual visits to nursing homes. Course objective is to create efficient and humane living and working conditions in nursing homes. May be taken simultaneously with GEY 4327.

GEY 4340 HOUSING FOR THE ELDERLY (3)
This course is intended to familiarize students with major issues and aspects of housing for the elderly, including principles of administration of planned housing for the elderly. In addition to classroom activities, field trips will be made to at least three different types of planned housing for the elderly.

GEY 4350 GERONTOLOGICAL COUNSELING (3)
An introduction to the study of the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.

GEY 4351 RESEARCH METHODS IN GERONTOLOGY (3)
PR: STA 2122 or equivalent. Restricted to Gerontology majors, others by departmental permission. Methods and techniques of social research in gerontology. Design of gerontological studies, collection and analysis of data, interpretation of results, and preparation of reports.

GEY 5001 PSYCHOPATHOLOGY OF AGING (3)
A comprehensive overview of psychological aspects of aging. Topics will include age-related changes in sensation/perception, cognition, and personality, as well as application to late-life psychopathology. (Also offered under Psychology.)

GEY 4335 BUSINESS MANAGEMENT IN AN AGING SOCIETY (3)
This course provides interested students with an interdisciplinary perspective that address both business management and the impact of our aging society on business. Topics include: 1) Basic Gerontological Concepts, 2) Business Management Concepts, 3) Marketing to Older Consumers, 4) Business Careers in Aging, 5) Managing an Older Workforce.

GEY 4414 DEATH AND DYING (3)
PR: GEY 2000. A broad overview of the basic concepts and psychosocial issues relating to the meaning of loss and death, the process of death, and the experience of grieving. Health care practices are considered along with community resources.

GEY 4474 ETHICAL AND LEGAL ISSUES IN AGING (3)
This course is intended to familiarize and sensitize students with/to ethical and legal issues and dilemmas in the field of aging and to consider their implications for policies, priorities, and services pertaining to older persons.

GEY 4900 DIRECTED READINGS (1-3)
PR: CI. A reading program with topics in gerontology conducted under the supervision of a faculty member.

GEY 4935 SPECIAL TOPICS IN GERONTOLOGY (3)
Courses on topics such as pre-retirement, mental health, human services organization, nursing home administration, the older woman, and elder abuse will be offered.

GEY 4945 FIELD PLACEMENT (3-9)
PR: CI. Internship in an agency or community setting. An assignment to an agency or organization, engaged in planning or administering programs for older people if in the BA program (3-6 hours). A full-time assignment to a nursing home in the BS program (9 hours) subject to availability of internship sites approved by the Department of Gerontology.

GEY 5620 SOCIOLOGICAL ASPECTS OF AGING (3)
Examines, within a sociological framework, the interrelationships between the aged (or aging) and the structure and function of the social systems and its major institutionalized subsystems.

GEY 5630 ECONOMICS AND AGING (3)
Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security, and other support systems.

GEY 5642 PERSPECTIVES ON DEATH AND DYING (3)
Study of the various psychological, medical, legal, and religious problems caused by dying and death, and of how individuals and groups have responded in the past and present.

HUS 4920 THE LIFE CYCLE (4)
An examination of individuals and the physiological and psychosocial changes which occur during infancy, childhood, adolescence, young adulthood, middle age and old age.

History

AFH 3100 AFRICAN HISTORY TO 1850 -HP -AF (3)
An outline survey of pre-colonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also offered under Africana Studies.)

AFH 3200 AFRICAN HISTORY SINCE 1850 -HP -AF (3)
Survey of the Colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states, and postindependence problems of nation building and economic development. (Also offered under Africana Studies.)

AMH 2010, 2020 AMERICAN HISTORY I, II -HP (3,3)
A history of the United States with attention given to relevant developments in the Western Hemisphere, AMH
201: European origins to 1776; AMH 2020: 1776 to the present.

**AMH 3110 AMERICAN COLONIAL HISTORY TO 1750 (4)**
A study of the evolution of American Society from the Age of Reconnaissance to 1750. Attention is given to the transformation from colonies to provinces with emphasis on ethnocultural conflict, religion, labor systems, and political culture.

**AMH 3130 THE AMERICAN REVOLUTIONARY ERA (4)**
Emphasis on the causes of the American Revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalty, violence, and slavery in American society from 1783-1799.

**AMH 3140 THE AGE OF JEFFERSON (4)**
A comprehensive study of American society and political culture from 1789-1828. Focuses on demographic trends, party systems, expansionism, Indian policy, labor, and ethno-cultural conflicts.

**AMH 3150 THE AGE OF JACKSON (4)**
The United States from 1828-1850, with emphasis on social and political conflict. Consideration of evangelicalism, reform, labor movements, urbanization, and political activity in the antebellum era.

**AMH 3160 THE UNITED STATES, 1877-1914 (4)**
A study of the United States from the end of Reconstruction to World War I. Ranging over political, social, and international developments, the course covers industrialization, immigration, unions, reform, feminism, race relations, and political consequences through the end of the Reconstruction (1877).

**AMH 3201 THE UNITED STATES, 1877-1945 (4)**
A study of the United States from World War I to the end of World War II. Covering political, social, and international developments, the course examines the lives of Americans, including minorities and women, during prosperity, war, and the Great Depression.

**AMH 3270 THE UNITED STATES, SINCE 1945 (4)**
A study of the U.S. role in the Cold War, in VietNam, and in the post-Cold War era. It also examines domestic developments such as the consumer culture, protest movements, and the abuses of political power.

**AMH 3301 THE CIVIL WAR AND RECONSTRUCTION (4)**
An examination of political, social, and economic climate of the 1860's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).

**AMH 3321 THE UNITED STATES, 1914-1945 (4)**
A study of the United States from World War I to the end of World War II. Covering political, social, and international developments, the course examines the lives of Americans, including minorities and women, during prosperity, war, and the Great Depression.

**AMH 3421 EARLY FLORIDA (4)**
A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.

**AMH 3423 MODERN FLORIDA (4)**
An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.

**AMH 3500 AMERICAN LABOR HISTORY (4)**
A study of American workers from the colonial period to the present. Examines the changing nature of work, its effects on workers (including minorities and women), and their responses as expressed in strikes, unions, and political action.

**AMH 3510 U.S. DIPLOMATIC HISTORY TO 1898 -6A (4)**
The development of American Foreign Relations in the Agricultural era.

**AMH 3511 U.S. DIPLOMATIC HISTORY IN THE 20TH CENTURY (4)**
A history of American Foreign Relations in the Industrial era.

**AMH 3530 IMMIGRATION HISTORY (4)**
A study of the composition and character of the "American" people with emphasis on the period from 1840s to the 1920s. Examines old world backgrounds of immigrants and their responses to the new world's social, economic and political conditions.

**AMH 3540 UNITED STATES MILITARY HISTORY (4)**
A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in the unfolding formulation and development of American armed might.

**AMH 3545 WAR AND AMERICAN EMPIRE (4)**
The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and empire from the Revolution through Viet Nam.

**AMH 3561 AMERICAN WOMEN I (4)**
A study of women in the evolution of American society from European origins to 1877. Women's roles in the family, economy, politics, wars, and reform movements will be examined. (May also be taken for credit in Women's Studies.)

**AMH 3562 AMERICAN WOMEN II (4)**
A study of women in the evolution of American society from 1877 to the present. Women's roles in the family, economy, politics, immigration, wars, religion and reform movements will be examined. (May also be taken for credit in Women's Studies.)

**AMH 3571 AFRICAN AMERICAN HISTORY TO 1865 -HP (3)**
A survey of African American history, with an emphasis on North America to 1865. Topics include pre-colonial Africa, transatlantic slave trade, slavery, and the Civil War. (May also be taken for credit in Africana Studies.)

**AMH 3572 AFRICAN AMERICAN HISTORY SINCE 1865 -HP (3)**
A survey of African American history, with an emphasis on North America, from 1865 to the present. Topics include reconstruction, World War I, World War II, and the Civil Right Movement. (May also be taken for credit in Africana Studies.)

**AMH 3580 HISTORY OF CANADA (4)**
A study of Canadian experience from its French origins through the British conquest to its present multi-racial character. Attention will also be given to the forces of nationalism, separatism, and regionalism.

**ASH 3404 MODERN CHINA -SS - HP - AF (3)**
Political, economic, and social history of China from the time of the first major Western contacts (17th-18th Centuries) through the consolidation of socialism in the late 1950's, and the Great Leap Forward.

**ASH 3501 HISTORY OF INDIA (4)**
A study of the major themes of Indian history from the Indus culture to the present. Emphasis will be given to the Classical, Mogul and British periods as well as the modern independent sub-continent.

**EUEH 2011 ANCIENT HISTORY I -HP (3,3)**
An introductory survey of ancient history. EUEH 2011 treats the ancient Near East and Greece from the origins of civilization to the full development of the Hellenistic kingdoms prior to conflict with Rome.

**EUEH 2012 ANCIENT HISTORY II -HP (3,3)**
An introductory survey of ancient history. EUEH 2012 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to the division of the Roman Empire, A.D. 395.

**EUEH 2021, 2022 MEDIEVAL HISTORY I, II -HP (3,3)**
A thematic survey of the Middle Ages. EUEH 2021 deals with the nascent, Christian civilization of Europe, circa 300-1050 A.D.; EUEH 2022 treats the mature medieval civilization of Europe, circa 1050-1500.

**EUEH 2030, 2031 MODERN EUROPEAN HISTORY I, II -HP (3,3)**
A thematic survey of Europe in the modern age. EEUH 2030 treats the period from the Renaissance to the French Revolution; EEUH 2031, from the French Revolution to the present.
demographic welfare state.

Economic developments leading to the creation of the modern
democracy.

PR: CI. Advanced topics in the various fields of history.

A study of Soviet society under communism from the
Revolution to the collapse of the USSR. Topics include the
origins and development of revolutionary socialism, the
Bolshevik seizure of power, Stalinism and the Great Terror,
popular dissent and resistance, the treatment and experi-
ence of ethnic minorities, Gorbachev and the dissolution
of the Soviet Union.

This course emphasizes a selected historical problem or
issue. A variety of instructional approaches will be taken,
and topics may vary.

An examination of the ways in which societies have orga-
nized themselves for war and how societies are changed
by war. Also explores gendered expectations in war, and
the changing conduct of war.

A thematic study of the interrelationship of science and
society in modern history emphasizing the institutional
forms, value structures, and social relations in science as
they have developed from the scientific revolution to the
present.

This course provides an introduction to the discipline of
history by examining a specific historical issue and its
relation to at least one of the following dimensions: gen-
der, race and ethnicity, international perspectives,
enviornmental perspectives.

This course is designed to emphasize a selected histori-
ical problem or issue that is meaningful and challenging
to the student. A variety of instructional approaches will
be taken to the material. Topics will be changed each semes-
ter.

Recommended to be taken during the senior year. Re-
cquired of all history majors. An analysis of the founda-
tions of historical knowledge and historical methodology.
Includes a survey of historical thinking, writing and film-
making.

This course provides an introduction to selected topics in
the various fields of history. The subject and scope of inquiry will be
determined by the instructor for each section. May be
repeated for credit.

A course for graduate and advanced undergraduates to
come to terms with research skills and writing and a
comprehensive understanding of conventional research
styles. The emphasis is on written work.

An introduction to selected issues, events, and people in
the modern demographic welfare state.
Humanities and American Studies

AMS 2030 INTRODUCTION TO AMERICAN STUDIES - SS - HP (3)
An overview of American Studies, the interdisciplinary study of American culture. Analysis of the arts and literature, including music; social issues; popular culture; material culture; cultural diversity; and social change. These approaches will be applied to a specific cultural era.

AMS 2201 COLONIAL AMERICAN CULTURE - HP (4)
An examination of cultural patterns in America as they developed between 1600 and 1780 with an emphasis on the texture of everyday life.

AMS 2212 NINETEENTH-CENTURY AMERICAN CULTURE - HP (3)
An examination of cultural patterns in America from 1815 to 1900 with emphasis on the texture of everyday life.

AMS 2270 TWENTIETH-CENTURY AMERICAN CULTURE - HP (3)
An examination of cultural patterns in America from 1900 to the present with an emphasis on the texture of everyday life.

AMS 2363 ISSUES IN AMERICAN CIVILIZATION (1-4)
An examination of selected topics such as natural environment and the quality of life, sports and American society, popular music, American communities, vigilante tradition, jazz music, role of the family, American success myth, youth in America. Topic varies.

AMS 3001 AMERICAN CULTURE 1880-1915 - 6A - HP (4)
Integration of major aspects of American life between the 1880s and World War I.

AMS 3210 REGIONS OF AMERICA - HP (4)
The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with the American regions. Topic varies. Repeatable up to eight credit hours.

AMS 3230 AMERICA DURING THE TWENTIES AND THIRTIES (4)
Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and inter- nationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.

AMS 3260 AMERICAN CULTURE, 1830-1860 - 6A - HP (4)
Examines the patterns of American culture in the years leading up to the Civil War. Topics include religion and social reform, race relations, and the impact of industrialization.

AMS 3302 ARCHITECTURE AND THE AMERICAN ENVIRONMENT (3)
By means of slides, lectures and discussion the course examines 350 years of American architectural history. Architectural styles, aesthetics and the relation between a building and its social environment are stressed.

AMS 3370 SOUTHERN WOMEN: MYTH AND REALITY - 6A - HP (3)
This course will identify the myths surrounding Southern women, discern their sources and purposes, and contrast them with history. (Also offered under Women's Studies.)

AMS 3301 MATERIAL CULTURE AND AMERICAN SOCIETY - SS - HP (3)
By means of slides, lectures and student projects, examines connections between artifacts and American cultural attitudes from 17th century to present. Topics include: architecture, furniture, gravestones, toys, and the material subcultures of women, African-Americans and communal societies.

AMS 3700 RACISM IN AMERICAN SOCIETY - SS - HP (3)
An introduction into the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of ethnocentrism and class conflict will also be studied. (Also offered under Africana Studies.)

AMS 3330 SELECTED TOPICS IN AMERICAN STUDIES (1-4)
Offerings include Cultural Darwinism in America, America Through Foreign Eyes, and The Female Hero in American Culture.

AMS 4152 FILM IN AMERICAN CULTURE (3)
Surveys the contributions to American culture of major films, studios, directors, stars, theaters, and controversies from the perspectives of genres and styles, critical methodologies and theories. Variable topics such as: series on a region, director, performer, subject, or period of study.

AMS 4804 MAJOR IDEAS IN AMERICA - XM (3)
Investigates the role of one or more influential ideas in American culture, for example: individualism, identity, community, dissent, reform, utopianism, democracy. Emphasizes the critical analysis of a variety of primary texts. Topic varies. May be repeated up to 6 credit hours.

AMS 4910 INDIVIDUAL RESEARCH (1-4)
The content of the course will be governed by student demand and instructor interest. Instructor approval required prior to registration.

AMS 4930 SELECTED TOPICS IN AMERICAN STUDIES (1-4)
Offerings include social implications of American Painting, Technology in Twentieth Century America, American Environmental Problems, Popular Culture in America, American Military Experience, and Labor in America.

AMS 4935 SENIOR SEMINAR IN AMERICAN STUDIES (4)
PR: Senior in American Studies or CI.

AMS 4936 SENIOR SEMINAR IN AMERICAN STUDIES (4)
PR: Senior in American Studies or CI.

AMS 4940 INTERNSHIP IN AMERICAN STUDIES (1-4)
A structured, out-of-class learning experience providing firsthand, practical training in American Studies-related professional careers in the community. May be repeated up to 8 credit hours.
<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>HUM 2211</td>
<td>STUDIES IN CULTURE: THE ANCIENT THROUGH MEDIEVAL PERIODS -HP</td>
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<tr>
<td>HUM 3251</td>
<td>STUDIES IN CULTURE: THE TWENTIETH CENTURY -HP</td>
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<tr>
<td>HUM 3271</td>
<td>EASTERN AND WESTERN CULTURE FROM ANTIQUITY TO 1400 -AF</td>
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<td>HUM 3273</td>
<td>EASTERN AND WESTERN CULTURE SINCE 1400 -AF</td>
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<td>HUM 3293</td>
<td>SELECTED TOPICS IN HUMANITIES</td>
<td>1-4</td>
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<td>HUM 4402</td>
<td>HUMANITIES IN INDIA</td>
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<td>HUM 4404</td>
<td>HUMANITIES IN CHINA</td>
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<td>HUM 4405</td>
<td>HUMANITIES IN JAPAN</td>
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<td>HUM 4433</td>
<td>ANCIENT GREEK CULTURE</td>
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<td>HUM 4434</td>
<td>THE CULTURE OF ANCIENT ROME</td>
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<td>HUM 4435</td>
<td>EARLY MEDIEVAL CULTURE</td>
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<td>HUM 4436</td>
<td>LATE MEDIEVAL CULTURE</td>
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<td>HUM 4442</td>
<td>ARTS AND LETTERS OF THE ROMANTIC PERIOD</td>
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<td>HUM 4444</td>
<td>NINETEENTH CENTURY EUROPEAN ARTS AND LETTERS</td>
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<td>HUM 4445</td>
<td>TWENTIETH CENTURY ARTS AND LETTERS I</td>
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<td>HUM 4446</td>
<td>TWENTIETH CENTURY ARTS AND LETTERS II</td>
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<td>HUM 4452</td>
<td>NINETEENTH CENTURY AMERICAN CULTURE</td>
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<td>HUM 4462</td>
<td>ANCIENT LATIN AMERICAN CULTURE</td>
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<td>HUM 4464</td>
<td>LATE LATIN AMERICAN CULTURE SINCE 1492</td>
<td>4</td>
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</tbody>
</table>
HUM 4905 DIRECTED STUDY (1-4)
PR: CI. Specialized individual study determined by the student's needs and interests.

HUM 4930 SELECTED TOPICS IN HUMANITIES (1-4)
PR: Sophomore standing or CI. This course will deal with a recurrent theme in the arts as, for example, love or death, or will focus on artistic centers such as Renaissance Florence or Paris in the 1920s. Topics will vary; course may be repeated for credit with change of content.

HUM 4931 SEMINAR IN HUMANITIES -6A (4)
PR: Humanities major or CI; Senior standing. Discussion of interdisciplinary humanities. Includes essay.

HUM 4933 MAJOR ISSUES IN THE HUMANITIES -XMW (3)
The study of an important topical issue in the Humanities. Materials representing diverse views relating to that issue will be read, and works of art in different media that have relevance to the debate will be studied. Available to majors and non-majors. May be repeated up to 6 credit hours with change in content.

HUM 4940 INTERNSHIP IN HUMANITIES (1-4)
a structured, out-of-class learning experience providing firsthand, practical training in Humanities-related professional careers in the community. May be repeated up to 8 credit hours.

HUM 4941 STUDY ON LOCATION (1-4)
The art of a culture will be examined during travel in groups, led by an instructor, to important cities or sites. Monuments, museums, architecture, plays, and/or concerts will be studied. Reading assignments and lectures.

PGY 3000 PHOTOGRAPHY IN AMERICAN CULTURE (3)
A survey of photography as an art and a craft in America since the mid-nineteenth century. Attention devoted to technological innovations, leading personalities, major movements, and memorable icons. Open to majors and non-majors.

Interdisciplinary Social Sciences

ISS 3010 INTRODUCTION TO THE SOCIAL SCIENCES (3)
Views social institutions and issues from perspectives of changing paradigms. Integrates the range of social science fields into a global interdisciplinary vantage.

ISS 3930 SELECTED TOPICS IN THE SOCIAL SCIENCES (1-4)
Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

ISS 4162 THE CITY AND URBANIZATION (3)
An interdisciplinary perspective will be used to analyze the emergence of the city, urban revolution and metropolis. Urban planning and governance will be examined in looking at how urban areas deal with social and physical problem.

ISS 4164 URBAN SOCIAL ISSUES: AN INTERDISCIPLINARY APPROACH (3)
This course is designed to examine current metropolitan issues from an interdisciplinary perspective. Topic selection will be within the broad framework of ecology, technological changes, economic conditions, political ideologies, and their impact on changing social patterns.

ISS 4900 DIRECTED READINGS (1-3)
PR: CI. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest. May be repeated.

ISS 4910 DIRECTED RESEARCH (1-3)
PR: CI. A supervised program of interdisciplinary research in areas of specific interest. May be repeated.

ISS 4935 SEMINAR IN THE SOCIAL SCIENCES -XMW (3)
PR: Senior standing and ISS 3010 or CI. The seminar which caps the interdisciplinary major. Weds personal curiosity with the application of models to research on important social issues.

ISS 5934 SELECTED TOPICS (1-3)
PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

STA 2122 SOCIAL SCIENCE STATISTICS -6A -QM (3)
The course presents statistics with the view that numbers are a limited, but important aspect of understanding the world. Draws concepts and hypothesis from a wide range of disciplines. Covers topics through bivariate analysis. parametric and non-parametric.

International Studies

Area Studies

Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems. The same course may be repeated, but only when the countries of concentration differ. The regularly offered area study courses are:

AFA 4150 AFRICA AND THE UNITED STATES -SS -AF (3)
ASN 3012 JAPAN TODAY (3)
ASN 3014 CHINA TODAY -AF (3)
ASN 3030 THE MIDDLE EAST -AF (3)
EUS 3000 EUROPE -SS (3)
EUS 3022 RUSSIA -SS -AF (3)
LAS 10 LATIN AMERICA -SS (3)
ASN 3105 THE PACIFIC CENTURY -SS -HF -AF (3)

Explores the themes and trends which have affected the entire Asia-Pacific region. Textual material and videos trace the emergence of the modern nations of Northeast and Southeast Asia, focusing on the political and economic development of the past 150 years. (Open University - televised course.)

INR 1015 WORLD PERSPECTIVE -SS -AF (3)
An interdisciplinary study of the international system, major world regions and problems.

INR 2930 SELECTED TOPICS (1-4)
International studies with course content dependent on student demand and instructor's interest. For non-majors only. May be repeated as topics vary.

INR 3003 INTRODUCTION TO INTERNATIONAL STUDIES (3)
An interdisciplinary study which stresses methods and analysis. A major portion will focus on the roles which different disciplines play in interpreting the international scene.

INR 3018 WORLD IDEOLOGIES -XMW (3)
A course which details and examines the ideologies of today's independent countries; analyzing them in their political, social, cultural and historical context.

INR 3033 INTERNATIONAL POLITICAL CULTURES -XMW (3)
This course will explore the ways in which culture influences the nature of government, economic success or failure, and constructive and destructive modes of self and social identification.

INR 3038 INTERNATIONAL WEALTH AND POWER -SS (3)
Introduction to the relationship between politics and economics, emphasizing the analysis of government policies in response to both domestic and international economic problems.

INR 3081 INTERNATIONAL ISSUES AND ACTORS (3)
An examination of the most important issues in international affairs. The course analyzes the behavior of major foreign policy actors in the international arena, including nation states, non-governmental and international organizations. Departmental approval required.

INR 3084 INTERNATIONAL TERRORISM -SS -AF (3)
A study of contemporary international terrorism and its causes, ranging from national liberation movements to networks of philosophical anarchists.

INR 3141 GLOBAL SECURITY POLICY (3)
A study of security issues, regional and global (such as proliferation, arms control, arms transfer) as they relate to contemporary international politics.

INR 3202 INTERNATIONAL HUMAN RIGHTS -XMW (3)
This course explores the evolution of international rights from the Greeks to the present. It examines human rights issues in major regions of the world.
INR 3336 INTELLIGENCE AND U.S. FOREIGN POLICY (3) An examination of the role of intelligence and the intelligence community in U.S. foreign policy, with emphasis on the period since World War II.

INR 3770 COMPARATIVE MILITARY SYSTEMS (3) A comparative study of ways in which the military institutions of various nations are organized and interact with politics, societies and economies.

INR 3955 OVERSEAS STUDY (1-6) A program of individual or group research in a foreign country.

INR 4300 CONFLICT IN THE WORLD -XMW (3) An interdisciplinary course examining theories of conflict, conflict resolution processes and strategies, theories and peacemaking strategies, and the concept of Early Warning Systems related to the outbreak of conflict.

INR 4250 THE POLITICS OF THE ECONOMY OF THE SOUTHERN NATIONS -AF (3) A multidisciplinary study of the efforts of the nations in the South (Africa, Asia, Latin America and the Middle East) to improve their status through political and economic development.

INR 4900 DIRECTED READINGS (1-3) A supervised program of intensive reading of interdisciplinary materials in areas of specific interest. May be repeated.

INR 4910 DIRECTED RESEARCH (1-3) PR: CI. A supervised program of interdisciplinary research in areas of specific interest. May be repeated.

INR 4930 SELECTED TOPICS (1-4) Interscholastic studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

INR 4936 SENIOR SEMINAR -XMW (3) PR: International Studies major and senior standing. A variable topics seminar integrating concepts and analyses relating to the academic background of INT majors. Should be taken in the student's final semester.

INR 4943 INTERNSHIP IN INTERNATIONAL STUDIES (3-6) PR: Senior status. The purpose of the course is to promote the student's understanding of global international issues within a local and practical context. (S/U only.) (For majors only.)

LAS 3004 THE AMERICAS - LATIN AND CARIBBEAN (3) This is a course that is designed to introduce the complexities of Latin America and the Caribbean to students in the U.S. (Open University - televised course.)

LAS 3116 LATIN AMERICA THROUGH FILM -AF (3) This course will use film, video, selected readings, and lectures to teach the interested student about Latin American culture.

WST 3275 WOMEN IN THE DEVELOPING WORLD (3) A comparative study of woman's status in various developing nations with that in various industrialized states. (Also offered under Women's Studies Program.)

Languages and Linguistics

Classics

CLA 3103 GREEK CIVILIZATION -HP (3) Study of Greek Civilization from its beginning to the Roman period, with emphasis on social customs, political institutions, and daily life.

CLA 3103 ROMAN CIVILIZATION -HP (3) Study of Ancient Roman Civilization with emphasis on social customs, political institutions, and daily life.

Courses in Translation

CLT 3040 SCIENTIFIC AND MEDICAL TERMINOLOGY (3) A course in the Greek and Latin word elements used in science and technology.

CLT 3101 GREEK LITERATURE IN TRANSLATION -6A -XMW (3) Reading and discussion of major works in Greek literature. Special emphasis on the Iliad, the dramatists Aeschylus, Sophocles, Euripides and Aristophanes. Some attention is given to the social and political background of the works. All readings are in English.

CLT 3102 ROMAN LITERATURE IN TRANSLATION -6A -XMW (3) Reading and discussion of major works in Roman literature. Special emphasis is placed on the Aeneid, comedy and satire. Some attention is given to the political background of the works. All readings are in English.

CLT 3370 CLASSICAL MYTHOLOGY -HP (3) Study of Greek and Roman myths embodied in classical literature and of their impact on Western civilization. All readings are in English.

General Foreign Languages

FOL 3100 GENERAL FOREIGN LANGUAGE I (1-4) A general purpose course that may be used for transfer credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or in professional translation.

FOL 4101 GENERAL FOREIGN LANGUAGE II (1-3) A general purpose course that may be used for transfer credit, credit by examination, and similar matters; may also be used for formal courses in less commonly taught languages or for workshops in professional interpreting.

FOL 4905 DIRECTED STUDY (1-3) Departmental approval required.

FOL 5906 DIRECTED STUDY (1-3) PR: FOL 4101 or equivalent.

Arabic

ARA 1120 MODERN ARABIC I (4) CR: ARA 1120L. An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.

ARA 1120L MODERN ARABIC I LABORATORY (1) CR: ARA 1120. Laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with lecture session required, and, if dropped, then dropped simultaneously. (S/U only.)

ARA 1121 MODERN ARABIC II (4) PR: ARA 1120 or its equivalent. CR: ARA 1120L. A continuation of ARA 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

ARA 1121L MODERN ARABIC II LABORATORY (1) CR: ARA 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

ARA 2200 MODERN ARABIC III (4) PR: ARA 1121 or the equivalent. For language students who intend to attain basic proficiency.

ARA 2201 MODERN ARABIC IV (4) PR: ARA 2200 or the equivalent. Continuation of ARA 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

ARA 4905 DIRECTED STUDY (1-5) PR: ARA 2200 or the equivalent. Continuation of ARA 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)

ARA 4930 SELECTED TOPICS (1-5) Course permits study options in Arabic not available in regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

Chinese

CHI 1120 MODERN CHINESE I (4) CR: CHI 1120L. Mandarin. An intensive study of basic skills: pronunciation, listening comprehension, speaking, reading and some composition.

CHI 1120L MODERN CHINESE I LABORATORY (1) CR: CHI 1120. A laboratory designed to offer additional...
practice using various instructional technologies and methods. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

CHI 1121 MODERN CHINESE II
CR: CHI 1121L. Mandarin. PR: CHI 1120 or equivalent. A continuation of CHI 1120. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.

CHI 1121L MODERN CHINESE II LABORATORY
CR: CHI 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

CHI 2200 MODERN CHINESE III
PR: CHI 1121 or equivalent. For language students who intend to attain basic proficiency.

CHI 2201 MODERN CHINESE IV
PR: CHI 2200 or the equivalent. Continuation of CHI 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

CHI 4905 DIRECTED STUDY
(1-5)
Permits study options in Modern Chinese not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)

CHI 4930 SELECTED TOPICS
(1-5)
Course permits classes in Modern Chinese not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

French
FRE 1040 FRENCH FOR READING
(3)
Designed to provide a reading ability in French that will support research in other disciplines. Primarily for graduate students.

FRE 1120 BEGINNING FRENCH I
CR: FRE 1120L. The first course in the study of elementary French. Emphasis on the development of basic skills in comprehension, speaking and reading.

FRE 1120L BEGINNING FRENCH I LABORATORY
CR: FRE 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

FRE 1121 BEGINNING FRENCH II
PR: FRE 1120 or equivalent. CR: FRE 1121L. A continuation of FRE 1120. A fundamental composition course for students who have completed FRE 1120. departmental approval required. May be repeated up to 12 credit hours.

FRE 1121L BEGINNING FRENCH II LABORATORY
CR: FRE 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Departmental approval required. May be repeated up to 12 credit hours.

FRE 1120 BEGINNING FRENCH I
PR: CHI 1120L. Mandarin. PR: CHI 1121 or equivalent. A review of the basic structure of French. Departmental approval required. May be repeated up to 12 credit hours. (S/U only.)

FRE 1170 OVERSEAS STUDY-ELEM. FRENCH
(4)
Elementary-level French taught in France. In lieu of FRE 1120 and FRE 1121. Departmental approval required. May be repeated up to 8 credit hours.

FRE 2200 FRENCH III
PR: FRE 1121 or equivalent. A review of the basic structure of French.

FRE 2201 FRENCH IV
PR: FRE 2200 or equivalent. Readings in French on the intermediate level.

FRE 2240 CONVERSATION II
PR: FRE 2241 or equivalent proficiency. Conversation practice with concentration on current idiomatic usage.

FRE 2241 CONVERSATION I
PR: FRE 1121. For development of basic conversational skills.

FRE 2270 OVERSEAS STUDY-INTR. FRENCH
(1-6)
PR: Two semesters of university-level French or equivalent proficiency. Departmental approval required. May be repeated up to 12 credit hours.

FRE 3230 READING IN FRENCH LITERATURE & CULTURE
(3)
PR: FRE 2201 or equivalent. This course is designed to build reading skills while giving students a broad background in French culture.

FRE 3420 COMPOSITION I
(3)
An advanced composition course for students who have completed FRE 2200 and/or 2201.

FRE 3440 FRENCH FOR BUSINESS
(3)
PR: FRE 2200 or equivalent. An introduction to the French language in ordinary business transactions.

FRE 3470 OVERSEAS STUDY
(1-6)
An intensive study-travel project in France. Departmental approval required. May be repeated up to 12 credit hours.

FRE 3500 FRENCH CIVILIZATION
(3)
Readings and discussion on the cultural history of France.

FRE 4421 COMPOSITION II
(3)
Continuation of French composition. This course is designed to follow FRE 3420.

FRE 4471 ADVANCED OVERSEAS STUDY
(1-6)
PR: FRE 3470 or CI. Intensive language study in France. Departmental approval required. May be repeated up to 12 credit hours.

FRE 4700 FRENCH LINGUISTICS
(3)
PR: LIN 3010 and FRE 2201 or equivalent. An introduction to the phonological, morphological and syntactic structure of French.

FRE 4905 DIRECTED STUDY
Departmental approval required.

FRE 4930 SELECTED TOPICS
(1-3)
Study of an author, movement or theme.

FRE 5425 ADVANCED WRITTEN EXPRESSION
(3)
PR: FRE 4421, or equivalent. Course is designed to give advanced training in free composition in French.

FRE 5566 CONTEMPORARY FRANCE
(3)
PR: FRE 3500 or equivalent or graduate standing. An advanced course in French civilization and culture including a study of recent social, artistic and political trends as well as various current intellectual movements. Text and discussions in French.

FRW 4100 INTRODUCTION TO FRENCH NOVEL
(3)
PR: FRE 3230, FRE 3420. A study of the history of the novel from its early appearance to present times with emphasis on the 19th and 20th centuries. Authors to be studied include Chretien de Troyes, Rabelais, Balzac, Flaubert, Proust, Camus, Sartre, Robbe-Grillet, and others. Specific content may vary from year to year.

FRW 4101 INTRODUCTION TO FRENCH DRAMA AND POETRY
(3)
PR: FRE 3230. A study of the history of drama and poetry. Will include medieval drama, Racine, Corneille, Milori, Anouilh, Sartre, Ionesco and others. Will also include Villon, Ronsard, DuBellay, Lamartine, Hugo, Vigny, Musset, Baudelaire, Mallarme, Rimbaud, Valery, Peguy, Eluard, Apollinaire, Char, and others. Course content may vary from year to year.

FRW 5222 CLASSICAL PROSE AND POETRY
(3)
PR: FRW 4101. Emphasis on Malherbe, La Fontaine, Boileau, Descartes, and Pascal.

FRW 5228 THE 20TH CENTURY POETRY AND THEATRE
(3)

FRW 5286 THE 20TH CENTURY NOVEL
(3)
PR: FRW 4101. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.

FRW 5314 CLASSICAL DRAMA
(3)
PR: FRW 4101. Corneille, Milori, and Racine.

FRW 5415 LITERATURE OF THE MIDDLE AGES
(3)
PR: FRW 4101. Major genres, including epics, Arthurian romances, drama and lyric poetry. Reading in modern French translation.

FRW 5425 LITERATURE OF RENAISSANCE
(3)
PR: FRW 4101 or FRW 4101. A study of Renaissance French humanism including Rabelais, Montaigne, and Pleiade poets.
German

GER 1120 BEGINNING GERMAN I (4)
CR: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of German.

GER 1120L BEGINNING GERMAN I LABORATORY (1)
CR: GER 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

GER 1121 BEGINNING GERMAN II (4)
PR: GER 1120 or equivalent. CR: GER 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing German.

GER 1121L BEGINNING GERMAN II LABORATORY (1)
CR: GER 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

GER 2200 BEGINNING GERMAN III (3)
PR: GER 1121 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 2201.

GER 2201 GERMAN IV (3)
PR: GER 1121 equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.

GER 2240 CONVERSATION I (3)
PR: GER 1121. For development of basic conversational skills.

GER 3420 COMPOSITION I (3)
A fundamental course for students who have completed GER 2200 or GER 2201.

GER 3500 GERMAN CIVILIZATION (3)
PR: GER 2200 or GER 2201. Readings in German on the cultural history of Germany.

GER 4410 CONVERSATION II (3)
Free conversation based on the current German idiom.

GER 4421 COMPOSITION II (3)
Practical training in modern German usage and differences of style.

GER 5845 HISTORY OF THE GERMAN LANGUAGE (3)
A diachronic approach to the study of the German language. The course traces the history and development of the language from Indo-European through Germanic, Old, Middle, and New High German.

GRE 1120 INTERMEDIATE CLASSICAL GREEK I (4)
An introductory course in classical Greek grammar with appropriate readings.

GRE 1121 BEGINNING CLASSICAL GREEK II (4)
PR: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 2200 INTERMEDIATE CLASSICAL GREEK (4)
PR: GRE 1121 or equivalent. Readings in Greek at an intermediate level.

GRW 4905 DIRECTED READING (1-4)
Departmental approval required.

GRW 5905 DIRECTED READING (1-4)
Departmental approval required.

GRW 5934 SELECTED TOPICS (1-3)
Study of an author, movement or theme. May be repeated up to 12 credit hours.

Greek (Classical)

GRE 1120 BEGINNING CLASSICAL GREEK I (4)
An introductory course in classical Greek grammar with appropriate readings.

GRE 1121 BEGINNING CLASSICAL GREEK II (4)
PR: GRE 1120 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 2200 INTERMEDIATE CLASSICAL GREEK (4)
PR: GRE 1121 or equivalent. Readings in Greek at an intermediate level.

GRW 4905 DIRECTED READING (1-4)
Departmental approval required.

GRW 5905 DIRECTED READING (1-4)
Departmental approval required.

GRW 5934 SELECTED TOPICS (1-3)
Study of an author, movement or theme. May be repeated up to 12 credit hours.

Greek (Modern)

GRK 1120 BEGINNING MODERN GREEK I (4)
CR: GRK 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

GRK 1120L BEGINNING MODERN GREEK I LABORATORY (1)
CR: GRK 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

GRK 1121 BEGINNING MODERN GREEK II (4)
PR: GRK 1120 or its equivalent; CR: GRK 1121L. A continuation of GRK 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.

GRK 1121L BEGINNING MODERN GREEK II LABORATORY (1)
CR: GRK 1121. A laboratory designed to offer additional
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ITA 1121L</td>
<td>BEGINNING ITALIAN II LABORATORY</td>
<td>(1)</td>
</tr>
<tr>
<td>CR: ITA 1121</td>
<td>A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)</td>
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<tr>
<td>ITA 2200</td>
<td>INTERMEDIATE ITALIAN I</td>
<td>(3)</td>
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<tr>
<td>CR: ITA 1121 or equivalent. Readings in Italian on the elementary level. A review of the basic structure of spoken and written Italian.</td>
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<tr>
<td>ITA 2240</td>
<td>ITALIAN CONVERSATION I</td>
<td>(4)</td>
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<tr>
<td>To develop fluency and correctness in spoken Italian. Intensive study for conversational skill based particularly upon the current Italian idiom. Syntax is intensified and the vocabulary and idiomatic expressions expanded.</td>
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<tr>
<td>ITA 2241</td>
<td>ITALIAN CONVERSATION II</td>
<td>(4)</td>
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<tr>
<td>To assist students who have already made a start in speaking Italian, who have not had the advantages of travel or who have non-Italian speaking parents, to improve their skill in speaking Italian. Current events; literary discussions; free conversation; prepared speeches. Differences of media, syntactical signal.</td>
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<tr>
<td>ITA 3420</td>
<td>COMPOSITION</td>
<td>(3)</td>
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<tr>
<td>A fundamental composition course for students who have completed ITA 2200.</td>
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<tr>
<td>ITW 4100</td>
<td>SURVEY OF ITALIAN LITERATURE I</td>
<td>(4)</td>
</tr>
<tr>
<td>A survey of Italian literature from the earliest monuments through the classicism of the 18th century.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITW 4101</td>
<td>SURVEY OF ITALIAN LITERATURE II</td>
<td>(4)</td>
</tr>
<tr>
<td>A survey of Italian literature beginning with the Classicism of the 18th century and continuing to present.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITW 4905</td>
<td>DIRECTED STUDY</td>
<td>(1-5)</td>
</tr>
<tr>
<td>Departmental approval required.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japanese</td>
<td></td>
<td></td>
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<tr>
<td>JPN 1120</td>
<td>MODERN JAPANESE I</td>
<td>(4)</td>
</tr>
<tr>
<td>CR: JPN 1120L. An intensive study of basic skills; pronunciation, listening comprehension, speaking, and some composition.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JPN 1120L</td>
<td>MODERN JAPANESE I LABORATORY</td>
<td>(1)</td>
</tr>
<tr>
<td>CR: JPN 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JPN 1121</td>
<td>MODERN JAPANESE II</td>
<td>(4)</td>
</tr>
<tr>
<td>CR: JPN 1121 or equivalent. CR: JPN 1121L. A continuation of JPN 1120. An intensive study of basic skills; pronunciation, listening comprehension, speaking, and some composition. More sophisticated oral/aural skills are attained. Basic reading skills are acquired.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JPN 1121L</td>
<td>MODERN JAPANESE II LABORATORY</td>
<td>(1)</td>
</tr>
<tr>
<td>CR: JPN 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)</td>
<td></td>
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<tr>
<td>JPN 2200</td>
<td>MODERN JAPANESE III</td>
<td>(4)</td>
</tr>
<tr>
<td>CR: JPN 2200 or its equivalent. Continuation of JPN 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JPN 2201</td>
<td>MODERN JAPANESE IV</td>
<td>(4)</td>
</tr>
<tr>
<td>CR: JPN 2200 or its equivalent. Continuation of JPN 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JPN 4905</td>
<td>DIRECTED STUDY</td>
<td>(1-5)</td>
</tr>
<tr>
<td>Permits study options in Japanese not available in regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours. (S/U only.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JPN 4930</td>
<td>SELECTED TOPICS</td>
<td>(1-5)</td>
</tr>
<tr>
<td>Course permits study options in Japanese not available in regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Latin

LAT 1120 BEGINNING LATIN I (4)
An introductory course in Latin grammar with appropriate readings.

LAT 1121 BEGINNING LATIN II (4)
PR: LAT 1120 or equivalent. An introductory course in Latin grammar with appropriate readings.

LAT 2200 INTERMEDIATE LATIN (4)
PR: LAT 1121 or equivalent. Readings in Latin at an intermediate level.

LNW 2660 VERGIL (4)
PR: LAT 1121 or equivalent. Readings in Vergil's Aeneid. Study of the tradition, techniques, and artistry of Roman epic poetry. Available to majors and non-majors.

LNW 4381 LIVY (4)
PR: Basic knowledge of Latin. Readings in the ideas and artistry of this Roman historian.

LNW 4500 CICERO AND ROMAN PHILOSOPHY (4)
PR: Basic knowledge of Latin. Readings in the philosophic writings of Cicero, together with a consideration of eclectic thought.

LNW 4501 SENECa AND ROMAN PHILOSOPHY (4)
PR: Basic knowledge of Latin. Readings in the philosophic writings of Lucius Annaeus Seneca, together with an examination of Stoic, Epicurean, and Eclectic thought.

LNW 4634 CATULLUS (4)
PR: Basic knowledge of Latin. Readings in Catullus. Study of techniques and tradition in Roman lyric poetry.

LNW 4634 CICERO (4)
PR: Basic knowledge of Latin. Readings in the epistles of Cicero.

LNW 4654 HORACE (4)
PR: Basic knowledge of Latin. Readings in the Odes and Epodes of Horace; study of the Ode's tradition.

LNW 4670 OVID (4)
PR: LAT 1121 or equivalent. Readings in Ovid's Metamorphoses. Study of Ovid's technique, style, and artistry.

LNW 4900 DIRECTED READING (1-4)
Departmental approval required.

LNW 4930 SELECTED TOPICS (4)
Study of an author, movement, or theme. May be repeated up to 12 credit hours.

Polish

POL 1120 BEGINNING POLISH I (4)
CR: POL 1120L. This course features all four major skills: listening, reading, speaking, and writing. Grammar exercises, dictation, readings and vocabulary-building are central in this first course. Knowledge of Russian can help.

POL 1120 BEGINNING POLISH I LABORATORY (1)
CR: POL 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

POL 1121 BEGINNING POLISH II (4)
PR: POL 1120 or equivalent. CR: POL 1121L. This course continues the four basic skills of POL 1120, with continued emphasis on structures, dialogues, readings, dictation, and vocabulary-building. Knowledge of Russian can help.

POL 1121 BEGINNING POLISH II LABORATORY (1)
CR: POL 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

POL 2200 POLISH III (4)
PR: POL 1121 or the equivalent. For language students who intend to attain basic proficiency.

POL 2201 POLISH IV (4)
PR: POL 2200 or the equivalent. Continuation of POL 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.

POL 4905 DIRECTED STUDY (1-5)
Permits study options in Polish not available in regularly scheduled curriculum at departmental discretion. (S/U only.) Departmental approval required. May be repeated up to 10 credit hours.

Portuguese

POR 1120 BEGINNING PORTUGUESE I (4)
CR: POR 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

POR 1120L BEGINNING PORTUGUESE LABORATORY (1)
CR: POR 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

POR 1121 BEGINNING PORTUGUESE II (4)
PR: POR 1120 or equivalent. CR: POR 1120L. Continued development of basic skills in listening and reading comprehension, speaking and writing of Brazilian Portuguese.

POR 1121L BEGINNING PORTUGUESE LABORATORY (1)
CR: POR 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

POR 2200 INTERMEDIATE PORTUGUESE I (3)
PR: POR 2200 builds upon the four language skills (speaking, comprehension, reading, and writing) introduced in POR 1120 and POR 1121.

POR 2201 INTERMEDIATE PORTUGUESE II (3)
PR: POR 2200 builds upon the four language skills (speaking, comprehension, reading, and writing) introduced in POR 1120 and POR 1121. For language students who intend to attain basic proficiency.

POR 4905 DIRECTED STUDY (1-5)
Course permits study options on Portuguese not available in the regularly scheduled curriculum. May be repeated up to 10 hours. (S/U only.)

POR 4930 SELECTED TOPICS (1-5)
Course permits study options on Portuguese not available in the regularly scheduled curriculum. May be repeated up to 10 hours.

Russian

RUS 1120 BEGINNING RUSSIAN I (4)
CR: RUS 1120L. The first course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 1120L BEGINNING RUSSIAN LABORATORY (1)
CR: RUS 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

RUS 1121 BEGINNING RUSSIAN II (4)
PR: RUS 1120 or CI. CR: RUS 1120L. The second course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.

RUS 1121L BEGINNING RUSSIAN II LABORATORY (1)
CR: RUS 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. (S/U only.)

RUS 2200 RUSSIAN III (4)
PR: First year Russian or equivalent. Review and development of basic skills in conversation, composition, and reading.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUS 2201</td>
<td>RUSSIAN IV</td>
<td>4</td>
<td>PR: RUS 2200 or equivalent. Review and development of basic skills in conversation, composition, and reading.</td>
<td></td>
</tr>
<tr>
<td>RUS 2270</td>
<td>OVERSEAS STUDY</td>
<td>1-6</td>
<td>Intensive study of the Russian language in Russia involving at least 20 hours per week of classroom instruction and cultural excursions conducted in Russian and other parts of Russia. May be repeated up to 12 credit hours.</td>
<td></td>
</tr>
<tr>
<td>RUS 3240</td>
<td>CONVERSATION I</td>
<td>4</td>
<td>PR: Second year Russian or equivalent. Development of basic conversational skills.</td>
<td></td>
</tr>
<tr>
<td>RUS 3470</td>
<td>OVERSEAS STUDY</td>
<td>1-6</td>
<td>Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Must be enrolled in the USF Summer Study in Moscow program. Two years Russian required. Students from other institutions eligible.</td>
<td></td>
</tr>
<tr>
<td>RUS 3500</td>
<td>RUSSIAN CIVILIZATION -6A</td>
<td>3</td>
<td>A survey of the cultural history of Russia.</td>
<td></td>
</tr>
<tr>
<td>RUS 4241</td>
<td>CONVERSATION II</td>
<td>2</td>
<td>PR: Previous course in series or equivalent. Development of conversational skills. May be repeated.</td>
<td></td>
</tr>
<tr>
<td>RUS 4402</td>
<td>ADVANCED RUSSIAN CONVERSATION &amp; COMPOSITION I</td>
<td>4</td>
<td>PR: RUS 4241 or Cl. Third year Russian.</td>
<td></td>
</tr>
<tr>
<td>RUS 4403</td>
<td>ADVANCED RUSSIAN CONVERSATION &amp; COMPOSITION II</td>
<td>4</td>
<td>PR: RUS 4241 or Cl. Third year Russian.</td>
<td></td>
</tr>
<tr>
<td>RUS 4471</td>
<td>ADVANCED OVERSEAS STUDY</td>
<td>1-6</td>
<td>Intensive Russian at Moscow Linguistic University with excursions in Moscow and Russia. Must be enrolled in the USF Summer Study in Moscow program. Three years Russian required. Students from other institutions eligible.</td>
<td></td>
</tr>
<tr>
<td>RUS 4700</td>
<td>RUSSIAN LINGUISTICS</td>
<td>3</td>
<td>PR LIN 3010 or equivalent or Cl. An introduction to Russian Linguistics content: Phonology, Morphology, Word-formation, Syntax.</td>
<td></td>
</tr>
<tr>
<td>RUT 3110</td>
<td>RUSSIAN CLASSICS IN ENGLISH -6A-XLW</td>
<td>3</td>
<td>Masterpieces of 19th century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.</td>
<td></td>
</tr>
<tr>
<td>RUT 3111</td>
<td>TWENTIETH-CENTURY RUSSIAN LITERATURE IN ENGLISH -6A-XLW</td>
<td>3</td>
<td>Masterpieces of 20th century Russian literature in English. The major works of Bely, Olesha, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitzy. Elective for all students in all departments.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1120 BEGINNING SPANISH I</td>
<td>4</td>
<td>CR: SPN 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of Spanish. Not open to native or near-native speakers of Spanish.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1120 BEGINNING SPANISH I LABORATORY</td>
<td>1</td>
<td>CR: SPN 1120. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. (S/U only.)</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1121 BEGINNING SPANISH II</td>
<td>4</td>
<td>PR: SPN 1121 or equivalent. CR: SPN 1121L. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish. Not open to native or near-native speakers of Spanish.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1121 BEGINNING SPANISH II LABORATORY</td>
<td>1</td>
<td>CR: SPN 1121. A laboratory designed to offer additional practice using various instructional technologies and media. Concurrent enrollment with a lecture session is required, and, if dropped, then dropped simultaneously. Not open to native or near-native speakers of Spanish. (S/U only.)</td>
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</tr>
<tr>
<td>Spanish</td>
<td>SPN 1130 ACCELERATED SPANISH FOR NEAR-NATIVE SPEAKERS AND OTHERS</td>
<td>1-6</td>
<td>PR: Cl. Accelerated course for near-native speakers and others with some knowledge of Spanish capable of making rapid progress.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 2200 SPANISH III</td>
<td>3</td>
<td>PR: SPN 1121 or equivalent. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish. May NOT be taken concurrently with SPN 2201. Not open to native or near-native speakers of Spanish.</td>
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</tr>
<tr>
<td>Spanish</td>
<td>SPN 2201 SPANISH IV</td>
<td>3</td>
<td>PR: SPN 2200 or equivalent. Continued development of basic skills in listening and reading comprehension, speaking and writing of Spanish. May NOT be taken concurrently with SPN 2200. Not open to native or near-native speakers of Spanish.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 2241 CONVERSATION II</td>
<td>3</td>
<td>PR: SPN 1121. For development of basic conversational skills. Not open to native or near-native speakers of Spanish.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 2242 SPANISH CIVILIZATION</td>
<td>3</td>
<td>PR: SPN 2240 or equivalent. To improve fluency in spoken Spanish. Not open to native or near-native speakers of Spanish.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 2370 OVERSEAS STUDY</td>
<td>1-6</td>
<td>PR: SPN 1121. An intensive study-travel program in a Spanish-speaking country. Prior departmental approval and early registration are required.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 3300 COMPOSITION</td>
<td>3</td>
<td>PR: SPN 2200-2201. A study of syntax, grammar and writing. Not open to native or near-native speakers of Spanish.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 3340 ADVANCED SPANISH FOR NATIVE SPEAKERS I</td>
<td>3</td>
<td>PR: Native or near native oral/aural proficiency. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in the language. Emphasis on grammatical problems affecting such speakers. Texts and discussions in Spanish. This is primarily a discussion course. May not count as Spanish major elective.</td>
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<tr>
<td>Spanish</td>
<td>SPN 3341 ADVANCED SPANISH FOR NATIVE SPEAKERS II</td>
<td>3</td>
<td>PR: SPN 3340. Course for native and near-native speakers of Spanish due to home environment and/or residence in a Spanish speaking country, but without formal training in a language. Emphasis on those aspects of written expression such as style and syntax which are problematic for such speakers. Texts and discussions in Spanish. This is primarily a discussion course. May not count as Spanish major elective.</td>
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<tr>
<td>Spanish</td>
<td>SPN 3440 SPANISH FOR BUSINESS</td>
<td>3</td>
<td>PR: SPN 2201 or equivalent. An introduction to the Spanish language as used in undertaking ordinary business transactions.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 3441 ADVANCED SPANISH FOR BUSINESS WRITING</td>
<td>3</td>
<td>PR: SPN 3440 or equivalent. Continuation of SPN 3440. Advanced business communication in Spanish through discussion, reading, and writing of representative texts from the Spanish speaking world. Emphasis on business forms and composition of proposals, reports, records, and the language of advertisement. Texts and discussions in Spanish. This is a discussion course, open to Spanish and Business majors and minors.</td>
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</tr>
<tr>
<td>Spanish</td>
<td>SPN 3500 SPANISH CIVILIZATION</td>
<td>3</td>
<td>PR: SPN 1121. The culture and civilization of Spain.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 3520 SPANISH AMERICAN CIVILIZATION</td>
<td>3</td>
<td>PR: SPN 1121. The culture and civilization of the Spanish speaking world. Emphasis on those aspects of the Spanish speaking world which are problematic for such speakers. Texts and discussions in Spanish. This is a discussion course, open to Spanish and Business majors and minors.</td>
<td></td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 4301 EXPOSITORY WRITING</td>
<td>3</td>
<td>PR: SPN 3300. Practical training in contemporary Spanish structure, usage and stylistic devices. Not open to native or near-native speakers of Spanish.</td>
<td></td>
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</tbody>
</table>
SPW 5726 VANGUARD LITERATURE OF 1918 AND 1936 (3)

SPW 5525 MODERN SPANISH AMERICAN CIVILIZATION (3)
PR: SPN 4131. Major writers of all genres. Emphasis on advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends, from Colonial Times to the present. Texts and discussions in Spanish.

SPN 4410 ADVANCED CONVERSATION (3)
PR: SPN 3241 or equivalent. Intensive practice in the formulation and expression of ideas in standard Spanish. Not open to native or near-native speakers of Spanish.

SPN 4470 ADVANCED OVERSEAS STUDY (1-6)

SPN 4700 SPANISH LINGUISTICS (3)
PR: LIN 3010 or equivalent (may be taken concurrently with CI) and SPN 2201 or equivalent. An introduction to Hispanic linguistics: Phonology, morphology, syntax, and lexicography.

SPN 5227 MODERN SPANISH LITERATURE (3)
PR: SPN 3520 or equivalent or graduate standing. Advanced readings and discussions dealing with Spanish American civilization and culture, including a study of social, artistic and political trends, from Colonial Times to the present. Texts and discussions in Spanish.

SPS 2526 WOMEN WRITERS OF LATIN AMERICA -AF (3)
Literature of Latin-American women (in translation). Topics related to race and ethnicity, values and ethics, social, economic, and political issues. Readings will include oral histories, interviews, diaries and memoirs, poetry, short stories, and novels. (May also be taken in Women's Studies.)

SPW 3030 INTRODUCTION TO HISPANIC LITERATURE (3)
PR: SPN 3201 or equivalent. Prose fiction, drama, poetry, and essay; techniques of literary analysis.

SPW 4100 SURVEY OF SPANISH LITERATURE I (3)
PR: SPW 3030 or equivalent. A study of Spanish literature from its origins through the 17th century.

SPW 4101 SURVEY OF SPANISH LITERATURE II (3)
PR: SPW 3030 or equivalent. A study of the later periods of Spanish literature.

SPW 4131 SURVEY OF SPANISH-AMERICAN LITERATURE (3)
PR: SPW 3030 or equivalent. An introduction to the study of Spanish-American literature from the Modernism period to the present. Emphasis on modern writers since Dario.

SPW 4900 DIRECTED STUDY (1-3)
Departmental approval required.

SPW 4930 SELECTED TOPICS (1-3)
Study of an author, movement or theme. PR: Departmental approval.

SPW 5387 SPANISH AMERICAN PROSE (3)
PR: SPW 4131. Emphasis on the gaucho theme and contemporary prose fiction.

SPW 5388 GOLDEN AGE POETRY AND DRAMA (3)
PR: SPW 4100. Lope de Vega, Alarcon, Tirso, Calderon, and others.

SPW 5405 MEDIEVAL LITERATURE (3)
PR: SPW 4100 or equivalent. Course gives an in-depth study of principal works and authors of the period such as El Poema de Mio Cid, Libro de Buen Amor and La Celestina.

SPW 5465 19TH CENTURY LITERATURE (3)

SPW 5605 CERVANTES (3)
Cervantes' masterpiece Don Quijote de la Mancha.

SPW 5725 GENERATION OF 1898 (3)
PR: SPW 4101. The major figures of the period and their main followers.

SPW 5726 VANGUARD LITERATURE OF 1918 AND 1936 (3)
### Liberal Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3300</td>
<td>STRUCTURES OF KNOWLEDGE AND KNOWING</td>
<td>4</td>
</tr>
<tr>
<td>TSL 3310</td>
<td>PROGRESS AND UTOPIA</td>
<td>4</td>
</tr>
<tr>
<td>IDS 3320</td>
<td>FREEDOM AND THE SELF</td>
<td>4</td>
</tr>
</tbody>
</table>

Distinguishing the modalities of human knowledge and awareness as reflected in the classic distinctions: sensory/motor/remote; normative/descriptive/non-rational; logical/mathematical; ethical/physical/moral; qualitative/quantitative; mind/will/body; substance and function.

Examination of the modern backgrounds of contemporary awareness: particularly the development of historical awareness of ourselves as scientifically, technologically, and socially progressive in relation to both utopic and non-utopic futures.

Analysis of the idea of freedom in relation to the idea of self, involving comparative treatment of the variety of standpoints of conceiving the individual personality in relation to the social context.

### Library and Information Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIS 2001</td>
<td>LIBRARY AND INFORMATION SKILLS</td>
<td>3</td>
</tr>
<tr>
<td>LIS 2002</td>
<td>INTRODUCTION TO THE INTERNET</td>
<td>3</td>
</tr>
<tr>
<td>LIS 2937</td>
<td>SELECTED TOPICS IN LIBRARY/INFORMATION SCIENCE</td>
<td>1-3</td>
</tr>
<tr>
<td>LIS 3343</td>
<td>WORLDWIDE WEB PAGE DESIGN AND MANAGEMENT</td>
<td>3</td>
</tr>
<tr>
<td>LIS 5268</td>
<td>MICROCOMPUTER APPLICATIONS IN LIBRARY AND INFORMATION CENTERS</td>
<td>3</td>
</tr>
<tr>
<td>LIS 5315</td>
<td>INSTRUCTIONAL GRAPHICS</td>
<td>3</td>
</tr>
<tr>
<td>LIS 5333</td>
<td>TV IN SCHOOL AND LIBRARIES</td>
<td>3</td>
</tr>
<tr>
<td>LIS 5404</td>
<td>FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE</td>
<td>3</td>
</tr>
</tbody>
</table>

An introduction to various types of information sources (print and electronic) and search techniques. The course is designed to instruct students how to locate, evaluate, and effectively use information.

Covers the history, structure, and use of the Internet, with an emphasis on using the Internet to answer educational, research, and other information-based needs.

Covers a variety of topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues. May be repeated up to 9 credit hours total when topic varies.

Covers a variety of strategies in designing and maintaining attractive and effective World Wide Web pages for publication on the Internet.

Covers a variety of advanced topics in the field of library/information science such as emerging technologies, administration and service, and current professional issues.

Microcomputer hardware and software for libraries and their application in library/information settings. Projects using major application for budgets, databases, and telecommunications are undertaken.

Theoretical aspects, planning and production of instructional graphic material. The theory of graphic communications. Interpreting needs for instructional materials appropriate for given behavioral objectives.

Introduction to the study of library and information science, history; organization; specialized literature; outstanding...
leaders; current trends, issues, and problems; the place of the information agency in society with its contributions to that society.

LIS 5937 SELECTED TOPICS IN LIBRARY STUDIES (1-4)
PR: CI. Covers a variety of topics in such areas as collection development, reference services, technical services, and administration.

Marine Science

OCE 2001 INTRODUCTION TO OCEANOGRAPHY (3)
Overview of biological, chemical, geological, and physical oceanography. (Also listed under Geology.)

OCE 4930 SELECTED TOPICS IN MARINE SCIENCE (1-4)
Selected topics in the marine sciences including marine biology, marine chemistry, marine geology, physical oceanography, and interdisciplinary topics relating to marine environments.

Mass Communications

ADV 3000 INTRODUCTION TO ADVERTISING (3)
PR: MMC 2100 and MMC 3602. A study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic, and legal aspects.

ADV 3101 ADVERTISING COPYWRITING (3)
PR: ADV 3000 and ECO 1000. Study of laboratory exercise in preparation of advertising copy for newspapers, magazines, radio, television, direct mail, outdoor displays, specialty items, and interactive electronic media.

ADV 3103 RADIO-TELEVISION ADVERTISING (3)
PR: ADV 3000. An intensive study and analysis of radio and television for advertising purposes, including copywriting, script and storyboard preparation, time buying and selling techniques, audience research methods, and basic production concepts.

ADV 3200 ADVERTISING DESIGN (3)
PR: ADV 3000 for advertising sequence majors; VIC 3001 for other Mass Comm majors. Application of graphic design principles to various areas of advertising. Combining visual and verbal elements effectively.

ADV 3300 ADVERTISING MEDIA STRATEGY (3)
PR: ACG 3074, ADV 3000, and ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

ADV 3700 RETAIL ADVERTISING PLANNING AND EXECUTION (3)
PR: ADV 3000 and ADV 3101. A study of retail advertising, including management decisions, processes, procedures, media planning, production techniques, and problems affecting the development of advertising to fulfill retail objectives.

ADV 4800 ADVERTISING CAMPAIGNS (3)
PR: ADV 3101, ADV 3300, ECO 1000, MAR 3023, and MMC 4420. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting, and media schedules.

ADV 4940 ADVERTISING PRACTICUM (1)
PR: CI. For advertising sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

FIL 2200 THE FILM AS MASS COMMUNICATION II: RHETORIC AND STYLISTICS (3)
PR: FIL 3004. A continuation of FIL 3004 to include the effective arrangements of scenes and sequences in motion picture and television films.

FIL 3004 THE FILM AS MASS COMMUNICATION I: SYNTAX (3)
PR: MMC 2100 and MMC 3602. The language, conventions, elements, and patterns of the film medium as related to current models of effective mass communication and new theories of nonverbal communication.

FIL 4404 SOCIAL HISTORY OF THE FILM, 1945 TO THE PRESENT (3)
PR: MMC 2100 and MMC 3602. The development of the film from 1945 to the present.

JOU 2100 BEGINNING REPORTING (3)
PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, gathering, and newswriting techniques. Typing ability is required.

JOU 3101 ADVANCED REPORTING (3)
PR: JOU 2100 or RTV 3301 (RTV majors only), JOU 4200 (may be taken concurrently). PHI 1103 and POS 2041. Getting information and writing the more complex and specialized story, techniques of investigative and analytical reporting, including ethical and legal considerations.

JOU 3300 MAGAZINE ARTICLE AND FEATURE WRITING (3)
PR: CRW 2100 and JOU 2100. Planning, researching, writing, and marketing articles for general and special interest magazines and newspaper magazine supplements; experiences in developing article ideas; inductive analysis of contemporary magazine articles.

JOU 3306 CRITICAL WRITING: EDITORIALS, REVIEWS, COLUMNS (3)
PR: JOU 3101 and JOU 4200. Interpretive and opinion writing for the mass media. Analysis and discussion of current events as a basis for critical thinking and editorial writing; evaluation of editorial pages of leading newspapers. Study of journalistic techniques involved in personal columns.

JOU 3502 PUBLIC AFFAIRS REPORTING (3)
PR: JOU 3101 or RTV 3301 (RTV majors only), POS 2041 and POS 2112 or POS 3142. Covering city council meetings, courthouse, city hall, courts, society, and other special assignments. Emphasis is on coverage of major governmental units of all levels of government, including examination and interpretation of public documents and records.

JOU 4200 NEWS EDITING I (3)
PR: ECO 1000, JOU 2100, and SYG 2010. Evaluating news and its display; editing and rewriting copy for the mass media; with emphasis on the daily newspaper; news judgment, headlines, makeup; ethical problems.

JOU 4206 NEWSPAPER DESIGN AND TYPOGRAPHY (3)
PR: JOU 4200 or CI. Theoretical and practical applications of newspaper design; problems in newspaper layout; the research of newspaper typography and design and its application; redesign of contemporary newspapers.

JOU 4941 EDITING PRACTICUM (1)
PR: Senior standing, JOU 4200 and CI. For news-editorial sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

JOU 4944 MAGAZINE PRACTICUM (1)
PR: Senior standing and CI. For magazine sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

JOU 5116 EXPLORATIONS IN NEWSWRITING (3)
PR: CC. Students work to develop writing styles, reporting on and creating stories about significant issues, events, and ideas. The course explores the notion that narrative journalism can be accurate, thorough, fair, and compelling, effectively bringing readers into stories and giving them a bigger stake in the news. The focus is on going beyond traditional practices of reporting and writing news stories.
MC 2100 WRITING FOR THE MASS MEDIA (3)
PR: Sophomore standing, 2.7 overall grade point average, grade of "C" in ENC 1101, ENC 1102, and passing score on English Diagnostic Test. An introduction to the basic skills of writing for the mass media with practice in library research, persuasive writing, and informational writing.

MC 3602 MASS COMMUNICATIONS AND SOCIETY (3)
PR: MMC 2100 and MMC 3602. An introduction to the techniques of writing scripts for photographic and multimedia presentation, electronic media, and industrial and documentary film.

MC 4020 HISTORY AND PRINCIPLES OF COMMUNICATIONS LAW (3)
PR: MMC 2100 and MMC 3602. Historical and constitutional backgrounds of freedom and control of expression, statutory enactments, major court decisions and administrative rulings which affect print media, telecommunications, advertising, and public relations.

MC 4420 COMMUNICATION ETHICS (3)
PR: MMC 2100 and MMC 3602 or CI. A study of the fundamental principles and philosophies of ethics and their application to the decision-making process in the various professions of mass communications.

MC 4420 RESEARCH METHODS IN MASS COMMUNICATIONS (3)
PR: MMC 2100 and MMC 3602. An introduction to the theory and practice of quantitative and historical research methods as applicable to the study of media and mass communications. Emphasis on survey research, evaluation of data, and report writing.

MC 4900 DIRECTED READING IN MASS COMMUNICATIONS (1-3)
PR: Junior standing and Cl. Reading and directed study in special topics.

MC 4910 INDIVIDUAL RESEARCH IN MASS COMMUNICATIONS (1-3)
PR: Junior standing and Cl. The course provides means for a student to do independent study in an area not covered by a numbered course.

MC 4936 SELECTED TOPICS IN MASS COMMUNICATIONS STUDIES (1-3)
PR: MMC 2100, MMC 3602 and Cl. Courses designed to meet current or specific topics of interest to instructors and students.

MC 4940/4945 MEDIA INTERNSHIP-SEMINAR (1-3)
PR: CI and 15 hours in Mass Comm. courses and completion of an 8-12 week paid media internship with newspaper, broadcast station, or other media-related agency approved by the School. Reports on experiences for discussion and evaluation. (S/U only.)

PG 2100C COLOR PHOTOGRAPHY (3)
PR: PGY 3620 or CI. Laboratory required. Development of knowledge and skills of color photography for publication and presentation. Emphasis is on the use of transparency and negative color materials in their application to the media.

PG 3610 PHOTOJOURNALISM I (3)

PG 3610 PHOTOJOURNALISM II (3)
PR: PGY 3610. Laboratory required. Advanced process and practice of photography for publication.

PUR 3000 PRINCIPLES OF PUBLIC RELATIONS (3)
PR: MMC 2100 and MMC 3602. The underlying theory and professional practice of public relations within corporate and institutional structures and its vital role in society; ethical standards of practice, and relationships of the practice to the public media; public relations problem-solving process.

PUR 4100 WRITING FOR PUBLIC RELATIONS (3)
PR: JOU 2100 and PUR 3000. Techniques for creating effective written public relations communications to achieve organizational goals, including news releases, proposal letters, broadcast scripts, and memos. Exercises based on case study scenarios. Analytical approach.

PUR 4401 PUBLIC RELATIONS: ISSUES, PRACTICES AND PROBLEMS (3)

PUR 4700 PUBLIC RELATIONS PRACTICUM (1)
PR: Senior standing and Cl. For public relations sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

PUR 4801 ADVANCED PUBLIC RELATIONS (3)
PR: MMC 4420, PUR 4100, and PUR 4401. As the final course in the public relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Development of a comprehensive public relations program or campaign. Extensive reading in the literature of contemporary practice.

RTV 2100 WRITING FOR RADIO AND TV (3)
PR: CRW 2100 or ENC 3310 and RTV 3001. The art and practice of script writing for radio and television.

RTV 3001 INTRODUCTION TO TELECOMMUNICATIONS (3)
PR: MMC 2100 and MMC 3602. A survey of the organization, structure, and function of the broadcasting industry.

RTV 3210 RADIO PRODUCTION AND DIRECTION (3)
PR: RTV 3001. Radio production and direction; laboratory and broadcast experiences.

RTV 3225 VIDEO WORKSHOP (1)
PR: MMC 2100 and MMC 3602. An introduction to the techniques and applications of field television production and electronic editing.

RTV 3301 BROADCAST NEWS (4)
PR: MMC 2100 and MMC 3602. Methods in gathering, writing, and editing newscasts for radio and television.

RTV 3941 RADIO PRACTICUM (1)
PR: RTV 3001 and Cl. For telecommunications sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

RTV 4220 TV PRODUCTION AND DIRECTION (3)
PR: RTV 3001 and RTV 3301. A basic course in the techniques of producing and directing TV programs.

RTV 4304 TV NEWS (3)
PR: RTV 3001 and RTV 3301. Techniques in writing and video taping for television news.

RTV 4330 ELECTRONIC FIELD PRODUCTION (3)
PR: RTV 3001 and RTV 3301. Advanced producing, scripting, lighting, camera, and editing for video production on location. Introduction to computer editing and graphics.

RTV 4500 TELECOMMUNICATIONS PROGRAMMING (3)
PR: RTV 3001. Program concepts, resources, costs, selection and scheduling, analysis of programming in terms of structures, appeals and strengths.

RTV 4700 TELECOMMUNICATIONS LAW AND POLICY (3)
PR: for broadcast news option: MMC 4200, POS 2112 or POS 3142, RTV 3001, RTV 3301; for programming option: RTV 2100 or RTV 3301, RTV 3001, RTV 4500, and Senior
standing. A study of the electronic media from the perspective of governmental regulation and the political process with special emphasis on how regulatory policy is determined.

RTV 4942 TV PRACTICUM (1)
PR: RTV 4220 and CI. For telecommunications sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

VIC 3001 INTRODUCTION TO VISUAL COMMUNICATIONS (3)
PR: MMC 2100 and MMC 3602. Survey of visual communication theory, techniques and contemporary application in the visual media. Critical examination of visual communication in newspapers, magazines, television, motion pictures and new media.

VIC 3943 VISUAL COMMUNICATION PRACTICUM (1)
PR: Senior standing and CI. For visual communications sequence majors. Practical experience outside the classroom where the student works for academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.)

Mathematics

CGS 3414 PROBLEM SOLVING USING PASCAL OR C -6A (3)
CP: MAS 3105. Introduction to Pascal or C with special emphasis on its applications to mathematics.

COP 4313 SYMBOLIC COMPUTATIONS IN MATHEMATICS -6A (3)
PR: MAP 2302 and MAS 3105. Students will write programs to solve problems in various areas of mathematics including calculus and linear algebra with symbolic programming systems such as Maple, Mathematica, or Macsyma.

MAA 4211 INTERMEDIATE ANALYSIS I -6A (4)

MAA 4212 INTERMEDIATE ANALYSIS II -6A (3)
PR: MAA 4211. Riemann-Stieltjes integration, uniform convergence, and related topics.

MAA 4402 COMPLEX VARIABLES -6A (3)
PR: MAA 4301 or CI. Complex numbers, Cauchy-Riemann equations, analytic and conformal functions, power series, Cauchy Integral Theorem, Cauchy Integral Formula, residue theory. (No credit for students with credit in MAA 5405.)

MAA 5306 REAL ANALYSIS I (3)
PR: MAA 4211. Sets and functions, measure theory, measurable functions, Lebesque integrations and limit theorems.

MAA 5307 REAL ANALYSIS II (3)
PR: MAA 5306. Continuation of MAA 5306, including functions of bounded variation, product measures and Fubini’s theorem, differentiation, Lp spaces.

MAA 5405 APPLIED COMPLEX ANALYSIS (3)
PR: CI. Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)

MAC 2102 COLLEGE ALGEBRA -6A -QM (3)
PR: Two years of high school algebra. Concepts of the real number system, functions, graphs, and complex numbers. Analytic skills for solving linear, quadratic, polynomial, exponential, and logarithmic equations. Mathematical modeling of real life applications.

MAC 2114 COLLEGE TRIGONOMETRY -6A (2)
PR: Two years of high school algebra. Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for students with credit in MAC 2132.)

MAC 2132 COLLEGE ALGEBRA AND TRIGONOMETRY -6A -QM (4)
PR: Two years of high school algebra. Real numbers and their properties, algebraic expression, equations and inequalities, functions, exponential and logarithmic functions. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for MAC 2132 for students with credit in MAC 2233 or MAC 2102.)

MAC 2203 BUSINESS CALCULUS -6A -QM (4)
PR: Three years of high school mathematics including two years of algebra or MAC 2102. Linear equations and functions, mathematics of finance, differentiation and integration of algebraic functions with applications to business, finance, and economics. (No credit for mathematics majors or students with credit in MAC 2233, MAC 2281, or MAC 2311.)

MAC 2233 ELEMENTARY CALCULUS I -6A -QM (4)
PR: Three years of high school mathematics including two years of algebra or MAC 2102. Differentiation and integration of algebraic functions with applications, exponential and logarithmic functions. MAC 2233-MAC 2234 are primarily for students from biological and social sciences. (No credit for mathematics majors or students with credit in MAC 2230, MAC 2281, or MAC 2311.)

MAC 2234 ELEMENTARY CALCULUS II -6A -QM (3)
PR: MAC 2230 or MAC 2233. Techniques of integration, differential equations, functions of several variables, series, and Taylor polynomials. (No credit for mathematics majors or students with credit in MAC 2282 or MAC 2312.)

MAC 2281 ENGINEERING CALCULUS I -6A -QM (3)
PR: Two years of high school algebra, and a semester of trigonometry or MAC 2132. A year of high school geometry is recommended. Limits, differentiation, differentials, extrema, indefinite integral. (No credit for students with credit in MAC 2230, MAC 2233, or MAC 2311.)

MAC 2282 ENGINEERING CALCULUS II -6A -QM (3)
PR: MAC 2281 or CC. Techniques of integration, trigonometric, log, and exponential functions, series, polar coordinates, applications. (No credit for students with credit in MAC 2234 or MAC 2312.)

MAC 2283 ENGINEERING CALCULUS III -6A (3)
PR: MAC 2282 or CC. Functions of several variables, partial derivatives, vector algebra, applications. (No credit for students with credit in MAC 2313.)

MAC 3111 CALCULUS I -6A -QM (4)
PR: Two years of high school algebra, and a semester of trigonometry or MAC 2132. A year of high school geometry is recommended. Limits, derivatives, applications. (No credit for students with credit in MAC 2230, MAC 2233, or MAC 2281.)

MAC 3122 CALCULUS II -6A -QM (3)
PR: MAC 2211 with a grade of “C” or better or CC. Antiderivatives, the definite integral, applications, series, log, exponential and trig functions. (No credit for students with credit in MAC 2234 or MAC 2282.)

MAC 3133 CALCULUS III -6A (4)
PR: MAC 2212 with a grade of “C” or better or CC. Integration, polar coordinates, conic sections, vectors, indeterminate forms and improper integrals. (No credit for students with credit in MAC 2283.)

MAD 3100 DISCRETE MATHEMATICS -6A (3)
PR: MAC 2281 or MAC 2311. An introduction to some of the aspects of discrete mathematics that are fundamental to digital computing. Topics include sets, numbers, algorithms, Boolean algebra, computer arithmetic, elementary combinatorics and an introduction to graph theory. (No credit towards Mathematical Sciences major.)

MAD 4401 NUMERICAL ANALYSIS -6A (4)
PR: MAS 3105; ability to program a digital computer. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.

MAD 4504 THEORY OF COMPUTATION -6A (3)
PR: MGF 3301 or MAD 3100. Mathematical aspects of
### Mathematics

- **MTG 4212 GEOMETRY**
  - PR: MTG 5316. The fundamental group; elements of homotopy theory and homology theory.

- **MTG 5405 HISTORY OF MODERN MATHEMATICS**
  - PR: MAC 2313. Traces the development of mathematical ideas in Western culture. Special emphasis is placed on those concepts which led to the Calculus. This course is open to majors and non-majors alike.

- **MTG 4302 INTRODUCTION TO TOPOLOGY -6A**

- **MTG 5317 TOPOLOGY II**
  - PR: MTG 5316. The fundamental group; elements of homotopy theory and homology theory.

- **STA 5442 INTRODUCTION TO PROBABILITY -6A**
  - PR: STA 5166, STA 5326, and STA 5446. Introduction to probability theory using calculus. Basic ideas of probability and random variables, discrete probability functions, continuous probability densities, joint distributions, transformations of random variables, multiple integrals, and generating functions of random variables, and limit theorems.

### Medical Technology

- **MLS 4031 INTRODUCTION TO MEDICAL TECHNOLOGY**
  - PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on principles and methods of medical technology, including professional ethics, safety regulations, quality control, phlebotomy, medical terminology, laboratory math and computer applications.

- **MLS 4860 CLINICAL URINALYSIS AND BODY FLUIDS**
  - PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on laboratory methodology and diagnosis using urine and other fluids such as semen, spinal, pleural, peritoneal and joint fluids.

- **MLS 4861 CLINICAL IMMUNOLOGY**
  - PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the tissues, cells, and molecules of the human immune system, emphasizing the detection of serum antibodies and disease states.

- **MLS 4862 CLINICAL HEMATOLOGY**
  - PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the diagnosis of human disease, including topics such as microbial pathogens, response for disease, including morphology, physiology, and laboratory diagnosis of bacteria, fungi, parasites and viruses.

### Statistics

- **STA 5446 PROBABILITY THEORY I (3)**
  - PR: STA 4321 or STA 4321 and STA 5442. Sample distribution theory, point and interval estimation, optimality theory, statistical decision theory and hypothesis testing.

- **STA 5447 PROBABILITY THEORY II**
  - PR: STA 4442 and STA 5446. Sample distribution theory, point and interval estimation, optimality theory, statistical decision theory and hypothesis testing.

- **STA 5526 NON-PARAMETRIC STATISTICS**
  - PR: STA 5526, CC. Topics may include: classical nonparametric statistical theory, nonparametric density estimation, nonparametric regression, generalized additive models, nonparametric pattern recognition, classification and regression trees.

### Other Courses

- **MLS 4031 INTRODUCTION TO MEDICAL TECHNOLOGY**
  - PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on principles and methods of medical technology, including professional ethics, safety regulations, quality control, phlebotomy, medical terminology, laboratory math and computer applications.
as instrumentation, electrophoresis, therapeutic drug-monitoring assays, tumor markers, and toxicology.

**MLS 4865 CLINICAL IMMUNOHEMATOLOGY**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on blood and tissue typing, including blood group systems, transfusion associated disease, HLA testing, and preparation of blood components for transfusion therapy.

**MLS 4866 CLINICAL LABORATORY MANAGEMENT AND EDUCATION**

PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on concepts of laboratory management, including personnel staffing, reimbursement, quality assurance, and regulatory issues, and clinical education techniques, including writing, lecture presentation, and evaluation.

**Philosophy**

**PHI 2000 INTRODUCTION TO PHILOSOPHY -6A -HP**

An introduction to selected philosophical problems and traditions.

**PHI 3062 HISTORY OF PHILOSOPHY: ANCIENT AND MEDIEVAL**

A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

**PHI 3420 HISTORY OF PHILOSOPHY: MODERN**

A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

**PHI 4440 19TH CENTURY CONTINENTAL PHILOSOPHY**

A study of developments in post-Kantian European philosophy.

**PHI 4600 CONTEMPORARY PHILOSOPHY -6A -XMW**

Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

**PHI 5000 AMERICAN PHILOSOPHY -6A -XMW**

Major traditions in American thought, Puritanism, the Enlightenment, Transcendentalism, Idealism, Pragmatism, and Analytic Philosophy in relation to American culture.

**PHI 1103 CRITICAL THINKING -SS**

Methods of thinking that lead to reliable conclusions, with emphasis on concrete cases in ordinary thinking and the sciences.

**PHI 2100 INTRODUCTION TO FORMAL LOGIC -6A -QM**

An elementary study of propositional, predicate, class and syllogistic logic with some attention to basic problems of logical theory.

**PHI 2800 ETHICAL THEORY**

A study of ethical theories, concepts, problems and methods.

**PHI 2831 ETHICS AND BUSINESS -SS**

An application of traditional ethical theories to contemporary problems in business.

**PHI 3404 SCIENTIFIC METHOD**

Probability, inductive inference, the hypothetico-deductive method, experimentation, and selected topics in the philosophy of science.

**PHI 3601 CONTEMPORARY MORAL ISSUES -6A -SS**

Open to all students. A study of contemporary moral issues concerning racism, sex, sexism, abortion, poverty, crime, war, suicide, and human rights in general.

**PHI 3633 BIOMEDICAL ETHICS**

This course will focus on the ethical issues arising from advances in medical practice, delivery of health care, and scientific research.

**PHI 3636 PROFESSIONAL ETHICS**

PR: Junior standing. An examination of the ethical problems that professionals will face in the complex, global society of the next few decades: confidentiality, divided loyalty, racism/sexisim, etc.

**PHI 3640 ENVIRONMENTAL ETHICS -SS**

A study of alternative theories of environmental ethics, including the application of these theories to contemporary environmental problems, such as pollution, resource depletion, species extinction, and land use.

**PHI 3700 PHILOSOPHY OF RELIGION -6A -SS**

Analysis of religious experience and activity and examination of principal religious ideas in light of modern philosophy.

**PHI 3905 DIRECTED STUDY**

PR: CI. Individual study directed by a faculty member. Approval slip from instructor required.

**PHI 3930 SELECTED TOPICS**

PR: CI. Selected topics according to the needs of the student.

**PHI 4073 AFRICAN PHILOSOPHY -XMW**

A descriptive and analytical study of African philosophical thought, featuring reflective comparisons of African and Western categories of thought. (May also be taken for credit in Africana Studies.)

**PHI 4300 THEORY OF KNOWLEDGE -6A -XMW**

An examination of human knowledge, its scope and limits, and an evaluation of evidence, criteria of truth, the nature of belief, conditions for meaningfulness, theories of perception, and a study of memory and sense perception in the four major fields of nature, history, personal experience, and the a priori.

**PHI 4320 PHILOSOPHY OF MIND -6A -XMW**

A study of historical and current issues in philosophy of mind, including the nature and status of mind, mind/body dualism, the relationship of mind and body, the problems of other minds, the physical basis for intelligence, etc.

**PHI 4602 CONTEMPORARY ETHICAL THEORY**

A survey of contemporary ethical theory, focusing both on the literature about the status of ethical theorizing—moral scepticism, moral nihilism, narrative ethics—and on specific types of theories—deontological theories, consequentialist theories, rights-based theories, virtue theories.

**PHI 4632 FEMINIST ETHICS -XMW**

A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Hoagland and others. (May also be taken for credit in Women’s Studies.)

**PHI 4800 AESTHETICS -6A -XMW**

A study of traditional and contemporary aesthetic theories with emphasis on creative process, the nature of the art work, the aesthetic response, expressiveness, form and content, as well as art and morality.

**PHI 4905 DIRECTED STUDY**

PR: CI. Individual study directed by a faculty member. Approval slip from instructor required.

**PHI 4930 SELECTED TOPICS**

PR: CI. Selected topics according to the needs of the senior students. Approval slip from instructor required.

**PHI 5135 SYMBOLIC LOGIC**

PR: PHI 2100 or CI. Study of topics such as the following: Metatheory of propositional and predicate logic, related metatheoretic results, alternative logics.

**PHI 5225 PHILOSOPHY OF LANGUAGE**

PR: Eight hours of philosophy, major in linguistics, or CI. An examination of semantic, syntactical, and functional theories of language with special attention given to the problems of meaning, linguistic reference, syntactical form, and the relations between scientific languages and ordinary linguistic usage. Seminar format.

**PHI 5913 RESEARCH**

PR: CI. Individual research supervised by a faculty member. Approval slip from instructor required.

**PHI 5934 SELECTED TOPICS**

PR: CI. Selected topics according to the needs of the student. Approval slip from instructor required.

**PHM 3100 SOCIAL PHILOSOPHY -6A**

An analysis of moral duties of social order and their philosophical foundations.

**PHM 3400 INTRODUCTION TO PHILOSOPHY OF LAW**

A study of the fundamental concepts of law from a philosophic standpoint including crime, justice, punishment, free speech, insanity, etc.
Physics

PHY 2020 CONCEPTUAL PHYSICS -NS (3)
A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today. (No credit for Physics or Mathematics majors.)

PHY 2038 ENERGY AND HUMANITY -NS (3)
Social, economic, and political aspects of energy. Includes energy conservation, environmental impact, energy-source alternatives, changing lifestyles, and personal use of solar energy. The relevant basic laws of physics and the scientific method are emphasized. Field trips and audiovisual presentations play important roles.

PHY 2048 INTRODUCTION TO QUANTUM MECHANICS (3, 1)
PR: MAC 2281 or MAC 2311. First semester of a two semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses.

PHY 2049, 2049L GENERAL PHYSICS II (CALCULUS BASED) & LABORATORY (3, 1)
PR: MAC 2282 or MAC 2312, PHY 2048, PHY 2048L. Second semester of general physics and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049 courses.

PHY 2053, 2053L GENERAL PHYSICS & LABORATORY (3, 1)
PR: MAC 2102 and MAC 2114, or MAC 2132. First semester of a two semester sequence of general physics (mechanics, heat, wave motion, sound, electricity, magnetism, optics, modern physics) and laboratory for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2053 and PHY 2048 courses.

PHY 2054, 2054L GENERAL PHYSICS & LABORATORY (3, 1)
PR: PHY 2053, PHY 2053L. Second semester of general physics and lab for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. May not receive credit for both the PHY 2054 and PHY 2049 courses.

PHY 3101 MODERN PHYSICS

PHY 3221 MECHANICS I (3)
CR: MAC 2283 or MAC 2313 and either PR: PHY 2048 or PHY 2101. First semester of a two semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work.

PHY 3323C ELECTRICITY AND MAGNETISM I (4)
PR: PHY 2049, MAC 2283 OR MAC 2313. Electrostatic fields and potentials, dielectrics, classical conductivity, RC circuits, Fourier and finite element methods. Laboratory. First semester of sequence PHY 3323C, PHY 4324C.

PHY 3424 OPTICS (4)
PR: PHZ 2101 or PHY 2049; CR: MAC 2283 or MAC 2313. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory.

PHY 4222 INTERMEDIATE ELECTRONICS & LABORATORY (2)
PR: PHZ 2101 or PHY 2049 or equivalent; CR: PHY 3101. Experiments in modern physics, including the area of atomic, nuclear, solid state and wave phenomena.

PHY 4324C ELECTRICITY AND MAGNETISM II (4)
PR: PHY 3323C; CR: MAP 2302. Introduction to special relativity, magnetic fields and potentials, magnetic materials, RL and RLC circuits, Maxwell’s equations and applications. Laboratory. Second semester of sequence PHY 3323C, PHY 4324C.

PHY 4523 STATISTICAL PHYSICS (3)
PR: PHY 3101 or CSCI. A statistical approach to thermodynamics and kinetic theory and introduction to statistical mechanics.

PHY 4604 INTRODUCTION TO QUANTUM MECHANICS (3)
PR: PHY 3101, or CSCI. Basic concepts of quantum mechanics with applications in atomic, nuclear, and condensed matter Physics.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>PHZ 4744C</td>
<td>INTRODUCTION TO ELECTRONICS AND TEST INSTRUMENTATION</td>
<td>4</td>
<td>PR: General Physics or Cl. Introduces the fundamentals of analog and digital electronics used in measurements and instrumentation. Weekly labs give hands-on experience in breadboarding electronic circuits and using test instrumentation (oscilloscopes, digital multimeters, computers, etc.)</td>
</tr>
<tr>
<td>PHY 452L</td>
<td>ADVANCED LABORATORY</td>
<td>3</td>
<td>PR: PHY 3822L. Experimental work primarily related to nuclear physics. Emphasis on modern physical experimental techniques employing some of the new types of equipment.</td>
</tr>
<tr>
<td>PHY 4905</td>
<td>INDEPENDENT STUDY</td>
<td>1-3</td>
<td>CR: PHY 2048 or PHY 2053. First semester of two-semester sequence on solving problems in General Physics I. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.</td>
</tr>
<tr>
<td>PHY 5100</td>
<td>UNDERGRADUATE RESEARCH</td>
<td>1-4</td>
<td>PR: Senior or advanced junior standing and CC. Course designed to be taken with the lecture course and to help students with developing problem-solving skills.</td>
</tr>
</tbody>
</table>

**Physics Courses**

**PHY 4936 SELECTED TOPICS IN PHYSICS**
- **(1)**
  - PR: Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.

**PHY 5720C ELECTRONICS FOR RESEARCH**
- **(3)**
  - PR: CI. A rigorous introduction to the fundamentals of analog and digital electronics. Theoretical circuit analysis and weekly labs introduce practical diodes, transistors, analog and digital ICs, and electronic test instrumentation.

**PHY 5937 SELECTED TOPICS IN PHYSICS**
- **(1-4)**
  - PR: Senior or advanced standing and CC. Each topic is a course in directed study under the supervision of a faculty member.

**PHZ 2101 MATHEMATICAL ANALYSIS OF PROBLEMS IN MECHANICS AND ELECTRICITY**
- **(2)**
  - PR: PHY 2053 and PHY 2054. CR: MAC 2283 or MAC 2313. Designed for students who have taken the algebra-based general physics sequence (PHY 2053/2054) and want to seek creditation for the calculus-based sequence (PHY 2048/2049). Review of mechanics and electricity emphasizing problems which involve the use of calculus.

**PHZ 2103 PROBLEMS IN GENERAL PHYSICS I**
- **(1)**
  - CR: PHY 2048 or PHY 2053. First semester of two-semester sequence on solving problems in General Physics I. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.

**PHZ 2105 PROBLEMS IN GENERAL PHYSICS II**
- **(1)**
  - CR: PHY 2048 or PHY 2054. Second semester of two-semester sequence on solving problems in General Physics II. A course designed to be taken with the lecture course and to help students with developing problem-solving skills.

**PHZ 5115 METHODS OF THEORETICAL PHYSICS I**
- **(3)**
  - PR: PHY 2052 or Cl. Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space, orthogonal functions, generalized functions, Fourier analysis, transform calculus, and variational calculus.

**PHZ 5116 METHODS OF THEORETICAL PHYSICS II**
- **(3)**
  - PR: PHY 2052 or Cl. Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory.

**PHZ 5304 NUCLEAR PHYSICS**
- **(3)**
  - PR: PHY 4604 or Cl. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reaction, and high energy physics.

**PHZ 5405 SOLID STATE PHYSICS I**
- **(3)**
  - PR: PHY 3101, MAP 2302. Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of metals, band theory of metals, insulators, and semiconductors. First semester of sequence PHZ 5405, PHZ 6426.

**Political Science Courses**

**CPO 2002 INTRODUCTION TO COMPARATIVE POLITICS**
- **(3)**
  - SS: Introduction to politics in different states; comparison and analysis of representative European and non-Western political systems.

**CPO 4034 POLITICS OF THE DEVELOPING AREAS**
- **(3)**
  - An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

**CPO 4930 COMPARATIVE GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS**
- **(3)**
  - Studies political systems within common elements. Structure, process, domestic and foreign politics, and regional roles are considered. May be repeated up to 9 credit hours as topics vary.

**CPO 5934 SELECTED TOPICS IN COMPARATIVE POLITICS**
- **(3)**
  - Studies specific substantive areas in comparative politics such as political economy or the politics of specific countries or regions. May be repeated for credit as topics vary.

**INR 2002 INTRODUCTION TO INTERNATIONAL RELATIONS**
- **(3)**
  - Concepts and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.

**INR 3102 AMERICAN FOREIGN POLICY**
- **(3)**
  - Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

**INR 4035 INTERNATIONAL POLITICAL ECONOMY**
- **(3)**
  - Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.

**INR 4254 AFRICA IN WORLD AFFAIRS**
- **(3)**
  - An examination of Africa’s place and role in world affairs including an analysis of the impact of external forces, international relations in post-colonial Africa, the relations of African states with the major World Powers, the UN and its agencies.

**INR 4334 DEFENSE POLICY**
- **(3)**
  - Analytic institutional factors contributing to formulation of defense policy and the impact of such policy on international relations.

**INR 4403 INTERNATIONAL LAW**
- **(3)**
  - Examines essential components of the international legal system; recognition; succession; sea, air and space law, treaties, diplomats, International Court of Justice; laws of war, etc. Introduces the student to legal reasoning as employed in the international context.

**INR 4502 INTERNATIONAL ORGANIZATIONS**
- **(3)**
  - SS: AF: Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN; regional organizations and multinational corporations.

**INR 5086 ISSUES IN INTERNATIONAL RELATIONS**
- **(3)**
  - Explore specific topics and provides the student with an opportunity for in-depth study of historical and contemporary problems in international politics. May be repeated for credit as topics vary.

**POS 2041 AMERICAN NATIONAL GOVERNMENT**
- **(3)**
  - Analysis of basic principles and procedures of the American governmental system with emphasis on current issues and trends.

**POS 2080 THE AMERICAN POLITICAL TRADITION**
- **(3)**
  - SS: HP: This course is an introductory survey of the historical developments and changes in American political institutions, processes, and thought.
POS 2112 STATE AND LOCAL GOVERNMENT AND POLITICS (3)
Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes.

POS 3142 INTRODUCTION TO URBAN POLITICS AND GOVERNMENT (3)
Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and locally based public services.

POS 405 GOVERNMENT IN METROPOLITAN AREAS (3)
Examines governmental units and interactions in metropolitan areas, proposals for changes in governance, and policy areas of area-wide concern, such as human services.

POS 3173 SOUTHERN POLITICS (3)
Examines changes in electoral politics in the South, and the role of interest groups and the state and federal government in facilitating change.

POS 3182 FLORIDA POLITICS AND GOVERNMENT (3)
A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns.

POS 3273 PRACTICAL POLITICS (3)
PR: POS 2041 or POS 3453 or CI. Coordinated scholarly and practical activity through class lecture and supervised field work in local political parties and election campaigns.

POS 406 JUDICIAL PROCESS AND POLITICS (3)
The organization, development, and functioning of American court systems and the causes and consequences of judicial behavior from an empirical perspective.

POS 3453 POLITICAL PARTIES AND INTEREST GROUPS (3)
Analysis and understanding of role, functions, structure, and composition of such, and their impact on American governmental institutions.

POS 3691 INTRODUCTION TO LAW AND POLITICS (3)
Nature of law, legal process, relationship to political life of constitutional law, administrative law, the judicial process, and private law.

POS 3697 ENVIRONMENTAL LAW (3)
This course examines some of the major issues involving environmental law. Specially, the course provides a survey and analysis of statutes, both state and federal, regulating water, air, soil pollution, and resource conservation and recovery. The course will also address questions pertaining to problems of implementation, interpretation, enforcement, and development of environmental laws.

POS 3713 EMPirical POLITICAL ANALYSIS (3)
Fundamentals of empirical political inquiry: systematic data collection and quantitative analysis techniques. Laboratory exercises using the computer are required.

POS 3931 SELECTED TOPICS (3)
Selected topics in political science with course content based upon student demand and instructor's interest. May be repeated for up to 6 credits as topics vary.

POS 4165 COMMUNITY LEADERS AND POLITICS (3)
Analysis of the roles and powers of mayors, city managers, council members, and interest and ethnic groups; distribution of community power.

POS 4204 POLITICAL BEHAVIOR, PUBLIC OPINION, AND ELECTIONS (3)
Analysis of economic and socio-psychological factors influencing mass and elite political behavior; voting behavior, public opinion, and political activism.

POS 4413 THE AMERICAN PRESIDENCY-6A (3)
The presidency as a political institution; analysis of present political and policy leadership; crisis management and decision making; White House staffing; limits on power.

POS 4424 THE AMERICAN CONGRESS (3)
Organization, procedures, committee system, party leadership, relationships with governmental and nongovernmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.
DEP 4005 DEVELOPMENTAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of human development.

POT 4861 THE POLITICS OF IDENTITY, DIFFERENCE AND INEQUALITY - XMW (3)
PR: POT 3003. An analysis of how relationships of social identity and difference become the basis of social, political and economic inequality in modern society. It incorporates both contemporary and "classical" discussions of inequality.

POT 4938 SELECTED TOPICS IN POLITICAL THEORY (3)
Selected topics or thinkers in political theory.

POT 5626 ISSUES IN POLITICAL PHILOSOPHY AND LAW (3)
PR: Graduate or senior standing and CI. Selected topics in political philosophy and law. May be repeated as topics vary.

PUP 3313 BLACKS IN THE AMERICAN POLITICAL PROCESS (3)
An examination of the political experience of Blacks in the American political process including their political socialization, and struggle to become effective participants in the American political process. (May also be taken for credit in Africana Studies.)

PUP 4002 PUBLIC POLICY (3)
Examines the formation and implementation of public policy in areas such as the economy, health, etc.

PUP 4203 ENVIRONMENTAL POLITICS AND POLICY (3)
Examines the politics of environmental issues, formation and implementation of environmental policy.

PUP 4323 WOMEN AND POLITICS - SS (3)
An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. (May also be taken for credit in Women's Studies.)

PUP 5607 PUBLIC POLICY AND HEALTH CARE (3)
The study of health care policy as it relates to the policy process in the American setting.

URP 4050 CITY PLANNING AND COMMUNITY DEVELOPMENT (3)
An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.

Psychology

CBH 4004 COMPARATIVE PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. The study of differences in behavior, similarities, and differences in capacities for environmental adjustment and for behavioral organization among important types of living beings.

CLP 3003 PSYCHOLOGY OF ADJUSTMENT - SS (3)
Genetic, organic, and learned factors involved in the processes of personal adjustment: applications of mental health principles to everyday living. Not for major credit.

CLP 4143 ABNORMAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Descriptions, theoretical explanations, research evidence, and treatment of maladaptive behavior.

CLP 4414 BEHAVIOR MODIFICATION (3)
PR: PSY 3213 with a grade of C or better or CI. Introduction to behavior analysis, and application of learning principles, behavioral measurement, research designs, and interventions in treatment settings.

CLP 4433 PSYCHOLOGICAL TESTS AND MEASUREMENT (3)
PR: PSY 3213 with a grade of C or better or CI. A consideration of the instruments for intellectual and personality assessment including their applications, development, and potential abuses. Students may not receive credit for both CLP 4433 and EDF 4430.

DEP 3103 CHILD PSYCHOLOGY - SS (3)
Developmental and psychosocial aspects of childhood, including hereditary, maturation, psychological, and social determinants of child behavior. Not for major credit.

DEP 4005 DEVELOPMENTAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of human development.

DEP 4135 PSYCHOLOGY OF LANGUAGE DEVELOPMENT (3)
PR: PSY 3213 with a grade of C or better or CI. Available both to majors and non-majors. Surveys the course of and processes underlying normal language development. Presents data and theory on phonological, semantic, syntactic, and pragmatic development.

EXP 4104 SENSORY PROCESSES (3)
PR: PSY 3213 with a grade of C or better or CI. Available to both majors and non-majors. Psychophysical and neurophysiological data and theory underlying sensory processes. Visual, auditory, chemical, and somatosensory systems, with particular emphasis on visual processes.

EXP 4204C PERCEPTION (3)
PR: PSY 3213 with a grade of C or better or CI. Topics include sensory and physiological bases of perception and how people process relevant information in their environments.

EXP 4304 MOTIVATION (3)
PR: PSY 3213 with a grade of C or better or CI. A survey of motivational processes and mechanisms from physiologica and psychological viewpoints.

EXP 4404 PSYCHOLOGY OF LEARNING (3)
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in conditioning and instrumental learning.

EXP 4523C COGNITIVE PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations of human learning, information processing, verbal learning, and judgment and decision-making.

EXP 4640 PSYCHOLOGY OF LANGUAGE (3)
Historical survey of relations between psychology and linguistics leading to the emergence of psycholinguistics as a field of study. Current status of theory and research in the field.

GEO 4610 PSYCHOLOGY OF AGING (3)
A comprehensive overview of psychological aspects of aging. Topics will include age-related changes in sensation/perception, cognition, and personality, as well as application to late-life psychopathology. (Also offered under Gerontology.)

INP 4191 APPLIED PSYCHOLOGY - SS (3)
The application of psychological principles and the functions of psychologist in education, government, industry, and clinical practice.

INP 4004 INDUSTRIAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, decision-making.

PPE 4004 PERSONALITY (3)
PR: PSY 3213 with a grade of C or better or CI. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.

PSB 4013C PHYSIOLOGICAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous system and theory of brain functions.

PSY 2012 AN INTRODUCTION TO CONTEMPORARY PSYCHOLOGY - SS (3)
A broad survey of psychology for both majors and non-majors with special emphasis on the more applied areas of psychology (e.g., social psychology, abnormal psychology, personality, and developmental psychology.)

PSY 3022 CONTEMPORARY PROBLEMS IN PSYCHOLOGY - SS (3)
The content of this course varies depending on the needs and interest of students and faculty. Offerings include in-depth coverage of specialized aspects of psychology applied to contemporary problems not studied in general introductory courses.

PSY 3044 EXPERIMENTAL PSYCHOLOGY - SS (3)
PR: PSY 3012 or CI. Designed as an in-depth examination
of the basic principles and concepts of psychological science. Extensive coverage will be given to the areas of learning, perception, physiological psychology, and cognition.

PSY 3213 RESEARCH METHODS IN PSYCHOLOGY (4)
PR: PSY 3044 or CI. This course considers the logic of experimental design, concept of control and the analysis of experimentally obtained data. The laboratory section provides experience applying the concepts discussed in lecture. Two lectures plus two-hour lab. May be taken concurrently with PSY 3044.

PSY 4205 EXPERIMENTAL DESIGN AND ANALYSIS (3)
PR: PSY 3213 with grade of C or better or CI. Detailed coverage of those research designs and statistical techniques having the greatest utility for research problems in psychology. Emphasis on topics from analysis of variance.

PSY 4604 HISTORY AND SYSTEMS OF PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

PSY 4913 DIRECTED STUDY (1-3)
PR: Upper-level standing, psychology major and CI. The student plans and conducts an individual research project or program of directed readings under the supervision of a faculty member. (S/U Only.)

PSY 4931 SELECTED TOPICS: SEMINAR (3)
PR: Upper-level standing, psychology major and CI. Graduate-type seminar designed to provide the advanced undergraduate student with an in-depth understanding of a selected sub-area within psychology. May be repeated with a maximum of six (6) hours credit for the major.

PSY 4932 HONORS SEMINAR (3)
PR: Admission to honors program in psychology and CI. The student, under supervision of a faculty member, will formalize, conduct, analyze, and report in writing a research project in psychology. May be repeated with a maximum of 6 hours credit. May not count for major credit.

PSY 4970 HONORS THESIS (1-3)
PR: Admission to honors program in psychology and CI. The student under supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in psychology. May be repeated with a maximum of 6 credit hours.

SOP 3742 PSYCHOLOGY OF WOMEN -SS (3)
An examination of theories of female personality in historical perspective. Current research on sex differences, socialization, sexuality, psychology of reproduction. Emerging roles of women as related to social change and developmental tasks of the life cycle. (Also offered under Women’s Studies.)

SOP 4004 SOCIAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of an individual's behavior as it is affected by others.

SOP 4714C ENVIRONMENTAL PSYCHOLOGY (3)
PR: PSY 3213 with a grade of C or better or CI. Explores the influences of environment on behavior. Topics considered include crowding, privacy, territorial behavior, environmental design, and pollution effects. Designed for both psychology majors and non-majors.

Public Administration

PAD 3003 INTRODUCTION TO PUBLIC ADMINISTRATION -SS (3)
Examination of organizational behavior and change, policy process, public management, financial administration, and personnel management from the perspective of public and social delivery.

PAD 3004 PUBLIC FINANCIAL ADMINISTRATION (3)
Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

Rehabilitation and Mental Health Counseling

RCS 5035 REHABILITATION COUNSELING: CONCEPTS AND APPLICATIONS (3)
PR: CC. Introduction to the profession of Rehabilitation Counseling and current issues in the field. Coverage includes rehabilitation history, legislation, case management and related services for Americans with disabilities.

RCS 5080 MEDICAL ASPECTS OF DISABILITY (3)
A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicaps, physical and mental, to rehabilitation and mental health programming.

RCS 5084 FOUNDATIONS OF MENTAL HEALTH COUNSELING (3)
A skill-building course on the utilization of one's self in mental health counseling relationships. Includes the study of the origin, history, professional functions, and current issues in the discipline of mental health counseling.

RCS 5406 HUMAN GROWTH AND DEVELOPMENT (3)
Human development theory as applied in psychotherapy and case management rehabilitation, mental health, and addiction settings.

RCS 5450 SUBSTANCE ABUSE (3)

RCS 5700 LEGAL, ETHICAL, PROFESSIONAL STANDARDS AND ISSUES IN COUNSELING (3)
An overview of all aspects of professional functioning including history, roles, organizational structures, ethics, standards, and credentialing. Contemporary and developing issues in the field of professional counseling will also be addressed.

RCS 5905 DIRECTED STUDIES (1-4)
PR: CI. Supervised rehabilitation studies under the direction of a faculty member. Rpt. to 8 hours.
REL 3303 COMPARATIVE RELIGION: JUDAISM AND ISLAM - XMW  
Comparing Judaism and Islam through the study of the classical documents of the legal system of the two religions. A large-scale labor of comparison and contrast: how are Judaism and Islam alike? how are they different? what do we learn from the likeness? what do we learn from the difference? Issues of borrowings and dependence are not addressed, the two systems being described, analyzed, and interpreted as if they were written independently.

REL 3310 WORLD RELIGIONS  
An introduction to and a comparison of the ideas, the literature and institutions of the major religions of the world, including Judaism, Christianity, Islam, Hinduism, Taoism, Confucianism, and Buddhism from the Far East. General comparison of Western and Eastern beliefs.

REL 3330 THE RELIGIONS OF INDIA - AF - SS  
All religions of the world came to India and all became

REL 3346 THE RELIGIOUS QUEST IN CONTEMPORARY FILMS - 6A - SS - HP  
This course will use contemporary films such as Gandhi, Midnight Express, Godfather, and Lord of the Rings. Class discussions will focus on the ways in which cinema addresses, the two systems being described, analyzed, and interpreted as if they were written independently.

REL 3347 NATIVE AMERICAN RELIGIONS  
A variety of multiplicity of perspectives, including anthropological, historical, sociological, and philosophical.

REL 3348 WOMANIST VISION IN RELIGION - XMW  
This course examines the works of Black Womanist writers in religion for their contributions to and insights into the phenomenon of religion in America and the world.

REL 3350 RELIGION AND THE MEANING OF LIFE - 6A - XMW  
What is the meaning of life? An exploration of answers to this question in Eastern and Western religions, and in humanistic philosophies of life.

REL 3355 LIFE AFTER DEATH - 6A  
An exploration of ideas about life after death and its relations to this life, in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3370 RELIGION, ETHICS AND SOCIETY THROUGH FILM - 6A - HP - SS  
An ethical analysis of contemporary social issues through contemporary films, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation after Auschwitz and Hiroshima.

REL 3380 BIBLICAL ARCHAEOLOGY - XMW  
An in-depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3383 INTRODUCTION TO RELIGION  
This course examines the phenomena of religion to answer the question: Religion, what is it? Religious thought (mythology and theology) and religious behavior (ritual and morality) are closely examined. This is a required course for majors in the Minor in Religious Studies.

REL 3384 COMEDY, TRAGEDY, AND RELIGION - 6A - XMW  
Examines the visions of life in comedy and tragedy, and relates both to the major world religions.

REL 3385 RELIGION IN AMERICA  
To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration: the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3386 INTRODUCTION TO WORLD RELIGIONS - 6A - HP  
A large-scale labor of comparison and contrast: how are Judaism and Islam alike? how are they different? what do we learn from the likeness? what do we learn from the difference? Issues of borrowings and dependence are not addressed, the two systems being described, analyzed, and interpreted as if they were written independently.

REL 3389 RELIGION IN AMERICA  
To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration: the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3390 COMPARATIVE RELIGION: JUDAISM AND ISLAM - XMW  
Comparing Judaism and Islam through the study of the classical documents of the legal system of the two religions. A large-scale labor of comparison and contrast: how are Judaism and Islam alike? how are they different? what do we learn from the likeness? what do we learn from the difference? Issues of borrowings and dependence are not addressed, the two systems being described, analyzed, and interpreted as if they were written independently.

REL 3391 WORLD RELIGIONS  
An introduction to and a comparison of the ideas, the literature and institutions of the major religions of the world, including Judaism, Christianity, Islam, Hinduism, Taoism, Confucianism, and Buddhism from the Far East. General comparison of Western and Eastern beliefs.

REL 3393 THE RELIGIOUS QUEST IN CONTEMPORARY FILMS - 6A - SS - HP  
This course will use contemporary films such as Gandhi, Midnight Express, Godfather, and Lord of the Rings. Class discussions will focus on the ways in which cinema addresses, the two systems being described, analyzed, and interpreted as if they were written independently.

REL 3394 WOMANIST VISION IN RELIGION - XMW  
This course examines the works of Black Womanist writers in religion for their contributions to and insights into the phenomenon of religion in America and the world.

REL 3395 RELIGION AND THE MEANING OF LIFE - 6A - XMW  
What is the meaning of life? An exploration of answers to this question in Eastern and Western religions, and in humanistic philosophies of life.

REL 3396 LIFE AFTER DEATH - 6A  
An exploration of ideas about life after death and its relations to this life, in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3397 RELIGION, ETHICS AND SOCIETY THROUGH FILM - 6A - HP - SS  
An ethical analysis of contemporary social issues through contemporary films, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation after Auschwitz and Hiroshima.

REL 3400 BIBLICAL ARCHAEOLOGY - XMW  
An in-depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3403 INTRODUCTION TO RELIGION  
This course examines the phenomena of religion to answer the question: Religion, what is it? Religious thought (mythology and theology) and religious behavior (ritual and morality) are closely examined. This is a required course for majors in the Minor in Religious Studies.

REL 3404 COMEDY, TRAGEDY, AND RELIGION - 6A - XMW  
Examines the visions of life in comedy and tragedy, and relates both to the major world religions.

REL 3405 RELIGION IN AMERICA  
To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration: the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3406 INTRODUCTION TO WORLD RELIGIONS - 6A - HP  
A large-scale labor of comparison and contrast: how are Judaism and Islam alike? how are they different? what do we learn from the likeness? what do we learn from the difference? Issues of borrowings and dependence are not addressed, the two systems being described, analyzed, and interpreted as if they were written independently.

REL 3407 RELIGION AND THE MEANING OF LIFE - 6A - XMW  
What is the meaning of life? An exploration of answers to this question in Eastern and Western religions, and in humanistic philosophies of life.

REL 3408 LIFE AFTER DEATH - 6A  
An exploration of ideas about life after death and its relations to this life, in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3409 RELIGION, ETHICS AND SOCIETY THROUGH FILM - 6A - HP - SS  
An ethical analysis of contemporary social issues through contemporary films, drawing on religious narrative traditions from Eastern and Western cultures which have contributed to the development of an ethic of human dignity, human rights and human liberation after Auschwitz and Hiroshima.

REL 3410 BIBLICAL ARCHAEOLOGY - XMW  
An in-depth examination of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3413 INTRODUCTION TO RELIGION  
This course examines the phenomena of religion to answer the question: Religion, what is it? Religious thought (mythology and theology) and religious behavior (ritual and morality) are closely examined. This is a required course for majors in the Minor in Religious Studies.

REL 3414 COMEDY, TRAGEDY, AND RELIGION - 6A - XMW  
Examines the visions of life in comedy and tragedy, and relates both to the major world religions.

REL 3415 RELIGION IN AMERICA  
To examine the movement from state church to pluralism in American religious institutions, the religious results of non-Protestant immigration: the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.
Indian. What is this "Indianess" which stems from Hinduism, Buddhism, and Sikhism? The course will examine the development of Hinduism, Buddhism, and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism and Baha'i. Readings from classical texts and modern literature.

REL 3376 ISLAM IN THE MODERN WORLD (3)
Examines the major developments in Islamic thought since the 13th century, with emphasis on the 19th and 20th century Islamic resurgence. Issues of diversity, gender, and social values will be stressed.

REL 3375 ISSUES IN CARIBBEAN RELIGIONS -XMW (3)
This course examines major social and cultural issues in Caribbean religions mainly in Cuba, Haiti, Jamaica, and Trinidad, with emphasis on African-derived religions such as Santeria, Voodoo, Obeah, Revivalism, Rastafari, and encounters with Western and Eastern religions of Christianity, Islam, Hinduism.

REL 3420 CONTEMPORARY RELIGIOUS THOUGHT (3)
An examination of the central ideas of recent theological thinkers; such as men as Barth, Brunner, Bultmann, Bonhoeffer, Rahner, Tillich, Cox, Altizer, Buber, Niebuhr.

REL 3550 ROMAN CATHOLICISM -6A -XMW (3)
An examination of the history, doctrine, and ethics of the Roman Catholic Church.

REL 3607 INTRODUCTION TO JUDAISM -6A -AF (3)
An introduction to Judaism: its religious tenets; its codes of ethics; its rites and customs. This course is intended as a description of what it means to be a Jew.

REL 3602 CLASSES OF JUDAISM -6A (3)
PR: One course in Religious Studies. How to read the principal documents of Judaism beyond the Old Testament, particularly the Mishnah, Talmuds, and Midrash.

REL 3613 HISTORY OF JUDAISM (3)
A study of the evolution of the religion of ancient Israel from the Exodus to the end of the second century of our era, seen against the background of its historical, geographical, political, social and spiritual setting.

REL 3613 MODERN JUDAISM (3)
A study of Jewish life in the West since 1789, emphasizing Jewish beliefs, practices, and institutions.

REL 3700 INTRODUCTION TO ISLAM -6A -XMW (3)
This course introduces the basic elements of Islamic belief and practice, placing the rise of Islam in its historical context in the Middle East, and stressing issues of diversity (including ethnicity and gender).

REL 3900 DIRECTED READINGS (1-4)
PR: CI. Individual guidance in concentrated reading on a selected topic.

REL 3921 COLLOQUIUM (1)
This colloquium will be held in order to bring all religious studies faculty and undergraduate majors together to discuss research of a particular faculty member, student, or guest scholar. May be repeated up to 3 semester hours. (S/U only.)

REL 3936 SELECTED TOPICS (3)
PR: CI. Course contents depend on students' needs.

REL 4113 THE HERO AND RELIGION -XMW (3)
An analysis of the ways in which embedded religious models help to fashion the representation of an heroic protagonist. The focus of the course will be on the relationship between the hero and the "other," as differentiated by race, gender, ethnicity, or merely inner being.

REL 4133 MORMONISM IN AMERICA (3)
A study of Mormonism as an example of a new religion. Includes the study of history, myths and symbols, texts, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 4161 RELIGION, TECHNOLOGY AND SOCIETY (3)
An exploration of the way in which religion and technology have interacted in Western civilization so as to both express and transform human values and identity. Special emphasis will be given to the value questions raised by modern technology.

REL 4171 CONTEMPORARY CHRISTIAN ETHICS -6A (4)
PR: Jr. standing or CI. This course will survey several major approaches to contemporary Christian ethics and their application to a number of ethical issues peculiar to the personal and social life in contemporary society.

REL 4193 COMPARATIVE MYSTICISM (4)
A course designed to acquaint the student with the nature of mystical experience, and some of the various forms of mystical experience recorded in the writings of the mystics.

REL 4211 WHO WROTE THE BIBLE? (GENESIS-KINGS) -6A -XMW -XLW (4)
A critical examination of Genesis through 2 Kings. This course focuses on the history of the formation of the text and the development of the religious traditions represented therein. Special attention will be paid to Israelite Law, Covenant Theology, and the history of the religion(s) of Israel in their Ancient Near Eastern context.

REL 4224 HEBREW BIBLE II/PROPHETS AND WRITINGS (4)
PR: REL 3210 or REL 4221 or CI. An investigation of the prophetic movement and the historical and critical writings in Israel from the point of view of theological developments, history presupposed, and the religious institutions depicted. Special attention is given to a theme such as Job and the problem of evil.

REL 4244 NEW TESTAMENT I: GOSPELS, ACTS (4)
An exploration of the Gospels and Acts, including their backgrounds in Judaism and pagan religion, literary and form criticism, historical Jesus research, and the social history of earliest Christianity.

REL 4250 JESUS' LIFE AND TEACHINGS (4)
PR: CI. An examination of the various historical studies made in the quest of identifying Jesus as an historical figure. The concern is to make a reasonable assessment of who Jesus was and what he was saying to the Jews in Palestine at the beginning of the common era.

REL 4252 NEW TESTAMENT II: THE LETTERS OF PAUL AND OTHER NEW TESTAMENT WRITINGS (4)
PR: REL 4244 or REL 3240 or CI. An investigation of the phenomenon of earliest Christianity in its Pauline and non-Pauline forms, particularly as reflected in Paul's letters and in other writings of the New Testament. Special attention is given to the program of Apocalyptic, as in the book of Revelation.

REL 4333 HINDUISM (4)
The philosophy of the saints; the complex rituals of the Brahmans; the art of its temples; the psychology and physiology of yoga; the social rigidity of the caste system; the esoteric science of meditation; the ascetic activism of Mahatma Gandhi—all of these are Hinduism, and more. Close readings of classical texts, philosophic systems and medieval poems.

REL 4343 BUDDHISM IN INDIA, SRI LANKA, AND SOUTH EAST ASIA (4)
The life and teachings of the Buddha; the order of monks and nuns; the Buddhist Emperor Ashoka; schisms; the rise of the Great Vehicle and the philosophy of emptiness; Buddhist missions; Buddhist art and culture; Buddhism and national liberation; contemporary social and political issues.

REL 4344 BUDDHISM IN CHINA, JAPAN, AND TIBET (4)
Mahayana Buddhism followed the silk routes to China and Japan, and later it crossed the Himalayas into Tibet. An overview of the variety of schools and practices of Buddhism and its adaptation by these ancient cultures.

REL 4508 FROM MYTH TO CHRISTIANITY (4)
Study of the religions/mythologies of the ancient Middle East and Eastern Mediterranean and how their influences shaped the theology and practices of Christianity up to the end of the fourth century; influences many of which conclude to be evident in the traditional Roman and Eastern Orthodox churches.

REL 4596 REASON IN RELIGION: TALMUDIC LOGIC (4)
Analyzes the modes of thought and of logical analysis of the Talmud of Babylonia; the way in which applied logic and practical reason worked in a religious definition of the social order; the dialectical argument.
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>REL 4670</td>
<td>JUDAISM AND CHRISTIANITY AFTER THE HOLOCAUST -6A -XMW -XLW</td>
<td>(4)</td>
<td>This course will explore the impact of the Holocaust on Jewish and Christian thought and identity in the light of the history of religious and cultural anti-semitism in Western civilization.</td>
</tr>
<tr>
<td>REL 4910</td>
<td>UNDERGRADUATE RESEARCH</td>
<td>(1-4)</td>
<td></td>
</tr>
<tr>
<td>REL 4931</td>
<td>SEMINAR IN RELIGION</td>
<td>(3)</td>
<td>A course designed for students, especially Religious Studies majors, whose prior religious studies have prepared them for a cooperative creative and/or research effort in the area of religion. This is a required course for majors and minors.</td>
</tr>
<tr>
<td>REL 4936</td>
<td>SELECTED TOPICS</td>
<td>(1-4)</td>
<td>PR: Junior standing and CI. Individual investigations with faculty supervision.</td>
</tr>
<tr>
<td>REL 4939</td>
<td>THE DEVELOPMENT OF RELIGIOUS STUDIES</td>
<td>(3)</td>
<td>Course designed for senior majors (and minors) in religious studies to complement REL 4931 (Senior Seminar). Discussion of key figures and methodological advances in the development of the field from the 18th century to present, with readings of classics in the development. This is a required course for majors and minors.</td>
</tr>
<tr>
<td>SYW 3010</td>
<td>CLASSICAL THEORY</td>
<td>(3)</td>
<td>PR: SYG 2000 or CI. The analysis of the philosophical foundations, central principles, and historical development of sociological theory. Required for Sociology majors and minors.</td>
</tr>
<tr>
<td>SOW 3100</td>
<td>HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I</td>
<td>(4)</td>
<td>PR: All pre-core and foundation courses. CR: SOW 4522 and SOW 4341. Restricted to Social Work majors, others by School permission. Integrating human behavior-social environment course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with individuals.</td>
</tr>
<tr>
<td>SOW 3102</td>
<td>HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II</td>
<td>(4)</td>
<td>PR: SOW 3101, SOW 4341 and SOW 4522. CR: SOW 4343 and SOW 3401. Restricted to Social Work majors, others by School permission. Integrating course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with families, groups, organizations, and communities.</td>
</tr>
<tr>
<td>SOW 3203</td>
<td>THE AMERICAN SOCIAL WELFARE SYSTEM -SS (3)</td>
<td></td>
<td>A general education introductory course which provides students with a framework for understanding the historical development of American social welfare, its value base, and its response to minorities, women, children, the elderly, and the disabled.</td>
</tr>
<tr>
<td>SOW 3302</td>
<td>INTRODUCTION TO SOCIAL WORK</td>
<td>(3)</td>
<td>An introductory course tracing the development of social work as a profession including an examination of the knowledge, skill and attitudinal base of the profession and professional roles and functions.</td>
</tr>
<tr>
<td>SOW 3401</td>
<td>RESEARCH AND STATISTICS FOR SOCIAL WORK</td>
<td>(4)</td>
<td>PR: SOW 3101, SOW 4341 and SOW 4522. CR: SOW 3102 and SOW 4343. Restricted to Social Work majors, others by School permission. The purpose of this course is twofold: to familiarize the student with research as it is practiced in the profession of Social Work; and to equip the student with those theoretical understandings necessary to be a critical consumer of social work research.</td>
</tr>
<tr>
<td>SOW 3433</td>
<td>SOCIAL WELFARE: POLICY &amp; PROGRAM</td>
<td>(4)</td>
<td>PR: SOW 3101, SOW 4341, SOW 4522, SOW 3102, SOW 4343 and SOW 3401. CR: SOW 4510 and SOW 4510L. Restricted to Social Work majors, others by School permission. An advanced policy course taking an analytical approach to contemporary social welfare policy issues and current social welfare programs.</td>
</tr>
<tr>
<td>SOW 4341</td>
<td>MULTI-METHODS OF SOCIAL WORK PRACTICE I: MICRO-SYSTEM INTERVENTION</td>
<td>(5)</td>
<td>CR: SOW 3101; SOW 4522. Restricted to Social Work majors; others by School permission. First practice course emphasizing development of skills and interventive methods with individuals, families and small groups. Course includes both didactic and experiential learning components.</td>
</tr>
<tr>
<td>SOW 4343</td>
<td>MULTI-METHODS OF SOCIAL WORK PRACTICE II: MACRO-SYSTEM INTERVENTION</td>
<td>(5)</td>
<td>PR: All pre-core courses. SOW 4341, SOW 4522, and SOW 3101. CR: SOW 3401 and SOW 3102. Restricted to Social Work majors, others by School permission. Second practice course emphasizing intervention at the community and organizational level. Builds upon theoretical and practical content of SOW 4341. Course includes both didactic and experiential learning components.</td>
</tr>
<tr>
<td>SOW 4510</td>
<td>INTEGRATIVE SEMINAR</td>
<td>(3)</td>
<td>PR: Completion of all social work core courses except SOW 4233. CR: SOW 4510L. Restricted to social work majors in Senior year. An integrated practice seminar which constitutes the third and final course in the practice sequence.</td>
</tr>
<tr>
<td>SOW 4510L</td>
<td>FIELD PLACEMENT</td>
<td>(6)</td>
<td>PR: Completion of all social work core courses except SOW 4233. CR: SOW 4510. Restricted to social work majors in Senior year. Supervised field placement in a social welfare organization consisting of 32 hours per week in the field. (SU only.)</td>
</tr>
<tr>
<td>SOW 4522</td>
<td>MULTICULTURAL AMERICA</td>
<td>(3)</td>
<td>PR: SOW 3203, SOW 3302. CR: SOW 3101, SOW 4341. The course focuses on the students' understanding of multicultural and intergenerational issues.</td>
</tr>
<tr>
<td>SOW 4590</td>
<td>DIRECTED RESEARCH</td>
<td>(1-9)</td>
<td>PR: Completion of four social work courses including SOW 3401, upper level standing, and School permission. Content dependent upon student interest and ability. A contract will be jointly developed by student and instructor specifying nature of work to be completed. May be repeated up to 6 credit hours.</td>
</tr>
<tr>
<td>SOW 4910L</td>
<td>RESEARCH METHODS</td>
<td>(1-6)</td>
<td>PR: Completion of four social work courses including SOW 3401, upper level standing and School permission. Directed Research is intended to provide students with research experience in areas of specific interest in social work. A contract will be developed between student and instructor specifying the nature of work to be completed. Majors only.</td>
</tr>
<tr>
<td>SOW 4930C</td>
<td>SELECTED TOPICS IN SOCIAL WORK</td>
<td>(1-4)</td>
<td>Restricted to Social Work majors, both graduate and undergraduate; others by School permission. Course is taken as an elective. Variable title courses will selectively expand specific social work content areas. May be repeated in varying topic areas.</td>
</tr>
<tr>
<td>SYA 3010</td>
<td>CLASSICAL THEORY</td>
<td>(3)</td>
<td>PR: SYG 2000 or CI. The analysis of the philosophical foundations, central principles, and historical development of sociological theory. Required for Sociology majors and minors.</td>
</tr>
<tr>
<td>SYA 3015</td>
<td>CONTEMPORARY THEORY</td>
<td>(3)</td>
<td>PR: SYA 3010 and SYG 2000 or CI. An examination of recent trends in sociological theory. Emphasis is on theories examining symbolic interactions, lived experience, popular culture, and social structures.</td>
</tr>
<tr>
<td>SYA 3300</td>
<td>RESEARCH METHODS</td>
<td>(3)</td>
<td>PR: STA 2122 or its equivalent. Introduction to the scientific method and its application to social science research.</td>
</tr>
</tbody>
</table>
Research design, sampling techniques, and critical evaluation of research. Required for Sociology majors.

SYA 3310 QUALITATIVE INQUIRY -6A-XLW (4)
PR: SYG2000 or Cl. Exploration of human relationships and behaviors, organizations, and the larger culture through research techniques such as interviews, participant observation, life histories, and narratives. Permit required.

SYA 4430 COMPUTERS IN THE SOCIAL SCIENCES (3)
Introduction to the uses of computers in sociological research. Major emphasis is upon the use of statistical packages (principally SPSS) in data analysis.

SYA 4910 INDIVIDUAL RESEARCH (1-3)
Four courses in sociology, including SYA3300, upper level standing, at least a 3.0 overall GPA, or Cl. Content depends on the interest of the student. A contract between the student and the sponsoring faculty member must be signed before class registration. May be repeated for credit. Up to 3 credits may count toward the minimum requirements for sociology credits for majors or minors. Permit required.

SYA 4930 TOPICS IN SOCIOLOGY (3)
Selected specialized topics in sociology. Topics such as AIDS in society, drugs in society, problems in education, sociology of childhood, public life, sexualities, socio-biology. Content will vary by semester and by section. See class schedule for specific contents each semester. This course, in different content areas, may be repeated for credit.

SYA 4935 SENIOR SEMINAR -XMW (3)
PR: Senior standing, SYG2000, SYA3010, SYA3300 plus 6 hours of sociology electives. The opportunity for senior Sociology majors to apply theory and methods to a selected topic of concern in today's society. Topic changes by instructor. Majors only. Permit required.

SYA 4949 SOCIOLOGICAL INTERNSHIP (1-6)
PR: Senior or graduate standing in Sociology plus Cl. Supervised placement in community organization or agency for a minimum of 10 hours of volunteer work per week, and a weekly seminar on applying sociological skills and methods in the placement setting. May be repeated for up to 6 credit hours. (S/U only)

SYD 3441 PEASANT PERSPECTIVES - AF (3)
PR: SYG2000 or 6 hours of other Social Science Gen. Ed. coursework or Cl. Examines the applicability of sociological concepts to peasant life around the world, and explores the roles played by "western" societies in creating and sustaining the conditions under which peasants live.

SYD 3700 RACIAL AND ETHNIC RELATIONS -SS -HP (3)
PR: SYG2000 or Cl. Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4020 GLOBAL POPULATION (3)
PR: SYG2000 or Cl. Upper level standing. Sociological determinants of fertility, mortality and migration; theories of population change.

SYD 4410 URBAN SOCIOLOGY (3)
Upper-level standing. The social structure of the community in modern industrial societies. Analysis of community change.

SYD 4800 GENDER AND SOCIETY (3)
Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (Also offered under Women’s Studies).

SYG 2000 INTRODUCTION TO SOCIOLOGY -SS (3)
An introduction to sociological perspectives and methods and the basic areas of sociological interests such as socialization, gender, race and ethnic relations, deviance, social control, and social stratification. Required for Sociology majors and minors.

SYG 2010 CONTEMPORARY SOCIAL PROBLEMS -SS (3)
The analysis of social causes and dimensions of major public issues such as crime, the environment, inequality, gender, employment, and substance abuse.

SYG 2412 MARRIAGE (3)
Study of pre-marital relations. Social, cultural, and personal factors related to success and failure in mate selection and marriage. Does not count for Sociology major credit.

SYG 3120 SOCIOLOGY OF FAMILIES (3)
With a goal to understand American families in the present, this course will examine variations in family types by social class, race, ethnicity, and historical era. Exploration of current controversies about how families should be organized and about what they should do for their members as well as social policies related to families.

SYO 3200 SOCIOLOGY OF RELIGION (3)
PR: SYG2000 or Cl. An examination of the meanings of religion in lived experiences in the contemporary United States. Includes the construction and maintenance of religious meanings and communities, the impact of those meanings and communities on daily lives, use and impact of religious discourse in daily lives, social movements motivated by religious beliefs.

SYO 3260 LATINAS LIVES (3)
An exploration of the experiences of Latinas in the United States. Uncover and examine such sociological themes as oppression, migration, work, family, activism, spirituality, and sexuality through short stories, poetry, and scholarly research.

SYO 3500 SOCIAL ORGANIZATION (3)
PR: SYG2000 or Cl. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SYO 3530 POVERTY, INEQUALITY AND STRATIFICATION (3)
PR: SYG2000 or Cl. Social status and social stratification, social class as a factor in behavior, social mobility.

SYO 4300 POLITICAL SOCIOLOGY (3)
PR: SYG2000 or Cl. An examination of the social factors that affect government, politics, and political behavior.

SYO 4370 OCCUPATIONS AND PROFESSIONS (3)
PR: SYG2000 or Cl. A comparative analysis of professions, particularly medicine, law, teaching, allied health professions, engineering. Focus on the process of professionalizing service occupations like police work, business management, public administration and social work.

SYO 4400 MEDICAL SOCIOLOGY (3)
PR: SYG 2000 or Cl. The study of disease and the sick person including the analysis of health practices, beliefs, and practitioners, the hospital as an organization, the cost, financing, and politics of health care.

SYO 4430 DISABILITY & SOCIETY -XMW (3)
PR: SYG2000 or Cl. Examination of the applicability of sociological concepts to the experience of disability, and of disability as a means to a better understanding of the nature of social experience.

SYO 5000 SOCIAL PSYCHOLOGY-SS (3)
An exploration of the social forces that help shape individual perceptions, behaviors, and personality. The study of ways individuals develop identity and self-worth.

SYP 3562 FAMILY VIOLENCE (3)
An exploration of the complexity of the causes and consequences of physical violence, sexual violence among family members. Topics include the meanings and behaviors of violence, the process of help-seeking, and social interventions for offenders and victims. Open to nonmajors.

SYP 4300 COLLECTIVE BEHAVIOR (3)
PR: SYG2000 or Cl. Study of the development of group and mass behavior and social movements.

SYP 4420 CONSUMER CULTURE -XMW -XLW (3)
PR:SYG2000 or Cl. The exploration of how Americans’ purchasing behavior connects to larger historical shifts in our economy, including disenchantment, alienation, inequality, and the rise of the credit card society.
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<tr>
<th>Course Code</th>
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<th>Credits</th>
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<tr>
<td>SYP 4510</td>
<td>SOCIOLOGICAL ASPECTS OF DEVIANCE</td>
<td>3</td>
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<tr>
<td>AMH 3561</td>
<td>AMERICAN WOMEN I</td>
<td>4</td>
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<tr>
<td>AMH 3562</td>
<td>AMERICAN WOMEN II</td>
<td>4</td>
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<tr>
<td>AMS 3370</td>
<td>SOUTHERN WOMEN: MYTH AND REALITY</td>
<td>3</td>
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<tr>
<td>ANT 4302</td>
<td>SEX ROLES IN CROSSCULTURAL PERSPECTIVE</td>
<td>3</td>
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<tr>
<td>COM 4030</td>
<td>WOMEN AND COMMUNICATION</td>
<td>3</td>
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<tr>
<td>PHI 4632</td>
<td>FEMINIST ETHICS -XMW</td>
<td>3</td>
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<tr>
<td>POS 4693</td>
<td>WOMEN AND LAW I</td>
<td>3</td>
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<tr>
<td>POS 4694</td>
<td>WOMEN AND LAW II</td>
<td>3</td>
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<tr>
<td>SYP 4530</td>
<td>SOCIOLOGY OF JUVENILE DELINQUENCY</td>
<td>3</td>
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<td>SYP 4640</td>
<td>LEISURE IN SOCIETY</td>
<td>3</td>
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<tr>
<td>SYP 4650</td>
<td>SPORT IN SOCIETY</td>
<td>3</td>
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<td>WST 3210</td>
<td>WOMEN IN WESTERN CIVILIZATION I</td>
<td>3</td>
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<td>WST 3220</td>
<td>WOMEN IN WESTERN CIVILIZATION II</td>
<td>3</td>
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<tr>
<td>WST 3225</td>
<td>TOPICS IN FEMINIST PHILOSOPHY</td>
<td>3</td>
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<tr>
<td>WST 3010</td>
<td>INTRODUCTION TO WOMEN'S STUDIES -SS -NW</td>
<td>3</td>
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<tr>
<td>WST 3111</td>
<td>ISSUES IN FEMINISM -S</td>
<td>3</td>
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<tr>
<td>PUP 4323</td>
<td>WOMEN AND POLITICS -6A -XMW</td>
<td>3</td>
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<td>REL 3145</td>
<td>WOMEN AND RELIGION -6A</td>
<td>3</td>
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<td>SOP 3742</td>
<td>PSYCHOLOGY OF WOMEN -SS</td>
<td>3</td>
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<td>SPT 2524</td>
<td>WRITERS OF LATIN AMERICA</td>
<td>3</td>
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<tr>
<td>SYP 4510</td>
<td>SOCIOLOGICAL ASPECTS OF DEVIANCE</td>
<td>3</td>
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<tr>
<td>WST 2309</td>
<td>THE FEMALE EXPERIENCE IN AMERICA -HP</td>
<td>3</td>
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<tr>
<td>WST 2389</td>
<td>HUMAN SEXUAL BEHAVIOR -SS</td>
<td>3</td>
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<tr>
<td>WST 3010</td>
<td>INTRODUCTION TO WOMEN'S STUDIES -SS -NW</td>
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<tr>
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<td>WOMEN IN WESTERN CIVILIZATION II</td>
<td>3</td>
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<tr>
<td>WST 3225</td>
<td>WOMEN, ENVIRONMENT AND GENDER -XMW</td>
<td>1-4</td>
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<tr>
<td>WST 3275</td>
<td>WOMEN IN THE DEVELOPING WORLD</td>
<td>3</td>
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<td>WST 3360</td>
<td>MEN AND SEXISM</td>
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<tr>
<td>WST 3440</td>
<td>WOMEN AND SOCIAL ACTION -SS</td>
<td>Course focuses on ordinary women working collectively in diverse social settings to empower themselves and others to challenge gender stereotypes; to reduce harassment, poverty, violence and homelessness; to enhance healthcare and family life and to confront barriers in education, the media and the criminal justice system.</td>
</tr>
<tr>
<td>WST 4260</td>
<td>RESEARCH ISSUES ON WOMEN OF COLOR -6A -XMW</td>
<td>An interdisciplinary introduction to the research process as it has been carried out on women of color nationally and internationally.</td>
</tr>
<tr>
<td>WST 4262</td>
<td>LITERATURE BY AMERICAN WOMEN OF COLOR -6A -XLW</td>
<td>An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicans/U.S. Latinas. Readings will include literature and contextual articles on historical and cultural issues. (May also be taken for credit in English.)</td>
</tr>
<tr>
<td>WST 4263</td>
<td>THIRD WORLD WOMEN WRITERS -6A -XLW</td>
<td>Introduces the literature of women from various anglophone countries in Africa, the Caribbean, and South Asia; some U.S. writers will be included to represent a third world diasporic consciousness. (May also be taken for credit in English.)</td>
</tr>
<tr>
<td>WST 4320</td>
<td>WOMAN'S BODY/WOMAN'S MIND</td>
<td>An analysis of the historical, social and political perspectives of women's health and healing experiences, and how woman's role as patient and provider of care are shaped by public and cultural assumptions.</td>
</tr>
<tr>
<td>WST 4310</td>
<td>FEMINISM IN AMERICA -6A -XMW</td>
<td>A study of feminist critiques of American women's experiences and status, and their implications for women's lives, by 19th- and 20th-century theorists, and how adequately these various critiques address the intersections of gender, class, ethnicity, and race.</td>
</tr>
<tr>
<td>WST 4335</td>
<td>WOMEN AND FILM</td>
<td>A study of representation of women in Hollywood films and the responses of feminist film theorists and filmmakers working in documentary, experimental and narrative modes.</td>
</tr>
<tr>
<td>WST 4350</td>
<td>WOMEN AND SCIENCE -XMW</td>
<td>A study of classic contributions to the elaboration of feminist thought from the 18th century to the present in an attempt to discover the roots of the contemporary feminist movement. (May also be taken for credit in Philosophy.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The natural and physical sciences including: historical participation of women in science, current status of women in science, and feminist critiques of science as a discipline.</td>
</tr>
<tr>
<td>WST 4900</td>
<td>DIRECTED READINGS -1-3</td>
<td>PR: Registration requires instructor's written consent and signed contracts from instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest. May be repeated up to 6 credit hours.</td>
</tr>
<tr>
<td>WST 4910</td>
<td>DIRECTED RESEARCH -1-3</td>
<td>PR: Registration requires instructor's written consent and signed contracts from instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest. May be repeated up to 6 credit hours.</td>
</tr>
<tr>
<td>WST 4930</td>
<td>SELECTED TOPICS -1-4</td>
<td>PR: WST 3010 or CI. Study in special areas such as Women and Work, Reproductive Law, Women and Health.</td>
</tr>
<tr>
<td>WST 4935</td>
<td>SEMINAR IN WOMEN'S STUDIES -3</td>
<td>PR: Women’s Studies Major. Recognizing the interplay between personal connections and intellectual experience, this capstone course is designed to focus on topical areas related to women’s studies and facilitate linking student learning experience to future plans.</td>
</tr>
<tr>
<td>WST 5001</td>
<td>FEMINIST RESEARCH AND METHODOLOGY -3</td>
<td>The main goals of this course are to develop a more comprehensive understanding of the situation of women in society and to develop a theoretical basis for integrating this knowledge into the student's graduate course of study.</td>
</tr>
<tr>
<td>WST 5266</td>
<td>WOMEN OF COLOR: ACTIVISM AND SOCIAL CHANGE -3</td>
<td>Intensive reading and discussion of the participation of women of color in contemporary revolutionary and reformist activities. Class project involvement is required.</td>
</tr>
<tr>
<td>WST 5318</td>
<td>FEMINIST SPIRITUALITY -3</td>
<td>This course will focus on the many voices of contemporary feminist spirituality, emerging from women's experiences in diverse religious, ethnic and cultural traditions, and representing a range of theoretical perspectives from biblical feminism to goddess worship and wicca. (May also be taken for credit in Religious Studies.)</td>
</tr>
<tr>
<td>WST 5934</td>
<td>SELECTED TOPICS -1-4</td>
<td>Study of current research methods and scholarship on women from a multidisciplinary perspective. May be repeated as topics vary. (CI).</td>
</tr>
</tbody>
</table>