The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The essentials of education are a capacity for and an appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a sense of love for learning, and an understanding of the means 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, and the basis from which personal growth occurs. The College of Arts and Sciences takes as its goal a melding of the natural, humanistic and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our universe.

Great universities provide direction for their communities and service for their needs. The faculty of the Arts and Sciences 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 intelligent 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.

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 adviser in his/her major field. Students preparing for a science or mathematics career must plan their courses carefully because of the sequential nature of the science curricula, and students seeking entrance into a professional school or the medical technology internship program require specialized counseling. Therefore, immediate application for admission into the College is strongly recommended.

Information on admission criteria, departments, majors, programs, counseling and other services of the College may be obtained from the Office of Academic Affairs (SOC 102), College of Arts and Sciences, University of South Florida, Tampa, Florida 33620.

CASPER

The College of Arts and Sciences Program for Emergency Relief (CASPER) is the ombudsperson program in the college for freshmen. The CASPER staff is dedicated to assisting freshmen in the college to overcoming academic and personal problems which might contribute to leaving USF during the first year. CASPER also sponsors a social event for freshmen and family in the college to allow time for faculty-student interaction in a non-academic setting. For more information call 974-6957 and ask for CASPER.

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. However, the College of Arts and Sciences does not permit students to count credits earned at another institution toward a degree from USF while on temporary or permanent academic dismissal from 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 2.00. Mass Communications requires 124 hours for the 1987-88 catalog and after.
2. You must have an overall major gpa of 2.75. 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 computation 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)
   Six (6) hours credit in English Composition
   Six (6) hours credit in Quantitative Methods
   Six (6) hours credit in Natural Sciences
   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)
   Six (6) hours credit in Major Works and Major Issues
   Three (3) hours credit in Literature and Writing

   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 (numbered 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 the semester in which you achieve or pass 45 semester hours or in your first term as an upper level transfer student. Only students with a baccalaureate degree or who have a previous exemption do not have to take the test. If not passed by 70 hours, remediation will be required. You may still take the test

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 S (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 toward the drop limitation. After the ninth week or for additional drops students must petition the Academic Regulations Committee (ARC).

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.

19. Do not use this policy as a way to drop classes. Submit a drop slip or drop by telephone. Mandatory First Day Withdrawal 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 with a drop slip or by telephone.

20. 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 grades (transfer and USF) are considered for honors.

21. Courses taken at another institution while a USF student must be approved in advance (Transcript/Cross Enrollment Form). No credit will be given for courses taken at another institution while on dismissal from USF.

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, Mathematics, Philosophy, 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 who major and minor in the social sciences and arts and letters may not use courses in the major for the minor or for general distribution requirements; and (b) ISS majors may not earn a minor in any of the social and behavioral sciences incorporated in their contracts. In some departments, S/U grades within the minor curriculum are not countable. Specific requirements for the different minors appear under the departmental summaries listed under 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 degree. 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.

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, Government & International Affairs, History, Humanities, Independent Studies, Interdisciplinary Social Sciences, International Studies, Liberal Studies, Library and Information Science, Marine Science, Mass Communications, Mathematics, Medical Technology, Modern 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 majors, which are divided into the following departments/programs: Africana Studies, American Studies, Anthropology (ANT), Biology (NSB)*, Chemistry (CHM) (NSC)*, Classics - Latin (CLL) - housed in Division of Languages and Linguistics.

Bachelor of Arts
Africana Studies (AFA)
American Studies (AMS)
Anthropology (ANT)
Biology (NSB)*
Chemistry (CHM) (NSC)*
Classics - Latin (CLL)
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 register as special rather than as degree-seeking students. For more information, contact the Coordinators of Advising in the College office.

Certificate in Latin American and Caribbean Studies

The College of Arts and Sciences offers a Certificate in Latin American Studies for students who wish to gain an intensive multi-disciplinary understanding of this important area.

The Certificate in Latin American and Caribbean Studies is designed for the student who wants to learn more about the region and have that knowledge formally recognized in his or her 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 plus at least 3 hours of relevant foreign language credit. 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 can be taken from a listing of other courses or from one of the four core areas. Students must take at least one of the indicated surveys (*). If ANT 4162 and ANT 4163 are both taken, they will also count as the required survey.

Students must also either demonstrate proficiency in a Latin American or Caribbean language other than English or have completed at least two semesters in that language (e.g., Spanish I and II, and/or Spanish III and IV). It is very strongly recommended that students who already know Spanish learn Portuguese or another Latin American or Caribbean language.

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 consult with the advisor of the Certificate Program about 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 4495 Methods in Cultural Research***

2) Geography/Government & International Affairs
   GEA 3300 Geography of Middle America
   GEA 3400 Geography of Latin America*
   CPO 4930 Latin American Politics*
   LAS 3002 Latin America*
   INR 4931 Americas (TV)*
   INR 4931 Latin America through Film
   CPO 5934 Selected Topics: Latin America

3) History
   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

4) Art/Humanities/Literature
   ARH 4796 Latin American Art
   HUM 4462 Ancient Latin American Culture
   HUM 4464 Latin American Culture Since 1492*
   SPN 3520 Spanish American Civilization*
Certificate in Russian Studies

International Studies-Geography-Philosophy

EUH 3572 Russian History from 1865 to Present (4)
EUH 3571 Russian History to 1865 (4)
ECO 4323 Marxist Political Economy (3)
CPO 3002 Introduction to Comparative Politics (4)

History-Political Science-Economics

RUS 4471 Overseas Study (1-6)
RUS 3470 Overseas Study (1-6)
RUS 2270 Overseas Study (1-6)
RUS 4471 Overseas Study (1-6)

International Studies-Geography-Philosophy

Six to eight hours from the following courses:
EUS 3022 Russia (3)
GEA 3554 Geography of the USSR (4)
INR 3086 Issues in International Relations (3)
INR 3018 World Ideologies (3)
INR 3770 Comparative Military Systems (3)
PHI 4788 The Philosophy of Marxism (3)
INR 4900 Directed Readings (1-4)*
INR 4910 Directed Research (1-4)*
INR 3955 Overseas Study (1-6)*

INR 4931 Selected Topics (1-4)*
*When topic is defined as Russian or directly related area.

Other courses may be substituted for those listed above upon approval of the Russian Studies Coordinator.

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)

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 3433 (4) REL 3444 (3)
REL 4333 (4) REL 4433 (4)

Group B - Geography:
GEA 3194 (4)*

History:
ASH 3404 (4) ASH 3501 (4)

Int'l Studies:
ASN 3012 (3) ASN 3014 (3) ASN 3105 (3)
INR 4900 (1-3)* INR 4910 (1-3)* INR 4931 (1-4)*

Political Science:
CPO 4930 (3)* CPO 5934 (3) INR 5086 (3)
*with approval by the Advisor for the Certificate in Asian Studies

The advisor for the Certificate in Asian Studies is Professor Renu Khator. She may be contacted at SOC 363, 974-5019, and by e-mail: khator@luna.cas.usf.edu.

Special Non-Degree Program

The HUMAN SERVICES courses are designed for students interested in careers in the human sciences and services, and may be taken in conjunction with any major or by special students. These courses are coordinated by the Department of Gerontology, and the courses are listed as:
HUS 3001 HUS 4020 HUS 4100

HEALTH PROFESSIONS

The University of South Florida is an excellent location to prepare for a health profession. The Veterans Administration Hospital, University of South Florida Medical Center, Shriner's Hospital for Crippled Children, H. Lee Moffitt Cancer Center and Research Institute, University of South Florida Mental Health Institute, and University Community Hospital are within walking distance of the campus and offer students excellent opportunities for observation, research, and experience.
The College of Arts and Sciences offers programs designed to prepare students for admission to professional schools of medicine, osteopathic medicine, dentistry, optometry, podiatric medicine, and veterinary medicine. Usually these professions require four years of preprofessional preparation followed by four years of training in a professional school. A few well prepared students with exceptional qualifications may be admitted to some professional schools as early as the completion of the junior year of preprofessional work. The preprofessional programs do not meet requirements for a degree, but students should plan to also complete a degree while at USF because, while not specifying a major, professional schools prefer students with a bachelor’s degree. Most preprofessional students major in the sciences because of their interests in the health sciences, and because of the considerable overlap between the preprofessional curriculum and the degree requirements for majors in the biology and chemistry departments. Entrance into all professional schools or programs is competitive, and students should begin establishing a record of excellence with the first semester at USF. Furthermore, it is essential that students pursue courses leading to a sound understanding of cultural and humane values and basic social problems.

The College of Arts and Sciences provides academic advising in the Health Professions Advising Office. The office maintains a library of current catalogs and books on admission requirements for professional schools and is an important resource center for preprofessional students. Students considering one of the health professions should contact the College of Arts and Sciences during the first semester at USF to declare their interest in a health professions program. Students are then assigned to the Health Professions Advising Office for curriculum planning, and each semester the office provides students with updated academic records. At the time of application to professional schools, students are provided information about admission tests and the application process, and they are assisted in the process of obtaining faculty evaluations.

Pre-dental - Pre-medical - Pre-podiatry Program

This program is 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 2041 (3)
- CHM 2211 (3)
- CHM 2211L (2)

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

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

An early admission program has been established in affiliation with the University of 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 3.4, as computed by the University of Florida; total SAT of no less than 1200, or ACT of no less than 28, or EACT of no less than 29; high school science GPA of no less than 3.0 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 3.2 for all courses attempted and no less than 3.0 for courses in biology, chemistry, physics, and mathematics; and completing the Dental Admissions Test with a score of no less than 15 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 Health Professions Advising Office.

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:**
- MCB 3030C (4)

**Chemistry:**
- CHM 2211 (3)
- CHM 2211L (2)

**Mathematics:**
- MAC 2233 (4)

**Physics:**
- PHY 2053 (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. To be eligible for admission, students must meet all admission requirements for USF, and in addition must have an SAT minimum score of 1100, an ACT minimum of 25 or an EACT minimum of 27; a minimum high school GPA of 3.3; three years of high school science including biology and chemistry; and high school mathematics through algebra and trigonometry. Once admitted to the program students must earn a minimum GPA of 3.0 each term and satisfactorily complete required courses and the Optometry Admissions Test. Students must be Florida residents by the time they enter Nova-Southeastern.

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)
- PCB 3063, 3063L (3,1)

**Chemistry:**
- CHM 2041 (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)
- STA 2023 (4)

**Physics:**
- PHY 2053 (3)
- PHY 2053L (1)
- PHY 2054 (3)
- PHY 2054L (1)
- PHY 2049 (3)
- PHY 2049L (1)
- PHY 2048 (3)
- PHY 2048L (1)

It is required that students have a minimum of 80 hours including 6 hours of English composition, 6 hours of social sciences, 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), PCB 4723, 4723L (3,1).

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### 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 (2.00).  
   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 2041 (3)
     - CHM 2045L (1)
     - CHM 2046 (3)
     - CHM 2046L (1)
     - CHM 2210 (3)
     - CHM 2210L (2)
     - CHM 2211 (3)
     - CHM 2211L (2)
   - **Physics:**
     - PHY 2053 (3)
     - PHY 2053L (1)
     - PHY 2054 (3)
     - PHY 2054L (1)
     - PHY 2049 (3)
     - PHY 2049L (1)
     - PHY 2048 (3)
     - PHY 2048L (1)
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 4723, 4723L (3,1)
   - **Chemistry:**
     - CHM 3120C (4)
   - **Mathematics:**
     - MAC 2233 (4)
     - MAC 2132 (4)

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### Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 2041, 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) 8
    - (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.**

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### 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.

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### B.A. Degree Program for Secondary School Teachers

The College of Arts and Sciences offers degree programs in Mathematics (MAE), in Biology (NSB), in Chemistry (NSC), in Physics (NSP) and 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 the catalog. 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.

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**UNIVERSITY OF SOUTH FLORIDA - 1997/98 UNDERGRADUATE CATALOG**

**COLLEGE OF ARTS AND SCIENCES**

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of this catalog under the respective headings in Biology, Chemistry, Mathematics, and Physics. 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 "Science Education (SCE)" 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)
- AMH 3571 (3)

**Required Electives** (select 21 cr. hours):
- African-American Studies (suggested)
  - AFA 4331 (3) AMH 3571 (3) AMH 3572 (3)
  - AFA 4335 (3) AMH 3571 (3) AMH 3572 (3)
  - AFA 4335 (3) AMH 3571 (3) AMH 3572 (3)
  - AFA 4931 (1-3) HUM 2420 (3)
- African Studies (suggested)
  - AFH 3100 (3) CPO 4204 (3)
  - AFH 3200 (3) INR 4254 (3)
  - AFH 3200 (3) INR 4254 (3)
  - AFH 3200 (3) INR 4254 (3)
  - AFH 3200 (3) INR 4254 (3)
- Africana Studies (suggested)
  - AFA 4331 (3) AMH 3571 (3) AMH 3572 (3)
  - AFA 4335 (3) AMH 3571 (3) AMH 3572 (3)
  - AFA 4335 (3) AMH 3571 (3) AMH 3572 (3)
  - AFA 4931 (1-3) HUM 2420 (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 4150 (3) AMH 3571 (3) INR 4254 (3)
  - AFA 4335 (3) AMH 3571 (3) INR 4254 (3)
  - AFA 4931 (1-3) HUM 2420 (3)
  - AMH 3700 (3) HUM 2420 (3)

**African-American Studies** (Minimum of 18 hours):
- **Required Core Courses** (select 9 cr. hours)
  - AFA 2000 (3) AMH 3571 (3) AMH 3572 (3)
- **Required Electives** (select 9 cr. hours)
  - AFA 4150 (3) AMH 3571 (3) INR 4254 (3)
  - AFA 4335 (3) AMH 3571 (3) INR 4254 (3)
  - AFA 4931 (1-3) HUM 2420 (3)

**African Studies** (Minimum of 18 hours):
- **Required Core Courses** (select 9 cr. hours)
  - AMH 3100 (3) CPO 4204 (3)
  - AMH 3200 (3) INR 4254 (3)
- **Required Electives** (select 9 cr. hours)
  - AFA 4150 (3) CPO 4244 (3) INR 4254 (3)
  - AFA 4931 (1-3) HUM 2420 (3)
  - PHI 4073 (3)

• **Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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. A minimum of 60 semester hours must be completed at the university unless prior approval is secured from the university advisor listed above.

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.

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

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

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

### 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 in an area of their choosing under the guidance of a faculty mentor.

Students majoring in other fields may find anthropology coursework an exciting and valuable supplement to their primary academic interest. A minor in anthropology has been developed with this purpose in mind. The minor program is structured to allow the student maximum flexibility in course selection within a broadly defined progression of anthropological concerns. Thus, the student is able to tailor a minor in anthropology to best suit special wants and needs in the context of an overall curriculum.
The Center for Applied Anthropology is concerned with applying anthropological knowledge, theory, method, and perspectives to problems of contemporary society. Illustrative areas of activity include human services needs assessment, program planning and evaluation, social and environmental impact assessment, and public policy analysis.

• Requirements for the Major in Anthropology

The major in Anthropology consists of a minimum of 33 credit hours. ANT 2000 is prerequisite to all subsequent courses. ANT 3100, ANT 2410, ANT 3511 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.

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)

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)

Anthropology majors are urged to become competent readers and speakers of a relevant foreign language, to acquire communicative and quantitative skills appropriate to their interests, and to achieve at least a minimal level of computer literacy. Exceptions to course prerequisites require the consent of the instructor.

Required Core Courses (21 cr. hrs.)
ANT 2000 (3) ANT 3511 (3) ANT 4034 (3)
ANT 3100 (3) ANT 3610 (3) ANT 4935 (3)
ANT 2410 (3)

• Requirements for the Minor in Anthropology

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

1. 2000-level required core course (3 cr. hrs.)
   ANT 2000 (3)

2. Intermediate level core courses (3-6 cr. hrs.)
   ANT 2410 (3) ANT 3100 (3) ANT 3511 (3)
   ANT 3610 (3)

3. 4000-level elective courses (9-12 cr. hrs.) (as described above)

• Requirements for the Anthropology Honors Program

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

Admission is competitive, based on the student's overall academic record (minimal 3.0 GPA overall, 3.5 GPA for USF 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 4932 (4) (Honors Seminar) with a grade of "B" or better, completion of ANT 4970 (3) (Honors Thesis) with a grade of "S" and completion of all other requirements for graduation. See the Anthropology Department Undergraduate Advisor for further information and application forms.

• Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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 with less than an A.A. degree and have 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.

name of course description

- **Archaeology**
  - ANT 1000
  - ANT 2000
  - ANT 3000

- **Physical Anthropology**
  - ANT 4000
  - ANT 4100

- **Anthropological Linguistics**
  - ANT 5000

- **Cultural Anthropology**
  - ANT 6000
  - ANT 6100

- **Requirements for the Minor in Anthropology**
  - ANT 2000
  - ANT 3000
  - ANT 4000

- **Requirements for the Anthropology Honors Program**
  - ANT 5000

- **Program of Study at a Florida Community/Junior College for Students Planning to Transfer to USF (State Mandated Common Prerequisites)**
  - ANT 1000
  - ANT 2000

- **BACHELOR OF INDEPENDENT STUDIES (BIS)**
  - ANT 3000
  - ANT 4000

- **Curriculum**
  - ANT 5000
  - ANT 6000

- **Tutorials**
  - ANT 7000

- **Planning to Transfer to USF (State Mandated Common Prerequisites)**
  - ANT 1000
  - ANT 2000

- **Bachelor of Independent Studies (BIS)**
  - ANT 3000
  - ANT 4000

- **Curriculum**
  - ANT 5000
  - ANT 6000

- **Tutorials**
  - ANT 7000

- **Planning to Transfer to USF (State Mandated Common Prerequisites)**
  - ANT 1000
  - ANT 2000

- **Bachelor of Independent Studies (BIS)**
  - ANT 3000
  - ANT 4000

- **Curriculum**
  - ANT 5000
  - ANT 6000

- **Tutorials**
  - ANT 7000

- **Planning to Transfer to USF (State Mandated Common Prerequisites)**
  - ANT 1000
  - ANT 2000

- **Bachelor of Independent Studies (BIS)**
  - ANT 3000
  - ANT 4000

- **Curriculum**
  - ANT 5000
  - ANT 6000

- **Tutorials**
  - ANT 7000

- **Planning to Transfer to USF (State Mandated Common Prerequisites)**
  - ANT 1000
  - ANT 2000
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 illustrated by 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 Study 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 major 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 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 faculty 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 focus on knowledge gained in each seminar. Laboratories, field trips, museum or art gallery goes with a Humanities Seminar. In a Natural Sciences seminar, the focus is on an interdisciplinary approach to learning about Science.
Registry of Microbiologists, American Society of Microbiologists, American Society of Microbiology, and employment in 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 3373, MCB 3030, ZOO 3203, ZOO 3713, ZOO 4603, or ZOO 4753
   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. A maximum of four (4) credit hours of Undergraduate Research (BSC 4910) or Biology Honors Thesis (BSC 4970) may be applied.
   g. A minimum of 20 hours of Biology courses must be taken in residency and be applicable to the major.

2. *Supporting Courses in the Natural Sciences - minimum 34 credit hours*
   a. CHM 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 3233 and STA 2023
   d. PHY 2048, PHY 2048L, PHY 2049, and PHY 2049L OR PHY 2053, PHY 2053L, PHY 2054, and PHY 2054L

3. *Liberal Arts Courses - minimum 45 credit hours*

   4. *Free Elective Courses needed to complete 120 credit hours.*

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 2043/2048L, PHY 2048/2049L, 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, 2124, 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.

**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 (BSC 4970) may be applied.

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 3233 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.*
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

A student must receive a "C" grade or better in all Department of Biology courses and Supporting Courses in the Natural Sciences, except if they are used as Free Elective courses. This specification applies to both USF and transfer courses. D and F grades earned in attempting to satisfy major requirements will be used in calculating the GPA, except if they are removed by grade forgiveness.

Biology Honors Program

The Honors Program provides a greater depth and breadth of knowledge to outstanding biology students, provides them an intense research training opportunity, and encourages them to pursue very high academic standards. In addition to satisfying requirements for the Biology or Microbiology degree, successful completion of the program requires a GPA of 3.5 in Department of Biology coursework, an overall GPA of 3.0 in USF coursework, and successful completion of BSC 4931, BSC 4932, and BSC 4402L. The culmination of the Honors Program is the completion and defense of an honors thesis. Invitation to participate in the Program will take place during the spring semester of each academic year. Criteria for selection include, but are not limited to, freshman/sophomore status, A/B in science courses at USF, including BSC 2010; and recommendation from BSC 2010L laboratory instructor. See the Honors Program Coordinator for further details of the program.

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 baccalaureate-to-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 chemistry 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 (B.A. degree) or CHM 4410 (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 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 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

CHM 2041 (3) CHM 2045L (1) CHM 2046 (3)
CHM 2046L (1) CHM 3610C (4) CHM 2210 (3)
CHM 2210L (2) CHM 2211 (3) CHM 2211 L (2)
CHM 3120C (4) CHM 3400 (3) CHM 3401 (3)
CHM 3402L (1)

Required Chemistry Electives

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

Suggested courses: BCH 3023, BCH 3023L, CHS 4310, CHM 4060, CHM 4070, CHM 4610, CHM 4970, CHM 4932.*

*Content varies each semester.

Required Supporting Courses

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

Required natural science or engineering electives

8 cr. hrs.


BA in Chemistry, emphasis in Biochemistry (CHM)

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

Required Chemistry Courses

CHM 2041 (3) CHM 2045L (1) CHM 2046 (3)
CHM 2046L (1) CHM 2210 (3) CHM 2210L (2)
CHM 2211 (3) CHM 2211L (2) CHM 3120C (4)
BCH 3023 (3) BCH 3023L (2)
Required Chemistry Electives (12 cr. hrs.)
Minimum of 12 cr. hrs. selected from the following:
CHM 3400 (3)* CHM 3610 (4)* BCH 4034 (3)
CHM 3401 (3)* CHS 4310 (4)* CHM 4060 (3)

*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) MAC 2282 (3)
PHY 2053 (3) PHY 2054 (3)
PHY 2053L (1) PHY 2054L (1)
BSC 2010 (3) PCB 3023 (3)
BSC 2010L (3) PCB 3023L (1)

Other suggested electives important for advanced studies

BA in Chemistry, emphasis for Health Professions (CHM)
A chemistry core is essential for preparation for medical,
dental, veterinarian and other health-related professions. The B.A.
in Chemistry includes this core as well as the flexibility to
incorporate the other science courses required for admission
to programs in the health professions. The course study
outlined below incorporates the goals for health-related
careers.

Required Chemistry Courses (30 cr. hrs.)
CHM 2041 (3) CHM 2045L (1) CHM 2046 (3)
CHM 2046L (1) CHM 2210 (3) CHM 2211L (2)
CHM 2211 (3) CHM 2211L(2) CHM 3120C (4)
CHM 3400 (3) CHS 4300 (3) CHS 4301 L (2)
CHM 3401 (3) CHM 4060 (1) CHM 4130C (4)

Required Chemistry Electives (9 cr. hrs.)
CHM 4070, CHM 4932*.

Other suggested Chemistry electives: CHM 4970, BCH 3023L,
CHM 4970, BCH 3023L, CHM 4970, 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 EVR 2001 and 2001L. Electives that should
be considered include GLY 4822, GLY 5246, STA 3023 and
EVR 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 sec-
ondary 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 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 not less than ten semester credit hours of chemis-
try courses, and have maintained a "B" average in chemistry
courses and overall, may apply. Applications will be consid-
ered 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.
3. Natural sciences supporting coursework hours total 25
rather than 24.
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.

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (State Mandated Common Prerequisites) for B.A./B.S. in Chemistry**

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.

CHMX045/X045L General Chemistry I (with lab) or CHM 1040/1041, or 1045C, or 1045E
CHM X046/X046L General Chemistry II or CHM 1046C, or 1046E
MAC 2311 Calculus I
MAC 2312 Calculus II
CHM 2210/2210L Organic Chemistry I (with lab) or CHM 2210C
CHM 2211/2211L Organic Chemistry II (with lab) or CHM 2211C
PHY 2048/2048L General Physics I with Lab or PHY 2048C, or PHY 2053C
PHY 2049/2049L General Physics II with Lab or PHY 2049C, or PHY 2054C

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 (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.

     - COM 2600 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 4124
       COM 4042 SPC 3210 SPC 3441
       SPC 3712 SPC 4431 SPC 4310

     - **Public and Cultural Communication**
       COM 4030 SPC 3230 SPC 3513
       SPC 3631 SPC 3653 SPC 4683
       SPC 4832 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."

**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)

  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
or

BSC 2092 Human Anatomy and Physiology

1. Required Courses

- Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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 students to work in educational settings working with students who require assistance with educational skills 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-Hearing Science and obtain the M.S. degree in Aural Rehabilitation/Deaf Education.

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.

- American Sign Language Concentration (ISA) (min. 30 cr. hrs.)

New students are not being admitted to the ISA Major for the 1997/98 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 although 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 the 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 3011 (3)**
- **SPA 3013 (3)**

or

- **SPA 3300 (4)**
- **SPA 3380 (4)**
- **SPA 4363 (3)**
- **SPA 4382 (4)**
- **SPA 4383 (4)**
- **SPA 4562 (3)**

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. **Roll 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 Application 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 ISL and ASL are identical to those for ISA and ISH concentrations. The specific course of study for the ISL 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) EDG 4620 (3) EXE 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 less than two USF Communication Sciences and Disorders courses will be automatically barred from continuing as an undergraduate major in ISH, ISA, or ISL. 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 (ISA, ISH, ISL) 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 will 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 4363 - Nature and Needs of the Hearing Impaired
  2. In addition, a minor must include one of the following:
     - SPA 4331 - Fundamentals of Finger Spelling
     - SPA 4332 - 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.

- Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 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. 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
   - STA 1023 Introduction to Statistics 4
   - or equivalent work such as:
   - BSC 3092 Human Anatomy & Physiology 5

III. Complete the foreign language requirement

NOTE: Students who select ASL as their foreign language requirement 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 requires 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.

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 four 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 or their equivalents:

- CCJ 3024 (3)*
- CCJ 3204 (3) CCJ 3610 (3)*
- CCJ 4501 (3) CCJ 4934 (3)

* These are gateway courses and must be taken first.
In addition to the above, the student must select and complete the course requirements from within one of the four areas of concentration described below.

1. **Generalist:**
   - CCJ 3621 (3)
   - CCJ 3701 (3)
   - CCJ 4110 (3)
   - CCJ 4273 (3)
   - CCJ 4306 (3)
   - CCJ 4700 (3)
   plus a minimum of 9 hours of Criminology electives.

2. **Law Enforcement:**
   - CCJ 3701 or 4700 (3)
   - CCJ 4110 (3)
   - CCJ 4273 (3)
   - CCJ 4306 (3)
   - CCJ 4450 (3)
   - CCJ 4511 (3)
   - CCJ 4940 (3)
   plus a minimum of 3 hours of Criminology electives.

   Students may earn up to 6 hours toward their major by successfully completing a Florida Criminal Justice Standards and Training Commission (FCJSTC) approved Basic Recruit Training Academy in Law Enforcement as part of the internship experience within the Law Enforcement area of concentration.

3. **Corrections:**
   - CCJ 3701 or 4700 (3)
   - CCJ 4110 (3)
   - CCJ 4273 (3)
   - CCJ 4316 (3)
   - CCJ 4331 (3)
   - CCJ 4341 (3)
   - CCJ 4306 (3)
   - CCJ 4940 (3)

   Students must receive approval from the Department prior to starting their minor work. A minimum of 9 semester hours must be completed at USF. Students minoring in Criminology are subject to the Department’s “2 D” Rule.

4. **Juvenile Justice:**
   - CCJ 3701 or 4700 (3)
   - CCJ 3621 (3)
   - CCJ 4511 (3)
   - CCJ 4513 (3)
   - CCJ 4540 (3)
   - CCJ 4550 (3)
   - CCJ 4652 (3)
   - CCJ 4940 (3)

   plus a minimum of 3 hours of Criminology 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 electing 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 Criminal Justice Standards and Training Commission (FCJSTC) and by the Florida Department of Corrections (FDOC) as satisfying some of the Basic Recruit Training objectives for Correctional Probation Officers (CPO). This certificate program consists of 21 semester hours comprised of the following courses: CCJ 3024 (3) CCJ 4282 (3) CCJ 4316 (3) CCJ 4331 (3) CCJ 4341 (3) CCJ 4306 (3) and CCJ 4940 (3). Students must receive approval from the department prior to starting their coursework within this certification program. The program is open to all USF students including Criminology majors and minors as well as to persons who have already received their baccalaureate degrees. All of the required coursework within this certification program must be taken at USF and all additional training requirements must be taken at an FCJSTC approved program in order to qualify as a Florida Correction Probation Officer. Students working toward corrections certification are also subject to the Department’s “2 D” rule.

**Requirement for a Minor in Criminology:**

The Department of Criminology offers a minor in Criminology. The minor consists of three required courses (CCJ 3024, 3204, and 3610) totaling 9 credit hours, and the selection of two of the following 3 hour courses (CCJ 4110, 4273, 4306, 4501) for a total of 15 semester hours. Students must receive approval from the Department prior to starting their minor work. A minimum of 9 semester hours must be completed at USF. Students minoring in Criminology are subject to the Department’s “2 D” Rule.

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

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 Criminology 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
- ACG 2011 Accounting II
- AFA 2001 Introduction to the Black Experience
- POS 1001 Introduction to Political Science
- POS 2041 American National Government
- POS 2112 State and Local Government
- PSY 2012 Introduction to Psychology
- SYG 2000 Introduction to Sociology

**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. The Department also offers a minor in economics.

**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 2031 Economic Principles: Macroeconomics (3)
- ECO 2023 Economic Principles: Microeconomics (3)
- ECO 3101 Intermediate Price Theory (3)
- ECO 3203 Intermediate Income & Monetary Analysis (3)
- ECO 4935 Economic Statistics (3)
- or QMB 3200 Business and Economics Statistics II (3)

Economics electives numbered 3000 or higher (18)
ECO 3101, Managerial Economics, may be substituted for ECO 3100. 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 3100 in order to enroll in any course for which ECO 3101, ECO 3100 or ECO 3203 is a prerequisite. At least 8 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 satisfyingly 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 6 hours must be taken in residence at USF.

The Economics Pre-Law Curriculum

Economic principles provide the foundation for much of our legal system. Economics offers a series of courses to provide the abstract and applied skills required by those seeking legal careers.

Beyond ECO 2013 Economic Principles (Macroeconomics) and ECO 2023 Economic Principles (Microeconomics), students should elect ECP 4451 Law and Economics. ECP 3413 Economics of Regulation and Antitrust and ECO 4935 Economics of Crime are strongly recommended. Additional courses of interest are: ECO 4504 Public Finance, ECP 3530 Economics of Health, ECP 3302 Environmental Economics, ECP 3203 Labor Economics, 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.

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

ECO X013 Economic Principles II (Macroeconomics) and/or
ECO X023 Economic Principles I (Microeconomics) or
ECO XXXX Any level economics course, 3 semester hours, and

ECO XXXX 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 does not 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 literature option covers the major periods of English and American literature. 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.

OPTION I: English and American Literature.

Eleven courses (33 hrs.) as follows:

1. Both of the following:
   AML 3031 AML 3032

2. Four of the following:
   ENL 3015 ENL 3230 ENL 3251
   ENL 3273 ENL 3331 ENL 3332

3. Five of the following, at least two of which must be at the 4000 level:
   AML 3051 AML 3604 AML 4111
   AML 4121 AML 4261 AML 4330
   ENG 4013 ENG 4060 ENL 3015
   ENL 3230 ENL 3251 ENL 3273
   ENL 3331 ENL 3332 ENL 4122
   ENL 4132 ENL 4171 ENL 4303
   ENL 4311 ENL 4338 ENL 4341
   LIN 4671 LIN 4680 LIN 3022
   LIT 3043 LIT 3073 LIT 3101
   LIT 3102 LIT 3144 LIT 3301
   LIT 3374 LIT 3410 LIT 3700
   LIT 4011 LIT 4930
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. **FICTION OPTION** (33 hrs.)
   - All of the following:
     - CRW 3111
     - CRW 3112
     - CRW 3121
     - CRW 3311
     - CRW 4120
   - Note: Except for CRW 3311, the courses above must be taken in sequence. CRW 3311 may be taken at any time after CRW 3111 is completed.

2. **POETRY OPTION** (33 hrs.)
   - All of the following:
     - CRW 3111
     - CRW 3311
     - CRW 3312
     - CRW 3321
     - CRW 4320
   - Note: Except for CRW 3311, the courses above must be taken in sequence. CRW 3311 may be taken at any time after CRW 3311 is completed.

**Additional course requirements**:
- The student must select six literature courses from those listed in OPTION I. Two courses must be from group "1," two more from group "2," and one from group "3." At least two of the courses must have either an ENL or LIT prefix.
- **Composition requirement**:
  - Five of the following:
    - CRW 2100
    - ENC 2210
    - ENC 3213
    - ENC 3310
    - ENC 4311
    - ENC 4931
- **Literature requirement**:
  - 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

2. **Two of the following:**
   - ENL 3015
   - ENL 3230
   - ENL 3251
   - ENL 3273
   - ENL 3331 or ENL 3332

3. **One course at the 4000 level**

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

**Creative Writing Minor (15 hours)**

1. Either Form and Technique of Fiction (CRW 3111) and Fiction I, II, and III (CRW 3112, 3121, 4120) or Form and Technique of Poetry (CRW 3311) and Poetry I, II, and III (CRW 3312, 3321, 4320).

2. One AML or ENL course at the 3000 or 4000 level.

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

1. ENC 2210
2. ENC 4260
3. One AML or ENL course

4. Two of the following courses:
   - CRW 2100
   - ENC 3213
   - ENC 3310
   - ENC 4311
   - ENC 4931

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 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 minimum acceptable grade.

- ENC 1101 Freshman English I
- ENC 1102 Freshman English II
- ENC 1103 Freshman English III
- ENC 1104 Freshman English IV

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 2100 American History I
- AMH 2200 American History II
- EUH 2021 Medieval History I
- EUH 2022 Medieval History II

**ENVIRONMENTAL SCIENCE AND POLICY (EVR)**

The status of the earth’s environment has become a major concern since the 1960s. As we proceed into 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, technological advances, 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 degree was approved in summer of 1995. This interdisciplinary program spans multiple colleges within the University but is housed in the College of Arts and Sciences. The program is designed to provide a broad approach to an understanding of the environment and to the various problems associated with human intervention in natural systems. As we move into the next century, it is increasingly necessary that professionals who are employed in any aspect of the environmental industry be versed in a broad spectrum of topics overlapping several traditional disciplines. The curriculum combines basic principles of natural and social sciences in order to provide students with a wide variety of choices to satisfy the degree requirements. There are several required courses and also a wide selection of electives within the degree curriculum. After completing the core requirements, each student selects either the science track or the policy track for modest concentration. Each of these tracks has a combination of required courses and electives to provide this concentration.
The core is required for all majors. It includes a number of introductory courses and is capped by two courses taken in the last year: a seminar and either a research project or an internship. Students who elect the science track must further declare an option of earth science, life science, or physical science. Students who select the policy track may choose between economics, ethics, planning, or policy for further emphasis.

• 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. The availability of elective courses that can be applied to the major changes regularly and all such courses must be approved by the program advisor.

CORE REQUIREMENTS FOR ALL MAJORS (41 hours)
All of the following:
- EVR 2001 EVR 2001L EVR 2861
- BSC 2010C BSC 2011C CHM 2041
- CHM 2046L CHM 2046L CHM 2046L
- PUP 4201 PHI 3640 EGR 4921
one approved statistics course
one approved geology or physics course with lab.
Plus: either EVR 4910 or EVR 4940

Select either the Science or the Policy track.

Science (18-24 hours)
MAC 2233 and MAC 2234 OR MAC 2281 and MAC 2282 OR
MAC 2311 and MAC 2312
plus 4 approved science/engineering electives: only one of
which may be an introductory course and 3 must be selected
from within one of these areas - earth science, life science, or
physical science.

Policy (18-22 hours)
ECO 3302 and POS 3697 or CCJ 4260
plus 4 approved policy-related electives: only one of which
may be an introductory course and 3 must be selected from
within one of these areas - economics, ethics, planning, or
policy.

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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.

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.

For Science Concentration only:
- MAC 2233 & MAC 2234 Elementary Calculus 4
- or MAC 2281 & MAC 2282 Engineering Calculus 4
- or MAC 2311 & MAC 2312 Calculus 3

and BSC 2010, 2010L & BSC 2011, 2011L

Biology I and II with Lab 8

and

CHM 2041 & CHM 2045L General Chemistry with Lab 4

CHM 2046 & CHM 2046L General Chemistry II
with Lab 4

plus

STA 2023 Statistics
One approved Geology or Physics Course with Lab 4

For Policy Concentration:


Biology I and II with Lab 8

CHM 2041 & CHM 2045L General Chemistry with Lab 4

CHM 20446 & CHM 2046L General Chemistry II
with Lab 4

plus

STA 2023 Statistics
1 Approved Geology or Physics course with lab 4

- GEOGRAPHY (GPY)
The degree program in Geography provides options in Environmental Studies, Urban Studies, and General Geography. The Environmental Studies option focuses on major environmental systems including the geosphere, hydrosphere, atmosphere, pedosphere, and biosphere. Particular emphasis is put on the human modification of the natural environment and the global interconnections of the major earth systems. The Urban Studies option 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. The General Geography option offers instruction in a broad range of topics in geography, including both physical and human processes.

• Requirements for the Major in Geography
A major in geography consists of 37 credit hours as follows:

Required core courses (21 credit hours):
- GEO 3013 (4) GEO 4100C (4) GEO 4933 (1)
- GEO 3402 (4) GEO 4114C (4) or GEO 4164 (4)
- Plus one course with a GEA prefix (4)

Supporting Courses (16 credit hours): Students may select Option 1 (Environmental), Option 2 (Urban), or Option 3 (General).

Option 1: Environmental Studies
In addition to required Geography core courses, students in Option 1 select:

Required: GEO 4372 (4) and

Two of the following (8 credit hours):
- MET 4002 (4) GEO 4201C (4) GEO 4280C (4)
- MET 4010C (4) GEO 4210 (4) GEO 4340 (4)

Any additional 4 credit hours in Geography excluding:
- GEO 3901 GEO 4900 GEO 1930
- GEO 3931C GEO 4910

Option 2: Urban Studies
In addition to required Geography core courses, students in Option 2 select:

Required: GEO 3602 (4) and

Two of the following (8 credit hours):
- URP 4052 (4) GEO 4502 (4) GEO 4604 (4)
- GEO 4470 (4) GEO 4700 (4)

Any additional 4 credit hours in Geography excluding:
- GEO 3901 GEO 4900 GEO 1930
- GEO 3931C GEO 4910

Option 3: General Geography
In addition to required Geography core courses, students in Option 3 select:

One of the following (4 credit hours):
- MET 4002 (4) GEO 4210 (4)
- MET 4010C (4) GEO 4280C (4)
• Requirements for the Minor
A minor in Geography consists of 16 credit hours, with a minimum grade-point average of 2.0. The required courses are:

GEO 3013 (4)  GEO 3402 (4)
One upper level GEA elective (3000-5000 level) (4) and one upper level GEO, MET or URP elective (3000-5000 level) (4).

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 through 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 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. 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.

Major and Supporting Courses:

GEA 3005 Global Geography
GEO 3013 Introduction to Physical Geography
GEO 3402 Human Geography
GEO 4421 Cultural Geography
And any other geography course offered in the community college A.A.

Electives:

AMH 2010 American History I
AMH 2020 American History II
World Civilization I, II (EUH Courses)
POS 2041 National Government
POS 2112 State and Local Government
GEO 2100 Geology
BOT 2010 Botany
ANT 2000 Anthropology

GEOL OGY (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 the 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 2100 (3)  GLY 4310 (4)  GLY 4550 (4)
GLY 2101L (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)
CHM 2045L (1)  CHM 2046L (1)
b. One year of calculus (MAC 2233, 2234 or 2311, 2211 or 2281, 2282)
c. Two courses in biology or physics selected from:
   BSC 2010C (4)  BOT 2010C (4)
   PHY 2053-2053L (4) or 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 2100 (3)  GLY 3200 (4)  GLY 4552 (4)
GLY 2101L (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.)

a. CHM 2041 (3)  CHM 2046 (3)
CHM 2045L (1)  CHM 2046L (1)
MAC 2281 (3)  or MAC 2311 (4)
MAC 2282 (3)  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.

5. Free Electives
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.
All geology majors are strongly urged to take a course in technical writing. All entering students anticipating a major in Geology are advised to enroll in:

GLY 2010  GLY 2100  CHM 2041  CHM 2046
GLY 2010L  GLY 2100L  CHM 2045L  CHM 2046L
in the freshman year and to seek curriculum counseling with a Geology advisor.

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.

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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 1045 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 37 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 wish to pursue graduate or professional work in gerontology, or some other field, for who plan to work with older adults in careers other than Nursing Home Administration.

Required Courses:
GEY 3000 (3)  HUS 4020 (4)  GEY 4640 (3)
HUS 3001 (3)  GEY 4327 (3)  GEY 4935 (3)
GEY 3601 (3)  GEY 4360 (3)  GEY 4945 (3)
GEY 3625 (3)  GEY 4401 (3)

A required prerequisite is STA 3122.
B.A. students may, upon approval of the departmental advisor, arrange to complete the B.A. internship (GEY 4945) half-time over two semesters, or to substitute 6 hours of GEY electives for the internship. The departmental advisor will also consider other requests for course substitution as long as the 37 semester hours in Gerontology are attained.

• 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 (9)

Students also complete the following twelve (12) hours of electives: ACG 2021, ACG 2071, CGS 2000, and GEY 3000.

These courses are intended to reflect educational requirements mandated by the State of Florida and specified in Chapter 212.11 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’s having taken GEY 3000 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 those pursuing majors in such disciplines as anthropology, 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 16 hours of the following upper-level courses:
  - GEY 3000 (3)
  - GEY 3625 (3)
  - HUS 4020 (4)
  - GEY 3650 (3)

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  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 X011 or
  - ACG X630
  - CSG X000 Computers in Business or EME X402, COC X317, CSG X101, X361, X001, or X060
  - GEY X000 Introduction to Gerontology

  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 2150 or QMB X100, STA 2022, 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 19 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 adviser who is empowered to make appropriate substitutions when educationally justified.

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

  - **Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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
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.

Students transferring credit hours toward a major in political science must complete 12 credit hours within the Department, regardless of the number of credit hours 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 with state and local government and with political parties at the state and local level. Academic credit is available for such internships. For further information, contact the Department of Government and International Affairs.

Honors in Political Science

Honors in Political Science is designed for the outstanding undergraduate who seeks an intensive program plus academic recognition during the senior year. Admission to the honors sequence, which is available to all undergraduate majors, will be controlled by grade point average, personal interviews and close scrutiny of the student's program and

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

Field I Political Theory

POT 3013 (3) POT 4064 (3) POT 5626 (3)
POT 4054 (3) POT 4204 (3)

Field II Comparative Government and Politics

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

Field III International Relations

INR 3102 (3) INR 3370 (3) INR 4403 (3)
INR 3038 (3) INR 4035 (3) INR 4502 (3)
INR 3336 (3) INR 4254 (3) INR 4334 (3)
INR 5086 (3)

Field IV American National and State Governments

POT 2080 (3) POS 3273 (3) POS 4413 (3)
POS 2112 (3) POS 3453 (3) POS 4424 (3)
POS 3173 (3) POS 4204 (3) POS 5084 (3)
POS 3182 (3) PUP 4323 (3)

Field V Urban Government and Politics

POS 3142 (3) POS 4165 (3) URP 4050 (3)
POS 3145 (3) POS 5155 (3) PUP 4534 (3)

Field VI Public Policy

INR 3102 (3) INR 4334 (3) POS 3145 (3)
PUP 4002 (3) PUP 4007 (3) PUP 4203 (3)
PUP 4323 (3) PUP 4534 (3) PUP 5607 (3)
URP 4050 (3)

Field VII Law and Politics

INR 4403 (3) POS 3691 (3) POS 4624 (3)
POS 3283 (3) POS 4614 (3) POS 4693 (3)
POS 3182 (3) PUP 4323 (3)
POS 3173 (3) POS 4204 (3) POS 5094 (3)
POS 3182 (3) PUP 4323 (3)
POS 4165 (3) PUP 5607 (3)
POS 4165 (3) PUP 5607 (3)

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

PAD 3003 (3) POS 4936 (3) PAP 4204 (3)
POS 4941 (3-15) POS 4905 (1-3) POS 4970 (3)
POS 4910 (1-3) POS 3831 (3) POT 4109 (3)
POS 4661 (3) POS 4936 (3)
Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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
- Foreign Language II 4
- Geography (any GEO) 3
- History (any AMH or EUH) 6
- 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; Field VII of the undergraduate curriculum (Law and Politics). 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.

Program is not a prescribed program of study. No specific college major is required for admission to law school. Those students intending to pursue the study of law must obtain a Bachelor's degree in an arena of personal choice. It is generally agreed that knowledge and understanding of the political, economic, and social context within which legal problems arise facilitate a career in law.)

- Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

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
- PAD 5836 Comparative Public Administration

For further information, please contact the Public Administration Program.

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 around the globe and from the ancient through contemporary eras. We
encourage diversification. Our faculty endeavors 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,” CGS 2080 and CGS 3060 (computer service courses), and additional hours 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
  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. 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.

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 History prior to entering 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. 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.
  Western or World Civilization I, II
  American History I, II
  Latin American History I, II
  English—Essay Writing, Foreign Languages, Anthropology, Geography, Economics, Political Science, Philosophy, Literature, Humanities, Sociology, Black Studies.

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
  The curriculum for the Humanities major comprises interdisciplinary courses in the verbal, visual and musical arts of specified periods and cultures. Course requirements are as follows:
  1. 28 credits of Humanities courses. Not over 2 courses or eight of these 28 credits may be taken below the 3000-level.
  2. Humanities 4931, Seminar in Humanities, four credit hours.
  3. Two or more classes in the creative or performing arts, either lower or upper level, totaling at least four semester hours.
  4. 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.

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.
  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
  Literature in Translation (RUT, CLT courses) 3-6
  Social Science (AMH, EUH courses) 6
AMERICAN STUDIES (AMS)

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

• Requirements for the Major in American Studies

36 credit hours, including AMS 3001, AMS 3210, AMS 4935, AMS 4936, either AMS 3201 or AMS 3230, a minimum of 8 additional credit hours in other AMS courses and a minimum of 8 additional elective hours selected from AMS and/or related disciplines in consultation with the Undergraduate Director.

• Requirements for the Minor in American Studies

18 credit hours, including AMS 3001 and a minimum of 8 credit hours of other AMS courses plus a minimum of 6 additional elective hours selected from AMS and/or related disciplines in consultation with the Undergraduate Director.

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

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

— INTERDISCIPLINARY NATURAL SCIENCES (INB/INC/ING/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 16 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:

Supporting Courses:

BSC 2010C (4) BSC 2011C (4)
CHM 2041 (3) CHM 2046 (3)
CHM 2045L (1) CHM 2046L (1)
MAC 2233(4) MAC 2311(4)
MAC 2234(4) MAC 2312(4) or MAC 2231(3)
MAC 2234(4) or MAC 2282(3)
PHY 2053 (3)
PHY 2053L (1) or PHY 2048L (1)
PHY 2054 (3) or PHY 2048 (3)
PHY 2054L (1) or 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 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)

Major Courses:

BCH 3023 or CHS 4300 (3)
CHM 2210, 2210L (3,2) CHM 2211, 2211L (3,2)
MCB 3033C (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 science 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
INTERDISCIPLINARY SOCIAL SCIENCES (ISS)

This program of study 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 of study 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 4535, 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. Three special electives—emphasizing cultural diversity—are added.
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. 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.
7. 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 you choose 12 hours in each. Cognates must be selected from the areas of study listed below:

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

Interdisciplinary Core Courses

Two of these courses, an introductory course (3010) and the senior seminar (4935), introduce and employ the interdisciplinary social science perspective. These courses involve students in the study of human systems; the various concepts, theories and methods studied in the social sciences; and are designed to offer the student a multi-disciplinary perspective. The transfer student should also be aware of the immunities, foreign language, and continuous enrollment policies of the university.

Students are encouraged to choose from the following courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- Biology I (BSC 2010, 2010L) and Biology II (BSC 2011, 2011L)
- Calculus (MAC 2233 and MAC 2234 or MAC 2311 and MAC 2312)
- General Chemistry (CHM 2041, CHM 2045L, and CHM 2046, CHM 2046L)
- General Physics (PHY 2053, PHY 2053L and PHY 2054, PHY 2054L or PHY 2048, PHY 2048L, and PHY 2049, PHY 2049L)
- Introduction to Physical Geology (GLY 2010, GLY 2010L) and History of the Earth and Life (GLY 2100, GLY 2100L)

- 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 5525
- 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.
The Liberal Studies Degree is conceived to fulfill the intent of the traditional Liberal Arts degree and is offered for students who require a broad academic approach for realization of their conceived academic or pre-professional goals. For admission to the program, the students must (1) have a minimum of 20 (to a maximum of 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 explaining the student's special academic circumstances and goals for which this major is appropriate. This proposal must be approved by the faculty committee of three professors (Chair to be selected by the student) to be assembled by the student and the Director 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 80 hours will include courses in the sciences, letters, and social and behavioral sciences. In the student's last semester, a senior paper must be approved by the faculty committee.

When admitted to the program, the student will formulate, in collaboration with the faculty committee, a program of studies to be pursued toward his/her particular academic goals. For information, contact the Coordinator of Advising in SOC 102.

- **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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.

  - **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.
    - To be admitted to the Liberal Studies program, the student must have a minimum of 20 (to a maximum of 80) semester hours, have a minimum overall GPA of 3.0 at the time of admission, and submit a written proposal explaining the student's special academic circumstances and goals for which this major is appropriate. Unless stated otherwise, a grade of "C" is the minimum acceptable grade.

- **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 (CLL, CLS, ICL)**
- The major programs in Classics are 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 majors are of particular interest to students who wish to teach the languages, to those who plan graduate study in a humanistic discipline, and to those who want an undergraduate major which focuses on the ancient civilizations which are the cornerstone of the Western tradition.

  - **Requirements for the Major in Classics**
    - Major programs leading to the Bachelor of Arts degree are offered in Classics-Latin, Classics-Latin/Greek, and Interdisciplinary Classics. Major programs in Classics require a minimum of 36 hours of course-work. The minor is offered in Latin, Greek, and Interdisciplinary Classics. The minors consist of a minimum of 22 hours of course-work.

**CLASSICS-LATIN**
- (Basic preparation for the Classics-Latin major: a minimum of two years of high school Latin or LAT 1120 and LAT 1121). LAT 1120 and LAT 1121 may be used to satisfy foreign language requirements but do not count as credit toward the major.

  - Required courses for the Classics-Latin major
    - 24 hours selected from the following:
      - LNW 2660 (4)
      - LNW 4363 (4)
      - LNW 4634 (4)
      - LNW 4670 (4)
      - LNW 4381 (4)
      - LNW 4644 (4)
      - LNW 4500 (4)
      - LNW 4654 (4)
      - LNW 4930 (4)
      - LNW 4501 (4)
      - LNW 4900 (1-4)

  - Supporting courses required for the major
    - 12 hours selected from the following:
      - ARH 4100 (4)
      - CLT 3102 (3)
      - EUH 3402 (4)
      - ARH 4170 (4)
      - CLT 3370 (3)
      - EUH 3412 (4)
      - CLA 3103 (3)
      - EUH 2011 (3)
      - EUH 3413 (4)
      - CLA 3123 (3)
      - EUH 2012 (3)
      - PHP 4000 (3)
      - CLT 3040 (3)
      - EUH 3401 (4)
      - PHP 4010 (3)
      - CLT 3101 (3)

**CLASSICS-LATIN/GREEK**
- Required courses for the Classics-Latin/Greek major
  - 16 hours in advanced Latin (see Classics-Latin major above) and 8 hours in beginning Classical Greek, GREE 1120, 1121.

  - Required courses for the Classics-Latin/Greek major
    - 12 hours selected from the list of supporting courses given for the Classics-Latin major above.

**Requirements for the Latin minor**
- 16 hours in advanced Latin (see Classics-Latin major above).

  - Supporting courses required for the Latin minor
    - 8 hours selected from the following:
      - CLT 3102 (3)
      - CLT 3370 (3)
      - EUH 3412 (4)
      - EUH 3413 (4)

**Requirements for the Greek minor**
- 16 hours in advanced Greek

  - Supporting courses required for the Greek minor
    - 8 hours selected from the following:
      - ARH 4170 (4)
      - CLA 3103 (3)
      - CLT 3101 (3)
      - CLT 3370 (3)
      - EUH 3401 (4)
      - EUH 3402 (4)
      - PHH 3062 (3)
      - PHP 4000 (3)
      - PHP 4010 (3)

**INTERDISCIPLINARY CLASSICS**
- 1. Basic Preparation
  - Beginning Latin or Greek or high school equivalent (no major credit)

- 2. Required Courses
  - a. Two advanced courses in Latin or Greek. (See Classics-Latin/Greek) (8)
  - b. Prehistoric and Ancient Art (ARH 4100) (4)
  - c. History of Philosophy: Ancient & Medieval (PHH 3062) (3)
Program of Study at a Florida Community/

2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. An overall GPA above 3.0.

Requirements for Completion of Departmental Honors:
1. Completion of requirements for a major in the Department with a GPA above 3.5.
2. Acceptance of a Senior Thesis by a committee of faculty members in the Department.
3. Passing the Honors Examination at the end of the senior year.

Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 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 possible, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

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

### 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 programs. The courses provide the understanding and skills needed to access essential information resources in an increasingly information-driven, technological world, whether in support of scholarship in academic disciplines or the occupational demands of society. Students are able to take a variety of classes that will prepare them to access and assess 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 also offers the following classes that focus on using library resources in specialized areas: Science Information Sources; Business Information Sources; and Social Science Information Sources.

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 location of St. Petersburg's Bayboro Campus allows 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, practice 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.

**Requirements for the Major in Mass Communications**

To be admitted to the core curriculum in Mass Communications, students must have completed 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 establish a minimum score of 60 percent on the Mass Communications Diagnostic Test prior to entering MMC 2100 (Writing for Mass Media). Both courses in the Mass Communications core curriculum (MMC 2100 and MMC 3602) must be completed with a minimum grade of "C" before any other Mass Communications course may be taken. Students failing to achieve a minimum grade of "C" in both MMC 2100 and MMC 3602 will be disallowed as majors in the School. A 2.5 GPA in Mass Communications courses is required for graduation, and no student may graduate with a grade lower than "C" in any Mass Communications course.

The core of 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, 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 eighteen (18) hours of resident School courses are required.

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

Sign Language may be used as an option by Mass Communications majors to fulfill the language requirement.

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 3900 (3)

2. **JOURNALISM Requirements**

   JOU 2100 (3)  JOU 4200 (3)  JOU 4206 (3)
   JOU 3101 (3)  MMC 4200 (3)  MMC 4420 (3)
   JOU 4104 (3)  PGT 3610 (3)

3. **PUBLIC RELATIONS Requirements**

   JOU 2100 (3)  JOU 4200 (3)  MMC 4200 (3)
   JOU 3101 (3)  MMC 4936 (3)  MMC 4420 (3)
   JOU 3300 (3)

**Selective Requirements**

- **Magazine Option**
  JOU 2100 (3)  MMC 4200 (3)  MMC 4420 (3)
  JOU 3101 (3)  MMC 4420 (3)
  JOU 3300 (3)

- **Selective Requirements**
  (10 hrs. required, selected with advisor's approval)

Note: The following courses are required outside the School to complete sequence requirements: ACG 3074, ECO 1000, and MAR 3023. See specific courses for prerequisites.

2. **JOURNALISM Requirements**

   News-Editorial Option
   JOU 2100 (3)  JOU 4200 (3)  JOU 4206 (3)
   JOU 3101 (3)  MMC 4200 (3)  MMC 4420 (3)
   JOU 4104 (3)  PGT 3610 (3)

   Selective Requirements**
   (10 hrs. required, selected with advisor's approval)

   Magazine Option
   JOU 2100 (3)  JOU 4200 (3)  MMC 4200 (3)
   JOU 3101 (3)  MMC 4936 (3)  MMC 4420 (3)
   JOU 3300 (3)

   Selective Requirements**
   (7 hrs. required, selected with advisor's approval)

   Note: The following courses are required outside the School to complete sequence requirements: ECO 1000, PHI 1103, POS 2041, and POS 2112 or POS 3142, and SYG 3010. For Magazine sequence, CRW 2100 is also required. See specific courses for prerequisites.

3. **PUBLIC RELATIONS Requirements**

   ADV 3000 (3)  PUR 3000 (3)  PUR 4100 (3)
   JOU 2100 (3)  PUR 4001 (3)  PUR 4401 (3)
   MMC 4420 (3)

   Selective Requirements**
   (7 hrs. required, selected with advisor's approval)

   Note: The following courses are required outside the School to complete sequence requirements: ECO 1000, MAN 3025, POS 2041, and POS 2112 or POS 3142.
4. TELECOMMUNICATIONS

Requirements

Note: English Composition (minimum grade of "C")

Selective Requirements (12 hrs. required, selected with advisor's approval)

Programming and Production Option

RTV 3001 (3) RTV 3304 (4) MMC 4200 (3)
RTV 2100 (3) RTV 4220 (3) MMC 4420 (3)
RTV 4500 (3) RTV 4320 (3)

Selective Requirements (3 hrs. required, selected with advisor's approval)

Note: The following courses are required outside the School to complete sequence requirements.

Programming and Production:

CRW 2100 or ENC 3310, PHI 1103. See specific courses for prerequisites.

Selective Requirements (6 hrs. required, selected with advisor's approval)

Note: 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.

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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. 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 conditional enrollment policies of the university.

Students should complete 18 semester hours outside the Mass Communications curriculum 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. A grade of "C" is the minimum acceptable grade. Students are encouraged to complete the following prerequisites, or major, support, or elective courses if available, during the program of study at the community college, and when feasible in General Education/Gordon Rule courses.

English Composition (minimum grade of "C")

MMC 4202 Mass Communications and Society

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.

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

• 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 12 hours 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
MAT 2936 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 3422 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 4
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 4214 Elementary Number Theory 3
MHF 5405 History of Modern Mathematics 3
MTG 4212 Geometry 4
MTG 4302 Introduction to Topology 3
STA 4321 Introduction to Statistics 3
STA 5166 Computational Statistics 3
STA 5228 Sampling Techniques 3
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
- MAT 2936 Technology Seminar 1

**Semester 2**
- MAC 2312 Calculus II 4
- STA 4321 Introduction to Statistics 3

**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

**Semester 7**
- MAA 4211 Intermediate Analysis I 4
- Elective 3-4

**Semester 8**
- MAT 4937 Mathematics Majors Seminar 1
- Elective 3-4

### 2. Mathematics-related Courses (6-8 cr. hrs.)

Majors, except for majors in mathematics for teaching, must take two courses with laboratories in the Departments of Biology, Chemistry, Geology, or Physics that are required courses for the major within those departments. Majors will not receive credit toward graduation for the following courses:

- AST 3033
- GEB 3121
- STA 2023
- GEB 2111
- PHY 2020
- STA 2122

Majors wishing to take a course in statistics should take STA 4321.

### 3. Teacher Education Programs

For information concerning the degree programs for secondary school teachers, see the description given in the Mathematics Education section of this catalog.

### 4. 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
   - BSC 2010L Biology I - Cellular Processes Lab 1
   - BSC 2011 Biology II - Diversity 4
   - BSC 2011L Biology II - Diversity Lab 1
   - ZOO 3203C Invertebrate Zoology 4
   - PCB 3053 General Genetics 3
   - PCB 4043C Principles of Ecology 3
   - PCB 4674 Organic Evolution 3

#### Environmental Chemistry 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

2. Geology 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. Additional courses
   - GLY 2100L Dynamic Earth Lab 1
   - GLY 2100 History of the Earth and Life 3
   - GLY 2100L Earth History Lab 1

- **Teacher Education Programs**
  - For information concerning the degree programs for secondary school teachers, see the description given in the Mathematics Education section of this catalog.

- **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.

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   - BSC 2011L Biology II - Diversity Lab 1
   - ZOO 3203C Invertebrate Zoology 4
   - PCB 3053 General Genetics 3
   - PCB 4043C Principles of Ecology 3
   - PCB 4674 Organic Evolution 3

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   - 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

2. Geology 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. Additional courses
   - GLY 2100L Dynamic Earth Lab 1
   - GLY 2100 History of the Earth and Life 3
   - GLY 2100L Earth History Lab 1
• **Accelerated BA/MA Program**

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

The program meets all the requirements for the BA degree, but requires the students to take those 5000 and 6000 level courses required for the MA degree during the last two years in the program. By awarding up to 20 hours of dual credit (undergraduate and graduate), the student also uses these courses to satisfy the requirements for the MA in mathematics.

For admission to the program, a student must have completed at least 30 hours of college credit including 8 hours of 3000-level or above mathematics courses; have an overall grade point average of 3.0 or above; and have a grade point average of 3.5 or above in all mathematics courses taken at the 3000-level or above. Further information is available on request from the Department of Mathematics (974-2643).

**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:

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.

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF**

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.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university’s entrance 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.

- MAC X312 Calculus II
- MAC X313 Calculus III

Students must also complete two laboratory-based science courses, 4 - 8 semester hours total, from the respective science majors: Biology, Chemistry, 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, Tallahassee, and Jacksonville. Admission to the fourth year is limited by the number of openings in affiliated hospitals, and at the present time is competitive. Selection for the clinical program is made by the hospitals and students not admitted to a clinical program may need to select an 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.
4. All sciences and mathematics requirements listed below, including Common Prerequisites and those specific to USF, with a “C” or higher in each course.

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

A student who transfers without an A.A. degree and has fewer than 60 semester hours of acceptable credit must meet the university’s entrance 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 (e.g. BSC 1010, 1010L; BSC 2010, 2010L*)
2. Human Anatomy and Physiology I with lab (e.g. BSC 1085, 1085L) and Human Anatomy and Physiology II with lab (e.g. BSC 1086, 1086L)
3. Cell Biology with lab (e.g. PCB 3063, 3063L*)
4. Genetics with lab (e.g. PCB 4703C; BSC 3092*) and one of the following options.
   - General Biology II with lab (e.g. BSC 1011, 1011L; BSC 2011, 2011L*)
   - Microbiology I for Life and Physical Sciences (e.g. BSC 2025)
   - Medical Terminology (e.g. MED 1400)
4. COP XXXX Computer Language Course (Pascal, FORTRAN, C, C+, or C++)
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. PHI 2100 Introduction to Formal Logic
  c. PHI 2600 Ethical Theory
  d. At least one of the following:
     PHI 4300 Theory of Knowledge
     PHI 5225 Philosophy of Language
     PHI 4320 Philosophy of Mind
     PHI 3404 Scientific Method
  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 the completion of at least 18 credit hours which includes the following courses or an approved substitute for one only:
  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 Continental Philosophy or PHH 4600 Contemporary Philosophy
  b) students must take one course from each of the following groups:

Group 1
  a. PHI 3404 Scientific Method
  b. PHI 4320 Philosophy of Mind
  c. PHI 4300 Theory of Knowledge
  d. PHI 5225 Philosophy of Language
  e. PHP 4784 Analytical Philosophy

Group 2
  a. PHI 2600 Ethical Theory
  b. PHI 3011 Contemporary Moral Issues
  c. PHI 3700 Philosophy of Religion
  d. PHI 4800 Aesthetics
  e. PHM 3021 Philosophies of Love and Sex
  f. PHM 3400 Introduction to Philosophy of Law

Group 3
  a. PHP 4788 Philosophy of Marxism
  b. PHP 4745 Empiricists
  c. PHP 4740 The Rationalists
  d. PHP 4410 Kant
  e. PHP 4010 Aristotle
  f. PHP 4000 Plato
  g. PHP 3786 Existentialism
  h. PHP 4300 Theory of Knowledge
  i. PHP 5225 Philosophy of Language
  j. PHP 4320 Philosophy of Mind
  k. PHP 3404 Scientific Method
  l. 9 credit hours of Philosophy electives

(c) Students must take an Honors Seminar in their senior year.
(d) Students must write a senior thesis and undergo an oral examination on the thesis before a committee of two faculty members, with the Chair as an ex officio member of every such committee.
(e) Students cannot receive a grade lower than a "B" in any Philosophy course, and their grade point average in Philosophy must be at least 3.5 to remain, or be graduated from the Philosophy Honors program.
(f) Students must complete 35 credit hours in Philosophy, including the 3-hour thesis course and the 3-hour Honors Seminar.

• Quantitative Analysis
  (e.g. STA 2023*)

7) Statistics
  (e.g. STA 2023*)

In addition to the Common Prerequisites listed above, the following courses are required for the degree at USF: College Algebra (MAC 2102 or MAC 2132) (3)
Determinative Bacteriology (MCB 4115) (5)
Immunology (PCB 5235 or equivalent) (3)
Clinical Chemistry (CHS 4300) (3)
Ability to use computers is essential for work in a modern laboratory. Hospitals recommend elective courses in use of computers and in management.

Upon successful completion of this curriculum and acceptance by one of the affiliated hospitals, the student will complete 12 continuous months of training at that hospital. Hospital programs begin in July or early August each year, and some hospitals also have programs beginning in January or February. During this clinical training, the student will continue to be registered as a full-time student of the University and will receive a total of 30 credit hours of work in:
MLS 4031 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.
• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

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.

Mathematics (any courses).
Foreign Languages (Beginning and Intermediate German, French, or Latin) (1120-1121 level and 2200-2201 level)
Classics (CLT, CLA for example)

PHYSICS (PHY/PHS)
The Department of Physics offers programs leading to a Bachelor of Arts or a Bachelor of Science degree, to a Master of Science degree, and to a Ph.D. in Applied Mathematics or Engineering Science with emphasis in Applied Physics. Both thesis and non-thesis programs are available for the M.S. degree. An interdisciplinary arrangement with the Department of Mathematics and with the College of Engineering provides for the Ph.D. opportunity. Students should consult with the Physics Graduate Advisor for details.

• Requirements for the Majors in Physics

1. Physics Courses

B.A. PHYSICS (PHY) (34 cr. hrs.)
PHY 2048L (1) PHY 3221 (3) PHY 4324 (4)
PHY 2048L (1) PHY 3233 (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 3822L (2) PHY 4910 (1-4)
PHY 2049L (1) PHY 4222 (3) PHY 4930 (1)
PHY 3101 (3) PHY 4324C (4) PHY 5405 (3)
PHY 3221 (3) PHY 4523 (3)

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

Substitutions permitted subject to approval of adviser.

2. Supporting Courses in the Natural Sciences

B.A. and B.S. PHYSICS (20 cr. hrs.)
CHM 2041 CHM 2046L (1) MAC 2313 (4)
CHM 2045L (1) MAC 2311 (4) MAP 2302 (3)
CHM 2046 (3) MAC 2312 (4)

The sequence MAC 3281 (3), MAC 3282 (3), and MAC 3283 (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 (1 above) in residency.

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

Teacher Education Programs
For information concerning the degree programs for secondary school teachers, see Teacher Education Programs this college; for junior college teachers, see USF Graduate Catalog.

• Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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 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 1040 & CHM 1041
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

Students must complete the prerequisite courses listed below prior to being admitted to the upper-division major. Students who do not complete these prerequisites can be admitted to the University, but not to the upper-division major. Unless stated otherwise, a grade of “C” is the minimum acceptable grade.

MAC 2311 Calculus I
MAC 2312 Calculus II
MAC 2313 Calculus III
PHY 2048/2048L General Physics I with Lab or PHY 2048C
PHY 2049/2049L General Physics II with Lab or PHY 2049C

PSYCHOLOGY (PSY)

Psychology involves the scientific study of behavior and mental processes. Because of this focus, psychology is relevant to many other areas of study both inside and outside of the social and behavioral sciences. The undergraduate program in Psychology offers the student a well-rounded liberal arts education. In addition, the program provides excellent training for qualified students who wish to pursue graduate work in such disciplines as Clinical, 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. 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.

- 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**
    - CLP 4143
    - INP 4004
    - SOP 4004
    - DEP 4005
    - PPE 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.
- PSY 4205 is recommended for students planning graduate training. Functional mathematics and biological science are also recommended. 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 minorin in Psychology or those majoring in Interdisciplinary Social Sciences, a grade of "C" or better in any college-level statistics course will substitute for the PSY 3213 requirement.

**Requirements for the Minor in Psychology**

- A minor in Psychology consists of a minimum of 15 credit hours, comprising PSY 2012, PSY 3044, and any three 4000-level psychology courses except PSY 4813. A GPA of 2.0 or better in the minor is required for certification. The purpose of the minor is to help students majoring in other disciplines 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.

- **Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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 within 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.

  - PSY X012 Introduction to Psychology or Any other lower level Psychology course
  - STA XXXX Any level Statistics course
  - DEP XXXX Any level Biology course or Any lower level Zoology course

![USF Logo]

**REHABILITATION COUNSELING (REF)**

A five-year master's program is available to undergraduates where an M.A. degree in Rehabilitation 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, 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 Counseling may be found in the Graduate Catalog and on the internet at http://www.usf.cas.edu/ rehabilitation/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 electives 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 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 Counseling has roots in both the national rehabilitation movement and professional counseling movement. Training emphasizes psychological, social, medical, and vocational aspects of disability, and also the development and refinement of personal adjustment counseling skills. Graduates with an M.A. degree from the USF Department of Rehabilitation Counseling are prepared for careers as both rehabilitation and mental health counselors. A special emphasis is placed on the treatment of substance abuse offered, and other study concentrations can be arranged on an individual basis.
The graduate program in Rehabilitation 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 Certified Rehabilitation Counselor.

**RELIigious 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 in addition 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 35 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)
d. An additional 9 credit hours chosen from Religious Studies courses. Students are expected to study at least two different religious traditions.

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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.

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

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
- ENC 1102 English II
- REL 3201 Introduction to the New Testament
- REL 3210 Hebrew Bible/Old Testament
- any HIS or SOC or ANT Social Studies
- any CLA or HEB Ancient Studies
- any HIS History
- any AML or LIT or ENL Literature
- any PHI Philosophy

**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:

1. to provide for the social work human resources needs of the University service district (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
A student must complete an application for admission and follows:

1. One of the following cross-cultural courses or equivalency
   - Africana Studies:
     - Introduction to the Black Experience
     - Social Institutions and the African-American Community
     - Black Women in America
     - Culture and Society in Africa
     - Racism in American Society
     - Blacks in the American Political Process
   - American Women in Contemporary Society I
   - American Women in Contemporary Society II
   - Issues in Feminism
   - Women’s Studies:
     - Introduction to Women’s Studies
     - Psychology of Women
     - Sex Roles in Cross-Cultural Perspective
     - Ethnic Diversity in the USA
     - The Individual and Culture
   - Anthropology:
     - Introduction to Anthropology
     - The Anthropological Perspective
     - Cultural Anthropology
     - Sex Roles in Cross-Cultural Perspective
     - Ethnic Diversity in the USA
   - Sociology:
     - Racial and Ethnic Relations
   - Women’s Studies:
     - Introduction to Women’s Studies
     - Psychology of Women
     - Sex Roles in Cross-Cultural Perspective
     - 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)

2. 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
       - Sociological Aspects of Deviance
     - Economics:
       - Basic Economics -SS

3. A 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 pre-social work major. This is done by filing a declaration of major form 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)

1. 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
     - Sociological Aspects of Deviance
   - Economics:
     - Basic Economics -SS
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

**Program of Study at a Florida Community/ Junior College or SUS School for Students Planning to Transfer to USF (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. 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 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. Students will be admitted to the Pre-Social Work program upon completion of these five courses:

- American Government
- Biology
- Introduction to Economics
- Macroeconomics or Microeconomics
- Introductory Psychology
- Introductory Sociology or Introduction to Social Problems

Once the following courses are completed and other admissions criteria are met, students may be admitted to the School of Social Work.

- Life cycle course, spanning birth to death in an individual's life, 3-4 semester hours.
- Cross-cultural issues, 3 semester hours.
- SOW 3302 Introduction to Social Work, minimum grade = B.
- SOW 3203 American Social Welfare, minimum grade = B.

*S course phased out as requirement in 1998

**SOCIIOLOGY (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 four 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 4935 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.
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 state of 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 state of 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 state of 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 state of women in many disciplines.

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:

- AFA 4335
- WST 4260
- WST 4930
- ANT 4302
- WST 4262
- WST 5266
- WST 3275
- WST 4263

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

- WST 3010
- WST 4930
- WST 3360
- WST 5934
- WST 4900
- STA 2122
- WST 4910

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

- Program of Study at a Florida Community/Junior College or SUS School for Students Planning to Transfer to USF (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 must 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.

- STA 2122 Social Science Statistics 3
- SYG 2000 Introduction to Sociology 3
- WST 2010 Introduction to Women's Studies 3

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.

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:

- AFA 4335
- WST 4260
- WST 4930
- ANT 4302
- WST 4262
- WST 5266
- WST 3275
- WST 4263

Courses to improve reading and writing skills

- WST 3010
- WST 4930
- WST 4935

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
STUDENT ORGANIZATIONS IN THE COLLEGE OF ARTS AND SCIENCES

Alpha Epsilon Delta (AED) - National Premedical Honor Society - Open to all USF students with an interest in health professions. To be inducted into the national honorary, students must have 3.0 overall GPA and science GPA with a minimum of 3 semesters of college work completed, including one semester at USF. Students do not need to be in the national honorary in order to participate in the chapter at USF.

Alpha Phi Sigma - To recognize and promote high scholastic achievement among students in the Criminal Justice major by supporting service projects, tutoring services, and other goal directed activities.

American Chemical Society - To enhance the students knowledge of chemistry and chemistry related fields.

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.

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.

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.

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.

Arts and Sciences Honor Society - To recognize high academic achievement by students in the College of Arts and Sciences.

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 a service club for students majoring or interested in the social science field who wish to enhance studies and broaden leadership skills.

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.

Communication Council - To encourage and promote extracurricular learning as well as social interaction among communication majors and minors.

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.

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.

Geology Club - The Geology Club at USF involves its members along with the department in many activities such as trips, annual T-shirt sales and extracurricular academic participation. These events include hosting weekly lecture series by professional geologists and providing opportunities for members to teach geology to local elementary schools.

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.

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.

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.

Legal Brief - To publish an annual law journal devoted to the exploration of legal issues through articles, interviews and practice experiences.

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 organization for the School of Social Work students.

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.

Pi 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.

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.

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.

Preoptometry Society - This new society will provide stu-
dents an opportunity to learn more about the profession of
optometry and to meet other students interested in the profes-
sion. Any interested student is invited to join.

Prevetinary Society - USF Prevetinary Society provides
fellowship and exchange among students interested in veteri-
nary 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.

Religious Studies Community Forum (RSCF) - The pur-
pose of RSCF is two-fold. First, we establish cohesion among
students and among students and faculty. Secondly, we also
build a social structure that supports our academic goals and
extends our interaction beyond the classroom.

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.

Student Chapter of the Mathematical Association of
America - A club for students who enjoy doing, discussing and
learning mathematics.

Student Society for Technical Communication-SSTC of-
fers students scholarships, publication competitions, intern-
ship opportunities, resume and computer workshops and
networking socials with local professionals who are estab-
lished in the field.

Women’s Studies Student Association - To promote inter-
est 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: F. U. Ohaeboram, L.
W. Morehouse, P. J. Collins, K. Davis, S. Garcia, M. Mitchell,
J. B. Moore, H. Regis, A. A. Smith, M. D. Stamps, D.
Thomas, B. Townsend, K. Vaz, K. Wiredu.

Anthropology

Chairperson: S. D. Greenbaum; Distinguished Service Pro-
fessor: A. W. Wolfe; Professors: M. V. Angrosino, G.
Kushner, L. M. Whiteford, C. W. Wienen; Associate Professors:
R. D. Baer, S. D. Greenbaum, L. Madrigal, J. J. Smith, N. M. White;
Assistant Professors: C. T. H. Ho, R. H. Tykot, B. R. Weisman,
K. A. Yelvington; Courtesy Faculty: J. Coreil, C. Rodriguez A.
Smith; Other Faculty: K. Borman, T. Purcell, J. Sokolovsky.

Bachelor of Independent Studies

Director: F. Steier; Coordinator: F. Eilers; Area Coordinators:
W. Heim (BIS Humanities), S. Kranc (BIS Natural Sciences),
R. Wheeler (BIS Social & Behavioral Sciences).

Biology

Chairperson: J. T. Romeo; Distinguished Research Profes-
sors: C. J. Dawes, G. E. Woollfenden; Professors: M. R.
Alvarez, G. W. Arendash, S. S. Bell, B. C. Cowell, E. F. Friedl,
G. W. Hinsch, J. M. Lawrence, D. V. Lim, R. L. Mansell, E. D.
Swihart, D. TeStrake, R. P. Wunderlin; Associate Professors:
B. J. Cochran, M. L. Dao, F. I. Eilers, F. B. Essig, P. J. Motta, M.
J. Saunders, P. D. Stilling; Assistant Professors: J. R. Brooks,
A. C. Cannons, J. R. Garey, K. M. Gray, S. A. Karl, K. Mitchell,
M. B. Rogers; Lecturers: C. F. Hendry.

Chemistry

Chairperson: J. C. Davis, Jr.; Distinguished Research Profes-
sors: R. M. Castle, B. Stevens; Distinguished Service Pro-
fessor: D. F. Martin; Professors: J. S. Binford, Jr., R. S.
Braman, J. C. Davis, Jr., S. H. Grossman, M. D. Johnston, Jr., G.
R. Jurch, Jr., L. Mandell, M. Miesels, G. R. Newkome, E. D.
Olsen, R. M. O’Malley, T. C. Owen, J. H. Worrell; Associate
Professors: R. L. Potter, J. A. Stanko, E. Turows, J. E. Weinzierl,
G. R. Wenzinger; Assistant Professors: L. Cardacci, J. Harmon,
K. W. Jung, A. Malik, L. J. Ming, J. Robert; Adjunct Faculty:
J. A. Bartrip, R. Benson, J. W. Palmer; Courtesy Faculty: M.
Ben, R. Connor, P. Doors, B. B. Martin, L. H. Garcia-Rubido, W.
E. Swartz, Jr.

Communication

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

Communication Sciences and Disorders

Chairperson: A. M. Guilford; Professors: A. M. Guilford, J. F.
Scheuerle, D. C. Shepherd, E. R. Silliman, W. Strange;
Associate Professors: J. B. Crittenden, T. Hnath-Chisolm;
Assistant Professor: R. Huntley Bahr; Instructors: P. Blake-
Rahter, P. Carr, L. Carrera, W. Collins, S. Diehl, N. Diss, C.
Fernandez, C. Ford, S. Graham, E. Kaplon, V. Laughlin, K.
Smith, K. Richardson, M. J. Witkind.

Criminology

Chairperson: W. R. Blount; Professors: W. R. Blount, R.
Dembo, J. B. Halsted, K. M. Heide, I. J. Silverman, M.
Silverman, L. Territo; Associate Professors: M. Bromley, J.
Cochran, C. Greek, T. Mieczkowski, C. Sellers; Assistant
Professors: W. Palacios; Professor Emeritus: T. J. Reilly; M.
Vega; Courtesy Appointment: J. Feegal, Academic Adminis-ator: M. Johnson.

Economics

Chairperson: J. W. Rowe, Jr.; Professors: D. M. Bellante, T.
D. Curtis, J. S. DeSalvo, K. Gyiham-Brempong, J. S. Hodgson,
M. G. Hierander, P. K. Porter, J. W. Rowe, Jr., E. W. Shows;
Professors Emeriti: G. Brunhilde, W. J. Herman; Associate
Professors: J. P. Cooke, E. J. Ford, C. A. Green, E. A. Hanni,
Assistant Professors: B. Kamp, S. S. Lee, G. Picone, J.
Racine, J. Swinton; Lecturers: S. Bartlett, S. Brandmeyer, V.
H. Grigg.

English

Chairperson: S. M. Deats; Professors: J. P. W. Rogers
(DeBartolo Chair in the Liberal Arts), L. R. Broer, S. M.
Fiore, W. Garrett, J. S. Hatcher, E. F. Henley, E. W. Hirshberg
Emeritus), J. J. Iorio, D. L. Kaufmann, A. J. Kubiak, J. B.
Moore, W. E. Morris, J. M. Moxley, G. A. Olson, W. D.
Smith, D. A. Wells;
Environmental Science and Policy

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

Geography


Geology


Gerontology


History


Humanities and American Studies

Chairperson: S. L. Gaggi; Professors: C. B. Cooper, S. L. Gaggi, T. B. Hoffman (Emeritus), H. Juergensen (Emeritus), G. S. Kashdin (Emeritus), E. M. MacKay (Emeritus), J. Moore, D. Rutenburg (Emeritus); R. E. Snyder, A. J. Sparks, S. A. Zylstra; Associate Professors: R. A. Banes, P. J. Brewer; Assistant Professors: D. Beigard, J. D’Emilio, N. Yavneh; Other Faculty: S. A. Zylstra.

Interdisciplinary Social Sciences

Coordinator: R. J. Gagan; Professor: S. M. D. Stamps, Jr., R. H. Wheeler; Associate Professor: S. E. Cahill; Assistant Professor: C. R. Kasee; Lecturer: R. J. Gagan.

International Studies

Director: D. Sluder; Professors: C. W. Arnaud, A. Hechiche, H. W. Nielsen, M. T. Orr; Associate Professors: M. M. Ament, R. Barviski, E. Conte-Morgan, S. S. Northcutt; D. Sluder; Assistant Professor: D. Peng; Joint Appointments; Professors: F. U. Ohaegbulam, H. Vanden; Associate Professors: K. R. Glover, R. Khator, M. Milani.

Languages & Linguistics


Library and Information Science


Marine Science


Mass Communications


Mathematics


Medical Technology

Director: C. F. Hendry; Courtesy Professors: I. L. Browarsky (Tampa General Hospital), W. Burgert (Tallahassee Memorial Regional Medical Center), N. M. Hardy (University Medical College (Jacksonville)), R. J. Grant, M. V. Garvin, V. Yang, M. A. Patterson (St. Vincent’s Medical Center); Courtesy Lecturers: L. Chakkaphak (St. Vincent’s Medical Center), L. Ferguson (Tampa General Hospital), V. Craig (Tallahassee Memorial Regional Medical Center), P. Rogers (Florida Hospital), J. Sigler (University Medical Center).

Philosophy

Chairperson: W. H. Truitt; Professors: J. P. Anton (Distinguished Professor of Greek Philosophy & Culture), J. A. Bell, P. A. French (Cole Chair in Ethics), J. A. Gould, L. M. Malcler,

Sociology
Chairperson: D. Loseke; Professors: C. Ellis, D. Stamps; Associate Professors: G. Brandmeyer, S. Cahill, J. Friedman, B. Gunter, R. Hansen, M. Kleinman, Assistant Professors: L. Gellert, S. Green, L. Hutch, C. Ponticelli; Visiting Assistant Professor: L. Mayfield-Brown, Instructor: R. Buentee; Emeriti: R. Francis, E. Nesman.

Women's Studies
Chairperson: L. L. McAlister; Professor: L. L. McAlister, Associate Professors: M. Myerson, J. B. Snook; Assistant Professors: J. Bartsch, C. DiPalma, G. Grewal, K. Vaz; Courtesy Associate Professors: R. A. Banes, L. M. Whiteford.

ARTS AND SCIENCES COURSES

African Studies

AFA 4150 AFRICA AND THE UNITED STATES -SS -HP -AF (3) 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 (3) 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 (3) An interdisciplinary survey of the contemporary experiences 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 (2-3) Independent readings in a particular area of African and Afro-American Studies selected by student and instructor.
AFA 4931 SELECTED TOPICS IN AFRICANA STUDIES (1-3) 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 19th century, Comparative Economic Problems in Africa.

AFH 3100 AFRICAN HISTORY TO 1850 -HP -AF (3) An outline survey of pre-colonial African history including a prefatory study 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 (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 post independence problems of national building and economic development. (Also listed under History.)
AFS 2250 CULTURE AND SOCIETY IN AFRICA -6A- AF (3) Topics include: African religion, value systems, art and the aesthetics, family and life-cycle, impact of Islam and Christianity and conflict of cultures.
AFS 3251 ENVIRONMENTAL-CULTURAL STUDY IN AFRICA -SS- AF- FA (3) PR: AFS 2250 or CI. Study tour. A study of traditional African society and culture, the relationship between life and the environment, and the impact of modernization on the culture and the environment.
PHM 4120 MAJOR BLACK THINKERS -XMW (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. (Also offered under History.)

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. (Also offered under History.)

AML 3604 AFRICAN AMERICAN LITERATURE -6A -XMW (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 under English Department.)

AMS 3700 RACISM IN AMERICAN SOCIETY -SS -HP (3)
An introduction to the causes and effects of racism in American history, literature, art, the media, and folklore. Related concepts of enourcistcinicism and class conflict will also be studied. (Also offered under American Studies.)

ANT 4340 THE CARIBBEAN -6A -XMW (3)
A study of Latin American literature from the nineteenth century to the present. Main topics 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 Anthropology.)

CPO 4204 GOVERNMENT AND POLITICS OF AFRICA -SS -AF (3)
Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies, politics under colonial rule; the struggle for independence, and post-independence politics.

CPO 4244 GOVERNMENT AND POLITICS OF EAST, CENTRAL AND SOUTHERN AFRICA (3)
In depth study of political developments, ideologies and modernization in East, Central and Southern Africa including race relations and white minority rule in Southern Africa.

HUM 2420 ARTS AND MUSIC OF THE AFRICAN PEOPLE (3)
An examination of the visual arts, sculpture, architecture and music of Sub-Saharan Africa; their meaning and impact on the arts and music of the Western World.

INR 4254 AFRICA IN WORLD AFFAIRS -XMW (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 U.N. and its agencies.

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.

PHI 4073 AFRICAN PHILOSOPHY -6A -XMW (3)
A descriptive and analytical study of African philosophical thought, featuring reflective comparisons of African and Western categories of thought. (Also offered under Philosophy.)

PHM 4120 MAJOR BLACK THINKERS -XMW (3)
Survey of major themes and issues in African/African-American intellectual and political thought with an emphasis on theories of nationalism. Works of individuals such as Martin Delany, Booker T. Washington, W. E. B. DuBois, Marcus Garvey, Malcolm X, and Angela Davis are considered.

PUP 3313 BLACKS IN THE AMERICAN POLITICAL PROCESS (3)
A survey 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. (Also offered under Political Science.)

SPC 3712 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 Communication.)

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 both physical and social perspective. Surveys the four major branches of anthropology: physical anthropology (human biology), archaeology (the analysis of 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 3000 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 enabling 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 3100 ARCHAEOLOGY -SS (3)
PR: ANT 2000 or CI. 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 3511 BIOLOGICAL ANTHROPOLOGY -NS (3)
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 languages 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 3000 or CI. Offered as all or part of a summer (or other semester) field session. May or may not be combined with Florida Archaeology and Laboratory Methods in Archaeology. Students learn appropriate methods of archaeological survey, excavation, data and materials recovery, recording, and processing.

ANT 4153 NORTH AMERICAN ARCHAEOLOGY -6A (3)
PR: ANT 3100 or CI. An examination of the evidence regarding the human settlement of North America from its
ANT 4158 FLORIDA ARCHAEOLOGY (3)  
PR: ANT 3100 or CI. Culture history and culture process over 10,000 years from the time of the first people in Florida (Florida Indians) through the early European contact. 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 session, combined with Field Methods in Archaeology and Laboratory Methods in Archaeology.

ANT 4162 SOUTH AMERICAN ARCHAEOLOGY (3)  
PR: ANT 3100 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 3100 or CI. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultures such as Olmec, 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 -XMW (3)  
PR: ANT 3100 or CI. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classwork.

ANT 4180 LABORATORY METHODS IN ARCHAEOLOGY (2-4)  
PR: ANT 3100 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 3100 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 4185 ANTHROPOLOGY OF ART -6A -XMW (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 4302 SEX ROLES IN CROSS-CULTURAL PERSPECTIVE (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 societies 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. May also be surveyed. (Also offered under African Studies.)

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 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 child-rearing practices, psychosomatic illness and curing. Discussion of theories and models of personality development with special reference to their applicability to the emerging field of cross-cultural mental health planning.

ANT 4442 URBAN LIFE AND CULTURE (3)  
PR: ANT 2410 or CI. A comparative 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 4452 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 in their relationship to ideology. Emphasis on 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 formation, selection of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research designs and models from the case literature are studied and supervised research in the local community is designed and carried out.

ANT 4520 FORENSIC ANTHROPOLOGY (3)  
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 3511 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 3511 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 4587 HUMAN VARIATION (3)  PR: ANT 3511 or CI. An overview of evolution and biocultural 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 linguistic and other cultural systems of knowledge.

ANT 4740 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.

ANT 4932 HONORS SEMINAR (4)  PR: Admission to the honors program in anthropology and a text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial life, interacting galaxies, cosmology.

ANT 4935 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 4970 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 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 3032C ILLUSTRATIVE 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 a text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial 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 3562 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 5932 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.

Bachelor of Independent Studies

HUM 4909 BIS HUMANITIES, INDEPENDENT STUDY (15)  (S/U only)

HUM 4939 BIS HUMANITIES, SEMINAR (15)  PR: BIS HUM 4909 or CI (S/U only)

IDS 4930 BIS INTER-AREA STUDIES (30)  PR: ISS 4909, ISS 4939, ISC 4909, ISC 4939, HUM 4909, HUM 4939. (S/U only)

ISC 4909 BIS NATURAL SCIENCES, INDEPENDENT STUDY (15)  (S/U only)

ISC 4939 BIS NATURAL SCIENCES, SEMINAR  PR: BIS ISC 4909 or CI (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. Student 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.
- **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.
  - **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.
  - **BOT 4424C PLANT SYSTEMATICS**
  - **PR:** BOT 3373C or MCB 3030C. A survey of the fungi with emphasis on their taxonomy, morphology, physiology and economic importance. Lec-lab.
  - **BOT 4503 PLANT PHYSIOLOGY**
  - **PR:** PCB 3023. Fundamental activities of plants: absorption, translocation, transpiration, metabolism, growth, and related phenomena. Lec.
  - **BOT 4503L PLANT PHYSIOLOGY LABORATORY**
  - **CR/PR:** BOT 4503. Laboratory portion of Plant Physiology.
  - **BOT 4613C PLANT TAXONOMY**
  - **PR:** BOT 3373C. Principles of vascular plant systematics and evolution. Lec-lab.
  - **BOT 4810 ECONOMIC BOTANY**
  - **PR:** BOT 3373C. Study of the uses of plants by man for food, chemicals, fibers, and medicines. Lec.
  - **BOT 4850 MEDICAL BOTANY**
  - **PR:** BSC 2010, 2010L, BSC 2011, 2011L, CHM 3211, 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.
  - **BSC 4180C MARINE BIOLOGY**
  - **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. Lec-lab.
  - **BSC 1005 BIOLOGICAL PRINCIPLES FOR NON-MAJORS-NS**
  - **BSC 2010L BIOLOGY I CELLULAR PROCESSES LABORATORY**
  - **CR/PR:** BSC 2010. Laboratory portion of Biology I Cellular Processes.
  - **BSC 2011 BIOLOGY II-DIVERSITY-NS**
  - **CR/PR:** BSC 2011. Laboratory portion of Biology II Diversity.
  - **BSC 2022 BIOLOGY OF AGING-NS**
  - **PR:** BSC 2010, 2010L, 2011, 2011L. 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.
  - **BSC 2050 ENVIRONMENT-NS**
  - **PR:** BSC 2010, 2010L, BSC 2011, 2011L. 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. Lec.
  - **BSC 2092 HUMAN ANATOMY & PHYSIOLOGY**
  - **PR:** BSC 2010. Structure and functions of the human body. Lec.
  - **BSC 2930 SELECTED TOPICS IN BIOLOGY**
  - **PR:** BSC 2010. Topics of the earth’s environment. Lec.
  - **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.
  - **BSC 4057 ENVIRONMENTAL ISSUES-XMW**
  - **BSC 4402L BIOLOGICAL RESEARCH METHODS**
  - **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 students. S/U only.
  - **BSC 4850 SOCIOBIOLOGY**
  - **PR:** BSC 2010, 2010L, BSC 2011, 2011L. An analysis of Animal and human behavior such as sex, territoriality, and aggression in the context of evolution. This course is restricted to seniors.
  - **BSC 4905 INDEPENDENT STUDY**
  - **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. S/U only.
  - **BSC 4910 UNDERGRADUATE RESEARCH**
  - **PR:** CI and CC. Individual investigation with faculty supervision. S/U only.
  - **BSC 4931 BIOLOGY HONORS SEMINAR I**
  - **PR:** CI and CC. Individual investigation with faculty supervision. S/U only.
  - **BSC 4932 BIOLOGY HONORS SEMINAR II**
  - **PR:** CI and CC. Individual investigation with faculty supervision. S/U only.
  - **BSC 4933 SELECTED TOPICS IN BIOLOGY**
  - **PR:** CI and CC. Individual investigation with faculty supervision. S/U only.
  - **BSC 4970 BIOLOGY HONORS THESIS**
  - **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.
ECOLOGY

PCB 3043 PRINCIPLES OF ECOLOGY (3)
PR: BSC 2010, 2010L, BSC 2011, 2011L. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lec.

ENY 5005C AQUATIC ENTOMOLOGY (3)
PR: ENY 4004C or CI. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec-lab.

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

MCB 4910 MICROBIOLOGY UNDERGRADUATE RESEARCH (1-4)
PR: CI AND CC. Individual investigation with faculty supervision. S/U only.

ZOO 2203 INVERTEBRATE ZOOLOGY (3)
PR: BSC 2010, 2010L, BSC 2011, 2011L. An introduction to the major invertebrate groups with emphasis on local forms. Field work will be required. Lec.

ZOO 2203L INVERTEBRATE ZOOLOGY LABORATORY (1)
CR/PR: ZOO 2203. Laboratory portion of Invertebrate Zoology.

ZOO 2713C COMPARATIVE VERTEBRATE ANATOMY (4)

ZOO 4513C ANIMAL BEHAVIOR (3)
PR: PCB 3043 and PCB 3063. An introduction to comparative animal behavior (Ethology) with emphasis on communication, social use of space, and behavioral evolution. Lec.

ZOO 4603C ANIMAL EMBRYOLOGY (4)

ZOO 4753C HISTOLOGY (4)
PR: PCB 3023. Comparative approach to the study of tissues and the relation of their structure and function. Lec-lab.

ZOO 5235 PARASITOLOGY (3)
PR: BSC 2010, 2010L, BSC 2011, 2011L or CI. Fundamentals of animal parasitology and parasitism, the biology...
of selected animal parasites, including those of major importance to man.

ZOO 5425C HERPETOLOGY (1)
PR: ZOO 2713C or CI. Major aspects of amphibian and reptilian biology emphasizing fossil history, evolutionary morphology, sensory physiology, life history and reproductive behavior. Field trip-Lec.-lab.

ZOO 5465C ICHEMISTRY (1)
PR: ZOO 2713C or CI. Evolution, systematics, structure, behavior, physiology, and ecology of fishes. Lec-lab.

ZOO 5555C MARINE ANIMAL ECOLOGY (4)
PR: PCB 3043 or CI. Investigation of energy flow, bio-geochemical cycles, and community structure in marine environments. Lec-lab.

Chemistry

BCH 3023 INTRODUCTORY BIOCHEMISTRY (3)
PR: CHM 2200 or CHM 2211 and BSC 2010C. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec.

BCH 3023L BASIC BIOCHEMISTRY LABORATORY (2)
CR: BCH 3023. Practical work in determination and characterization of important biomolecules. Lec.-lab.

BCH 4034 ADVANCED BIOCHEMISTRY (3)
PR: BCH 3023L. An advanced undergraduate course emphasizing such topics as metabolic regulation, DNA and RNA structure and function, receptors, channels, antibodies, and contraction.

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 (3)
A one-semester terminal course designed to survey some of the important concepts and technologies of modern chemistry. No credit for science majors.

CHM 2030 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY I (3)
First half of a two-semester sequence. Fundamental concepts of general, organic, and biological chemistry. No credit for science majors.

CHM 2031 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY II (3)
PR: CHM 2030. Second half of general, biological and organic chemistry. No credit for science majors.

CHM 2040 INTRODUCTORY GENERAL CHEMISTRY -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 2041 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 2046 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 2046, CHM 2046L. 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)

CHM 2932 SELECTED TOPICS IN CHEMISTRY (3)
Topics of interest to students relating to chemistry and other sciences.

CHM 3210C ELEMENTARY ANALYTICAL CHEMISTRY (4)

CHM 3400 ELEMENTARY PHYSICAL CHEMISTRY I (3)
PR: CHM 2046, CHM 2046L, MAC 2281 or MAC 2311, PHY 2054, PHY 2054L. Introduction to thermodynamics. Properties of solutions with emphasis on biological applications.

CHM 3401 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 3610C INTERMEDIATE INORGANIC CHEMISTRY (4)
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. Lec.-lab.

CHM 4060 USE OF THE CHEMICAL LITERATURE (1)
PR: 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 -6A -XMW (3)
PR: One year of college chemistry; or senior standing and CI. A study in depth of the historical and philosophical aspects of outstanding chemical discoveries and theories. Lec.-dis.

CHM 4130C METHODS OF CHEMICAL INVESTIGATION I (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 II (4)
PR: CHM 4130C. Continuation of CHM 4130C.

CHM 4200 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.
CLA 3103 GREEK CIVILIZATION -HP (3) Study of Ancient Greek Civilization with emphasis on social customs, political institutions, and daily life.

Courses in Translation
CLT 3040 CLASSICAL WORD ROOTS IN SCIENCE (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.

Greek
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 RESEARCH (1-4) Departmental approval required.

GRW 5934 SELECTED TOPICS (4) Study of an author, movement or theme. May be repeated up to 12 credit hours.

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 philosophical 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 philosophical 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 4644 CICERO (4) PR: Basic knowledge of Latin. Readings in the epistles of Cicero.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNW 4654</td>
<td>HORACE</td>
<td>4</td>
<td>PR: Basic knowledge of Latin. Readings in the Odes and Epodes of Horace; study of the Ode's tradition.</td>
</tr>
<tr>
<td>LNW 4670</td>
<td>OVID</td>
<td>4</td>
<td>PR: LAT 1121 or equivalent. Readings in Ovid's Metamorphoses. Study of Ovid's technique, style, and artistry.</td>
</tr>
<tr>
<td>LNW 4660</td>
<td>DIRECTED READING</td>
<td>1-4</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>LNW 4930</td>
<td>SELECTED TOPICS</td>
<td>4</td>
<td>Study of an author, movement, or theme.</td>
</tr>
<tr>
<td>LNW 5900</td>
<td>DIRECTED READING</td>
<td>1-4</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>LNW 5934</td>
<td>SELECTED TOPICS</td>
<td>4</td>
<td>Study of an author, movement or theme. May be repeated up to 12 credit hours.</td>
</tr>
</tbody>
</table>

**Communication**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 2000</td>
<td>INTRODUCTION TO COMMUNICATION -SS</td>
<td>3</td>
<td>Introduction to the roles, contexts, and issues in contemporary human communication. Required of Communication majors.</td>
</tr>
<tr>
<td>COM 3014</td>
<td>COMMUNICATION, GENDER AND IDENTITY</td>
<td>3</td>
<td>Examines the communicative origins and implications of gender roles.</td>
</tr>
<tr>
<td>COM 3110</td>
<td>COMMUNICATION FOR BUSINESS AND THE PROFESSIONS</td>
<td>3</td>
<td>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 hearing. Note: For non-majors only.</td>
</tr>
<tr>
<td>COM 3120</td>
<td>INTRODUCTION TO COMMUNICATION THEORY IN ORGANIZATIONS</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>COM 3122</td>
<td>INTERVIEW COMMUNICATION</td>
<td>3</td>
<td>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 mass lecture.</td>
</tr>
<tr>
<td>COM 3122L</td>
<td>INTERVIEW COMMUNICATION LAB</td>
<td>0</td>
<td>Interview laboratory for practice and individual consultation. Students must take this course in conjunction with the mass lecture. COM 3122. Open to majors and non-majors. Not repeatable.</td>
</tr>
<tr>
<td>COM 4030</td>
<td>WOMEN AND COMMUNICATION -6A -XMW</td>
<td>3</td>
<td>Examines women's patterns of communication in a variety of contexts. Cross-listed with Women's Studies.</td>
</tr>
<tr>
<td>COM 4015</td>
<td>WRITING LIVES -6A</td>
<td>3</td>
<td>PR: Junior/Senior standing or Cl. Emphasizes writing stories about our lives and the lives of others as a way to understand, cope with and communicate social experiences.</td>
</tr>
<tr>
<td>COM 4027</td>
<td>COMMUNICATING ILLNESS, GRIEF, AND LOSS -6A</td>
<td>3</td>
<td>PR: Junior/Senior standing or Cl. Focus on stories of illness, grief, and loss to make sense of these experiences; 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.</td>
</tr>
<tr>
<td>COM 4124</td>
<td>COMMUNICATION AND ORGANIZATIONAL CHANGE</td>
<td>3</td>
<td>PR: COM 3120 or Cl. An advanced course covering current issues in organizational transformation (e.g., organization design, learning organizations, reengineering work teams), and the role communication processes play in such changes.</td>
</tr>
<tr>
<td>COM 4942</td>
<td>COMMUNICATION INTERN SEMINAR</td>
<td>3</td>
<td>PR: Communication major, minimum GPA 3.0. 75 hours completed, 15 hours of core requirements and 9 elective hours completed, and Cl. 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.</td>
</tr>
<tr>
<td>COM 5930</td>
<td>TOPICS IN COMMUNICATION STUDIES</td>
<td>3</td>
<td>Topical issues in communication. Rpt. up to 12 hours as topics vary.</td>
</tr>
<tr>
<td>ORI 2000</td>
<td>INTRODUCTION TO COMMUNICATION AS PERFORMANCE</td>
<td>3</td>
<td>Designed to develop proficiency in the understanding and oral communication of literary and other written materials.</td>
</tr>
<tr>
<td>ORI 3950</td>
<td>COMMUNICATION AS PERFORMANCE LAB</td>
<td>1-3</td>
<td>PR: ORI 2000 or Cl. The study, rehearsal, and performance of literature for Readers Theatre and Chamber Theatre productions. May be repeated (maximum total six hours).</td>
</tr>
<tr>
<td>ORI 4120</td>
<td>PERFORMANCE OF POETRY</td>
<td>3</td>
<td>PR: ORI 2000 or Cl. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic theory and prosodic techniques.</td>
</tr>
<tr>
<td>ORI 4310</td>
<td>GROUP PERFORMANCE OF LITERATURE</td>
<td>3</td>
<td>PR: ORI 2000 or Cl. Designed to introduce the student to and give experience in various forms of group approaches to performance.</td>
</tr>
<tr>
<td>ORI 4931</td>
<td>PERFORMANCE AND VIDEO</td>
<td>3</td>
<td>PR: ORI 2000. CR: ORI 3950. This course features adaptation, direction, and performance of literature for video productions.</td>
</tr>
<tr>
<td>ORI 5930</td>
<td>TOPICS IN PERFORMANCE GENRES</td>
<td>3</td>
<td>Variable topics course. Rpt. up to 12 hours as topics change.</td>
</tr>
<tr>
<td>SPC 2600</td>
<td>PUBLIC SPEAKING -SS</td>
<td>3</td>
<td>The nature and basic principles of human communication; emphasis on improving speaking and listening skills common to all forms of oral communication through a variety of experience in public discourse.</td>
</tr>
<tr>
<td>SPC 2541</td>
<td>PERSUASION</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>SPC 3210</td>
<td>COMMUNICATION THEORY</td>
<td>3</td>
<td>PR: Junior standing or Cl. The study of source, message, and receiver variables in human communication; communication settings; descriptive and predictive models of communication; communication as a process.</td>
</tr>
<tr>
<td>SPC 3230</td>
<td>RHETORICAL THEORY -HP</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>INTER/PERSONAL COMMUNICATION -SS</td>
<td>3</td>
<td>PR: Junior standing or Cl. A study of interpersonal communication in informally structured settings with emphasis on the understanding, description, and analysis of human communication.</td>
</tr>
<tr>
<td>SPC 3441</td>
<td>GROUP COMMUNICATION</td>
<td>3</td>
<td>PR: Junior standing or Cl. 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.</td>
</tr>
<tr>
<td>SPC 3513</td>
<td>ARGUMENTATION AND DEBATE</td>
<td>3</td>
<td>PR: Junior standing or Cl. Study of principles of argumentation as applied in oral discourse, analysis of evidence and modes of reasoning. Practice in debate preparation and delivery.</td>
</tr>
</tbody>
</table>
| 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 4905 UNDERGRADUATE RESEARCH (1-3)**
- PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. May be repeated.

**SPC 4903 HONORS READINGS (3)**
- PR: Admission to Communication Honors Program. Faculty supervised readings directed toward preparation of a proposal for an undergraduate honors thesis. May be repeated up to six credits.

**SPC 4905 UNDERGRADUATE RESEARCH (1-3)**
- PR: Senior standing, minimum GPA 2.5, 15 hours of core requirements and 9 elective hours completed, and CI. Maximum 6 hours. Individual investigations with faculty supervision.

**Communication Sciences and Disorders**

**SPA 3001 INTRODUCTION TO INTERPRETING IN PUBLIC SCHOOLS (3)**
- PR: Admission to ISI Program. CR: SPA 3001L. This course introduces the overview of the roles and responsibilities of interpreters for the deaf working in public school classes grades K-12 and the overview of historical and current public school practices and educational interpreting in the U.S. This course is designed for ISI majors but may be elected by non-majors with the approval of the instructor.

**SPA 3001L INTRODUCTION TO INTERPRETING IN PUBLIC SCHOOLS LAB (1)**
- PR: Admission to ISI Program. CR: SPA 3001L. The lab assists students in assessing and interpreting their interpreting and transliterating skills through videotapes of simulated interpreting assignments.

**SPA 3002 INTRODUCTION TO DISORDERS OF SPEECH AND LANGUAGE (3)**
- PR: Junior standing and CI. The scope of speech-language pathology as a profession and a field of study. An introduction to speech and language disorders, etiologies, major treatment approaches, and research findings.

**SPA 3003 OVERVIEW OF LANGUAGE LEARNING IN DEAF CHILDREN (3)**
- PR: Admission to ISI Program. CR: SPA 3003L. Overview of language development of deaf children from infancy through young adulthood, including various theories of language development in the deaf and communication/language of the deaf assessment techniques, and interpreting skills related to learning processes. This course is restricted to majors only.

**SPA 3003L OVERVIEW OF LANGUAGE LEARNING IN DEAF CHILDREN LAB (1)**
- PR: Admission to ISI Program. CR: SPA 3003L. An exploration 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 learning as a basis for differentiating developmental delay or disorder of language.

**SPA 3011 INTRODUCTION TO SPEECH SCIENCE (3)**
- PR: SPA 3101 and SPA 3112. Concentrated study of the acoustic, physiological and perceptual aspects of sound as related to normal and pathological speech communication. Introduction to instrumentation and measurement 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 orientes the student to the vari-
abilities extend in oral-oral 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.

SPA 4330 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 3101 ANATOMY AND PHYSIOLOGY OF THE
SPHINX HUMAN HERNIATING MECHANISM
(3)
PR: Junior standing and CI. The neurological and anatom-
ical basis of communication disorders. Comparisons of
normal and pathologic organic structures and their func-
tional dynamics.

SPA 3112 APPLIED PATHEOLOGICS 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 3110 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
(4)
PR: CI. Introduction to American Sign Language (ASL) as
used in the deaf community. General discussion of ASL
structure and introduction to various manual communica-
tion 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 4930 and SPA 3310. Observation and participa-
tion in speech-language pathology and audiology prac-
tice in the University clinical laboratory.

SPA 4201 PHONOLOGICAL DEVELOPMENT AND
DISORDERS
(3)
PR: SPA 3011. An examination of normal and deviant
articulatory acquisition and behavior. Presentation of ma-
jor theoretical orientations and the therapeutic principles
based upon them.

SPA 4210 VOCAL DISORDERS
(3)
PR: SPA 3011 and SPA 3310. A comprehensive study of
the medical and physical aspects of voice disorders. Pri-
mary 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 stammering 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: CI. Semiotic and linguistic consideration of American
Sign Language (ASL). Includes aspects of phonology,
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 opportu-
nity to practice one of the sign systems.

SPA 4363 NATURE AND NEEDS OF HEARING IMPAIRED
(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, communica-
tive, 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 in-
cluded.

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 instruc-
tional/non-instructional activities and the development of
communication modes and languages used by deaf children.
Includes interpreting practices and understanding teach-
ing 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 subjects
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 4386L. This
course provides advanced techniques for interpreting instruc-
tional/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 assess-
manship 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
assessed 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 inter-
preter, and participate in discussion about the overall
performance. This course is restricted to majors only.

SPA 4562 COUNSELING OF COMMUNICATIVELY
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 4930 SELECTED TOPICS
(3)
PR: CI. Intensive study of topics in Speech-Language
### Course Descriptions

**CCJ 3610 THEORIES OF CRIMINAL BEHAVIOR** (3)
- Focus: Concentration 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.
- **PR:** CCJ 3024 or CCJ 3610 or CI.

**CCJ 4109 CRITICAL ISSUES IN POLICING** (3)
- Focus: On 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.
- **PR:** CCJ 3024 or CCJ 4110 or CI.

**CCJ 4110 AMERICAN LAW ENFORCEMENT SYSTEMS** (3)
- Focus: 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.
- **PR:** CCJ 3024 or CCJ 3610 or CI.

**CCJ 4160 ENVIRONMENTAL LAW AND CRIME** (3)
- Focus: Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.
- **PR:** CCJ 3024 or CCJ 3610 or CI.

**CCJ 4273 CRIMINAL RIGHTS AND PROCEDURES** (3)
- Focus: Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.
- **PR:** CCJ 3024 or CI.

**CCJ 4282 CORRECTIONAL LAW** (3)
- Focus: The course provides students with an introduction to issues in correctional administration in both institutional and community corrections.
- **PR:** CCJ 3024 or CCJ 3610 or CI.

**CCJ 4291 ALTERNATIVE INSTITUTIONAL OPTIONS** (3)
- Focus: This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment modalities.
- **PR:** CCJ 3024 or CCJ 3610 or CI.

### Speech and Language Pathology

**SPA 5132 AUDIOMETRY INSTRUMENTATION** (2)
- **PR:** CI. Calibration, usage and specific applications of specialized instruments available in dealing with the identification and measurement of hearing disorders.

**SPA 5150 ADVANCED SPEECH SCIENCE** (3)
- **PR:** SPA 3011 or equivalent. Advanced study of the acoustic, production and perception of normal and disordered speech.

**SPA 5150L SPEECH SCIENCE INSTRUMENTATION** (2)
- **PR:** CI or SPA 3011 or equivalent. This course offers experience in the use of speech recording, monitoring and analyzing equipment for the evaluation of normal and disordered voice and speech characteristics.

**SPA 5303 ADVANCED HEARING SCIENCE** (3)
- The study of the physiological 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 control 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 5403 COMMUNICATION DISORDERS: LANGUAGE** (3)
- **PR:** CI. Examination of research and clinical literature presenting major theoretical orientations pertaining to the etiology, evaluations, and treatment of those factors that hinder or interrupt normal language acquisition or function.

**SPA 5408 LANGUAGE LEARNING IN THE SCHOOL-AGE YEARS** (3)
- Metalinguistic and metacognitive development are linked to the interactional demands of classroom and clinical discourse; observational tools are applied to evaluation and intervention planning.

**SPA 5506 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY 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.

### 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 is 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.
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 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 4540 JUVENILE CORRECTIONAL ALTERNATIVES (3)
PR: CCJ 4501 or CI. Focuses on juvenile correctional characteristics found in 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 4506 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 processes, 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.

CCJ 4604 ABNORMAL BEHAVIOR AND CRIMINALITY (3)
PR: CCJ 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.

CCJ 4652 JUVENILE SUBSTANCE USE (3)
PR: CCJ 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 effects of use of various drugs, the drugs-crime connection, prevention, early intervention and treatment efforts, and drug use policy.

CCJ 4700 STATISTICAL RESEARCH METHODS IN CRIMINAL JUSTICE II (3)
PR: CCJ 3610 or CCJ 3660 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 CCJ at USF. This course may not be taken for credit if the student has already successfully completed STA 3122 or GEB 3121.

*CCJ 4900 DIRECTED READINGS (1-3)
PR: CI. This course is specifically designed to enable advanced students the opportunity to do in-depth independent 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 CCJ 4900 or CCJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major.

*CCJ 4910 DIRECTED RESEARCH (1-3)
PR: CI. This course is designed to provide students with a research experience in which they will work closely with faculty on the development and implementation of research projects in the area of criminal justice. No more than five hours of CCJ 4910 or CCJ 4900 or any combination of the two will be accepted toward the minimum number of hours required for the major.

CCJ 4933 SELECTED TOPICS IN CRIMINOLOGY (3)
PR: Junior standing. Lecture course. Topic varies and is designed to address a wide variety of issues in criminology and criminal justice. Open to non-majors with CI.

CCJ 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: CCJ 4933 and CCJ 4934. No more than 8 hours of CCJ 4933, CCJ 4934, or any combination of the two will be accepted toward the minimum number of hours required for the major.

CCJ 4940 INTERNSHIP FOR CRIMINAL JUSTICE MAJORS (3)
PR: Senior standing. The internship will consist of placement with one or more of the agencies comprising the criminal justice system. This course will enable the student 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 assignments. See requirements for the B.A. degree in Criminal Justice 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 attention to the scientific aspects of criminal investigation and the management of major cases.

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 finance. (No credit after completing ECO 2023/2013.)

ECO 2013 ECONOMIC PRINCIPLES (MICROECONOMICS) -SS (3)
Introduction to the theory of income determination with emphasis on monetary and fiscal policies. Objectives of full employment, price stability, economic growth, balance of payments stability.

ECO 2023 ECONOMIC PRINCIPLES MICROECONOMICS -SS (3)
PR: ECO 2013. 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 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. (No credit after completing ECO 3101.)

ECO 3101 INTERMEDIATE PRICING THEORY (3)
PR: ECO 2023. The price system and allocation of scarce resources between competing uses. (No credit after completing ECO 3100.)

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 aggregate supply.

ECO 3622 AMERICAN ECONOMIC HISTORY (3)
PR: ECO 2023. Growth and evolution of American economic 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 commercial policy.

ECO 4101 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 certainty, markets for capital and labor, game theory, production and exchange efficiency, social welfare, and efficiency consequences of market and non-market allocation.

ECO 4103 ADVANCED MACROECONOMIC THEORY  
PR: Grade of “B” or better in ECO 3203. An advanced survey of special topics in macroeconomics. Develops and contrasts the neoclassical growth, endogenous growth, real business cycle and new Keynesian models. Relevant empirical studies are presented.

ECO 4303 HISTORY OF ECONOMIC THOUGHT  (3)  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. 

ECO 4323 MARXIST POLITICAL ECONOMY -XMW  (3)  
PR: ECO 2013 or CI. The Marxist school of thought in economics. Application of Marxist theory to problems of advanced capitalist and socialist societies.

ECO 4401 INTRODUCTION TO MATHEMATICAL ECONOMICS  (3)  
PR: ECO 2023 and MAC 2233 or CI. Mathematical models of optimizing behavior and economic equilibrium.

ECO 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.

ECO 4504 PUBLIC FINANCE  (3)  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. 

ECO 4713 INTERNATIONAL MONETARY RELATIONS  (3)  
PR: ECO 3203 Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system, balance of payments.

ECO 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, 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.

ECF 3201 ECONOMICS OF WOMEN AND WORK -XMW  (3)  
PR: ECO 1000 or ECO 2013 and 2023. Survey of research on women, men and 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, gender differences in occupation and earnings.

ECF 3203 LABOR ECONOMICS  (3)  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. 
Determinants of wage and employment levels; occupation, industrial and geographical wage differentials, union and public policy effects on labor markets; the economics of discrimination; inflation and unemployment.

ECF 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.

ECF 3413 ECONOMIC REGULATION AND ANTITRUST  (3)  
PR: ECO 2023. Economic analysis of the rationale and performance of government regulation and antitrust policy. Examination of antitrust issues or price fixing, mergers, and monopolization, and issues of regulating electric utilities, airlines, trucking, consumer product safety, product quality, and the environment.

ECF 3530 ECONOMICS OF HEALTH  (3)  
PR: ECO 3100 or ECO 3101 with a grade of “C” or better. 
Application of economic methods to health care topics. Demand for medical care, public and private health insurance, physician and hospital supply of medical care, government regulations and national healthcare systems.

ECF 3613 ECONOMICS OF THE URBAN ENVIRONMENT  (3)  

ECF 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.

ECF 4451 LAW AND ECONOMICS  (3)  
PR: ECO 2013. Advanced analysis of the economic impact of tort, criminal, property and contract law as well as in the formation and adjudication of law.

ECS 3013 ECONOMIC DEVELOPMENT  (3)  
PR: ECO 2013 or CI. Economic development in emerging nations.

ECS 4003 COMPARATIVE ECONOMIC SYSTEMS -XMW  (3)  
PR: 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  (3)  
Examines American Literature from the Colonial Period to the Civil War as a manifestation of geographical, political, social, and intellectual forces. Will not be counted toward the English major.

AML 3504 AFRICAN-AMERICAN LITERATURE -SA -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 4121 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 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)
The 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 repeated twice for credit with different topics.

CRW 2100 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 the 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 direction for student writing and which also attempts to encourage 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 and direction for the student's writing and which also attempts to encourage the development of critical skills.

CRW 4120 FICTION III (3)
PR: CRW 3111, CRW 3112, CRW 3121. An advanced fiction workshop wherein 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 wherein students are expected to create works exhibiting a firm knowledge of the principles explored in the preceding courses. May be repeated up to 8 credit hours.

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 student work. May be repeated up to 8 credit hours.

ENC 1107 FRESHMAN ENGLISH II: HONORS -6A -EC (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 III: HONORS -6A -EC (3)
PR: ENC 1112. Honors Section of ENC 1102. Reserved for students in the University's Honors Program.

ENC 2210 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 3123, 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.

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.

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 4906 INDIVIDUAL RESEARCH (1-4)
Directed study in special projects. Special permission of chairperson required.

ENG 4907 DIRECTED READING (3)
Readings in special topics.

ENL 3105 BRITISH LITERATURE TO 1616 (3)
A survey of representative prose, poetry, and drama from its beginnings through the Renaissance, including such 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 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.
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, Smollett, Sterne, Austen, Scott, Dickens, Eliot, and Hardy, among others.

ENL 4132 BRITISH NOVEL: CONRAD TO THE PRESENT (3)
A critical study of British fiction from 1900 to the present, with emphasis on such writers as Conrad, Lawrence, Joyce, Woolf, Huxley, Orwell, Burgess, Murdoch, Golding, and others.

ENL 4171 HISTORY OF BRITISH DRAMA TO 1912 (3)
A study of the history of British Drama from its liturgical origins to the beginning of the twentieth century, exclusive of Shakespeare. Included are the mystery and morality plays, and representative works by Marlowe, Jonson, Middleton, Dryden, Congreve, Sheridan, and Wilde, and others.

ENL 4303 SELECTED AUTHORS (3)
The study of two or three related major figures in English, American, or World Literature. The course may include such writers as Fielding and Austen, Keats and Yeats, Joyce and Flaubert, etc. Specific topics will vary. May be taken twice for credit with different topics.

ENL 4311 CHAUCER (3)
An intensive study of The Canterbury Tales and major critical concerns.

ENL 4338 ADVANCED STUDIES IN SHAKESPEARE (3)
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.

ENL 4341 MILTON (3)
Study of the poetry and major prose of John Milton, with special emphasis on Paradise Lost.

LIN 3670 ENGLISH GRAMMAR AND USAGE (3)
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.

LIN 4671 TRADITIONAL ENGLISH GRAMMAR (3)
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.

LIN 4880 STRUCTURE OF AMERICAN ENGLISH (3)
Introduction to the history, grammar, and usage of American English, with an emphasis on the analysis and description of linguistic structure in general, and contemporary American English, in particular.

LIT 2000 INTRODUCTION TO LITERATURE -6A (3)
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.

LIT 2010 INTRODUCTION TO FICTION -6A -HP (3)
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.

LIT 2021 CURRENT SHORT FICTION (3)
Traditional and experimental short stories of this generation, such writers as Updike, Malamud, O'Connor, Roth, Barth, Ionesco, and Barthes. Will not be counted toward the English major.

LIT 2030 INTRODUCTION TO POETRY -6A (3)
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.

LIT 2040 INTRODUCTION TO DRAMA -6A -HP (3)
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.

LIT 2046 DRAMA: TEXTS AND FILMS (3)
A study of the great works of drama, with emphasis on recent forms and themes. Films will demonstrate the possibilities of visualization. Will not be counted toward the English major.

LIT 2091 CURRENT NOVELS (3)
A study of major British and American novels since WW II; attention will be given to the cultural influences and recent literary trends. Will not be counted toward the English major.

LIT 2310 FANTASY AND SCIENCE FICTION (3)
A survey of fantasy and science fiction in England and America from Mary Shelley to the present; includes such writers as Poe, Melville, Ray Bradbury, Arthur C. Clarke, among others. Will not be counted toward the English major.

LIT 2931 SELECTED TOPICS IN ENGLISH STUDIES (1-4)
Varying from semester to semester, the course examines in depth a predominant literary theme or the work of a select group of writers. Will not be counted toward the English major.

LIT 3022 MODERN SHORT NOVEL (3)
A study of the novella from the nineteenth century to the present. Writers include: James, Dostoevsky, Camus, Byron, Nabokov, Gardner, Roth, Vonnegut, among others.

LIT 3043 MODERN DRAMA (3)
A study of such modern and contemporary dramatists as Ibsen, Strindberg, Chekhov, Pirandello, Shaw, O'Neill, Pinter, Stoppard, Brecht, Beckett, and Ionesco.

LIT 3073 CONTEMPORARY LITERATURE -6A -XLW (3)
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.

LIT 3091 LITERATURE OF THE WESTERN WORLD THROUGH THE RENAISSANCE -6A (3)
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.

LIT 3092 LITERATURE OF THE WESTERN WORLD SINCE THE RENAISSANCE -6A (3)
A study in English 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, Sartrre, and Camus, among others.

LIT 3103 GREAT LITERATURE OF THE WORLD - 6A -XMW -XLW (3)
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.

LIT 3144 MODERN EUROPEAN NOVEL (3)
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.

LIT 3155 TWENTIETH CENTURY LITERATURE - HP (3)
Examines major literary works of the 20th Century written in English and explores ways authors have expressed the age, its great issues and conflicts, in order to gain an historical perspective that will help relate the present to the recent past. Designed for non-majors, but majors may take it by special arrangement.

LIT 3301 CULTURAL STUDIES AND THE POPULAR ARTS -6A -XMW -XLW (3)
A study of twentieth century culture as it is represented in film, fiction, and other cultural artifacts.
LIT 3374 THE BIBLE AS LITERATURE -XMW (3)
Major emphasis on literary types and literary personalities of the Old and New Testaments, and Biblical archetypes of British and American literary classics. Fall Semester, Old Testament; Spring Semester, New Testament. Course may be repeated for credit with change of content; may be counted only once toward the English major.

LIT 3388 THE OCCULT IN LITERATURE (3)
A survey of feminism, antimissicism, sexual identity, the feminine mystique, stereotyped and liberated female images from Sappho to the present, with special emphasis on women writers and on the emergence of the women's movement. Will not be counted toward the English major. (Also offered under Women's Studies.)

LIT 3410 RELIGIOUS AND EXISTENTIAL THEMES (3)
Theological and philosophical ideas, allusions, and symbols in the writings of Dostoevsky, Nietzsche, Mann, Joyce, Eliot, Camus, Sartre, among others.

LIT 3451 LITERATURE AND THE OCCULT -6A -XMW -XLW (3)
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 magical arts from classical times through the present. Will not be counted toward the English major.

LIT 3501 SURVEY OF POETRY (3)
A chronological sampling of the major poems written in English from the Middle Ages to the present. Recommended as the first course in the poetry option.

LIT 4011 THEORY OF FICTION (3)
Intensive study of the genres and varieties of fiction to ascertain the theoretical and technical problems involved in the work of fiction.

LIT 4386 BRITISH AND AMERICAN LITERATURE BY WOMEN -6A -XLW -XMW (3)
Survey of women's literary tradition in England and America from the seventeenth century to the present. Thematic focus includes self, marriage, sexuality, madness, race, and generations. Open to majors and non-majors. Writing intensive.

LIT 4390 SELECTED TOPICS IN ENGLISH STUDIES (1-4)
The content of the course will be governed by student demand and instructor interest. It will examine in depth a recurring literary theme or the work of a small group of writers. Special courses in writing may also be offered under this title. May be repeated with different topics.

REA 1105 ADVANCED READING (3)
Designed to help students develop maximum reading efficiency. The course includes extensive instruction and laboratory practice in the improvement of adequate rates of reading, vocabulary, and comprehensive skills. An independent study approach is also available for students who prefer to assume responsibility for their own progress. Will not be counted toward the English major.

REA 1605 LEARNING STRATEGIES WITHIN ACADEMIC DISCIPLINES (2)
To provide within any academic discipline the necessary learning strategies needed for success related to academic coursework. Practice of learning strategies will be within the framework of the student's coursework, providing direct transfer to academic area material. Will not be counted toward the English major.

REA 2405 SPEED READING DEVELOPMENT (2)
A course designed to develop speed reading techniques on various levels of difficulty. Emphasis is placed on comprehension via numerous practice drills. Will not be counted toward the English major. (S/U only.)

REA 2505 VOCABULARY (3)
A practical course in rapid vocabulary improvement for students in all areas. Stress is on words in context. Will not be counted toward the English major.

WST 4262 LITERATURE BY AMERICAN WOMEN OF COLOR - 6A -XLW (3)
An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicana/o/Latina/o. Readings will include literature and contextual articles on historical and cultural issues. Will not be counted toward the English major. (May also be taken for credit in Women's Studies.)

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 2661 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 policy issues. 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. (S/U only.)

EVR 4930 SELECTED TOPICS (1-4)
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
GEA 2005 GLOBAL 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.

GEA 3009 GENERAL GEOGRAPHY (4)
Selected topics in regional and topical geography offered as survey courses. Open to all students.

GEA 3194 REGIONAL GEOGRAPHY (4)
Variable title course to systematically study and compare special regions identified by the instructor.

GEA 3202 GEOGRAPHY OF ANGLO-AMERICA (4)

GEA 3300 GEOGRAPHY OF MIDDLE AMERICA (4)

GEA 3409 GEOGRAPHY OF GULF OF MEXICO (4)

GEA 3409 GEOGRAPHY OF LATIN AMERICA -6A (4)

GEA 3500 GEOGRAPHY OF EUROPE -6A (4)

GEA 3554 GEOGRAPHY OF THE USSR (4)

GEA 3600 GEOGRAPHY OF AFRICA (4)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 1930</td>
<td>GEOGRAPHY OF CURRENT EVENTS - SS</td>
<td>4</td>
<td>The application of basic geographic principles of the analysis of contemporary events in various parts of the world.</td>
</tr>
<tr>
<td>GEO 2041C</td>
<td>MAP INTERPRETATION</td>
<td>4</td>
<td>Analysis and synthesis of various types of maps and map projections.</td>
</tr>
<tr>
<td>GEO 2371</td>
<td>INTRODUCTION TO EARTH SYSTEMS SCIENCE - NS</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>GEO 3013</td>
<td>INTRODUCTION TO PHYSICAL GEOGRAPHY</td>
<td>4</td>
<td>Principles and concepts of the discipline; maps, earth-sun relationships, weather, climate, soil, water, and landforms.</td>
</tr>
<tr>
<td>GEO 3402</td>
<td>HUMAN GEOGRAPHY</td>
<td>4</td>
<td>Systematic treatment of humans' activities and relationships on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.</td>
</tr>
<tr>
<td>GEO 3602</td>
<td>URBAN GEOGRAPHY</td>
<td>4</td>
<td>Geographic analysis of urban areas, development, site, situation, internal structure, and hinterlands are considered.</td>
</tr>
<tr>
<td>GEO 3901</td>
<td>ELEMENTS OF GEOGRAPHY</td>
<td>1</td>
<td>Independent study; various topics in physical and cultural geography. (SU only.)</td>
</tr>
<tr>
<td>GEO 3931C</td>
<td>SELECTED TOPICS</td>
<td>4</td>
<td>Survey of evolving landscapes over time; analysis is made by means of systematic and quantitative methods.</td>
</tr>
<tr>
<td>GEO 4114C</td>
<td>GEODETIC TECHNIQUES AND METHODOLOGY</td>
<td>4</td>
<td>Topical courses in geodesy of general interest. Does not count toward the geology major.</td>
</tr>
<tr>
<td>GEO 4124C</td>
<td>AIR PHOTO INTERPRETATION</td>
<td>4</td>
<td>Detection, identification, and analysis of objects on the earth's surface. Techniques other than photographic are also considered.</td>
</tr>
<tr>
<td>GEO 4164C</td>
<td>QUANTITATIVE METHODS</td>
<td>4</td>
<td>Statistical analysis in geographic research.</td>
</tr>
<tr>
<td>GEO 4201C</td>
<td>ADVANCED PHYSICAL GEOGRAPHY</td>
<td>4</td>
<td>Intensive study of a topic selected from physical geography.</td>
</tr>
<tr>
<td>GEO 4210</td>
<td>PROCESS GEOMORPHOLOGY</td>
<td>4</td>
<td>Origin, evolution, and distribution of the landforms of North America.</td>
</tr>
<tr>
<td>GEO 4210C</td>
<td>HYDROLOGY</td>
<td>4</td>
<td>Hydrologic cycle; precipitation, evapotranspiration, water budget, streamflow, and probability analysis.</td>
</tr>
<tr>
<td>GEO 4340</td>
<td>HUMAN RESPONSE TO NATURAL HAZARDS</td>
<td>4</td>
<td>The impact of hurricanes, tornadoes, earthquakes, sink holes, fire, freezes, and droughts on people; attempts to overcome or avoid these hazards.</td>
</tr>
<tr>
<td>GEO 4372</td>
<td>GLOBAL CONSERVATION - 6A - XMW</td>
<td>4</td>
<td>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>The interrelationships of culture and environment, from earlier times to the present.</td>
</tr>
<tr>
<td>GEO 4460</td>
<td>HISTORICAL GEOGRAPHY</td>
<td>4</td>
<td>Survey of evolving landscapes through time; analysis is made by means of systematic and regional methods in order to reconstruct the changing culture-environment equation.</td>
</tr>
<tr>
<td>GEO 4470</td>
<td>POLITICAL GEOGRAPHY - XMW</td>
<td>4</td>
<td>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>The spatial organization of economic production, consumption, and exchange systems.</td>
</tr>
<tr>
<td>GEO 4604</td>
<td>ADVANCED URBAN GEOGRAPHY - XMW</td>
<td>4</td>
<td>Intensive examination of issues such as economic restructuring and inner-city decline, gentrification, transportation, and policy-making.</td>
</tr>
<tr>
<td>GEO 4700</td>
<td>TRANSPORTATION GEOGRAPHY</td>
<td>4</td>
<td>Interrelationships between freight and passenger transportation and land use, in terms of site, traffic generation, and circulation.</td>
</tr>
<tr>
<td>GEO 4900</td>
<td>DIRECTED READING</td>
<td>1-4</td>
<td>May be repeated.</td>
</tr>
<tr>
<td>GEO 4910</td>
<td>INDIVIDUAL RESEARCH</td>
<td>1-4</td>
<td>May be repeated.</td>
</tr>
<tr>
<td>GEO 4933</td>
<td>GEOGRAPHY COLLOQUIUM</td>
<td>1</td>
<td>Senior standing in Geography. Weekly topical lectures by faculty and outside speakers. Students will develop a plan for their professional or graduate careers.</td>
</tr>
<tr>
<td>GEO 5058</td>
<td>GEOGRAPHIC LITERATURE AND HISTORY</td>
<td>3</td>
<td>The origins and development of the discipline as revealed through an examination of the principal written sources. Special attention paid to leading personalities and modern periods.</td>
</tr>
<tr>
<td>MET 4002</td>
<td>CLIMATOLOGY</td>
<td>4</td>
<td>An introductory course which includes an examination of climatic classification systems, problem climates, and the application of climate to selected topics such as world vegetation patterns, agriculture, housing and health.</td>
</tr>
<tr>
<td>MET 4010C</td>
<td>METEOROLOGY</td>
<td>4</td>
<td>The earth's atmosphere and its processes; weather forecasting and analysis; instrumentation.</td>
</tr>
<tr>
<td>URF 4052</td>
<td>URBAN AND REGIONAL PLANNING</td>
<td>4</td>
<td>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>
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<th>Credits</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GLY 2010</td>
<td>DYNAMIC EARTH: INTRODUCTION TO PHYSICAL GEOLOGY - NS</td>
<td>3</td>
<td>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 2010L</td>
<td>DYNAMIC EARTH LABORATORY</td>
<td>1</td>
<td>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 - NS</td>
<td>3</td>
<td>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 - NS</td>
<td>3</td>
<td>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 2100</td>
<td>HISTORY OF THE EARTH AND LIFE - NS</td>
<td>3</td>
<td>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 2100L</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 2930</td>
<td>SELECTED TOPICS IN GEOLOGY</td>
<td>1-3</td>
<td>Topical courses in geology of general interest. Does not count toward the geology major.</td>
</tr>
</tbody>
</table>
GLY 4700 GEOMORPHOLOGY  
PR: Senior or advanced junior standing and CI. Origin, evolution and distribution of land forms and soils. Dynamics of earth's surface. Lec.-lab.-field trips.

GLY 4734 BEACHES AND COASTAL ENVIRONMENTS -XMW  
PR: Junior standing. A comprehensive introduction to the nature of all coastal environments including beaches, dunes, tidal inlets, estuaries, reefs, and river deltas. Emphasis will be on the natural state of these environments and how human activities have and will impact them. Consideration of coastal management policies involving economics, ethics, policy, and environmental law.

GLY 4780 GEOLOGICAL FIELD STUDIES  
PR: 1 geology course. Lectures and field trip to study modern geologic systems and/or geologic origins of specific regions. Mapping and field description techniques introduced. Topic/destination of trip varies. Trip requires camping and vigorous physical activity. May be repeated up to 9 hours, as destinations vary. Lec. Field trip.

GLY 4822 INTRODUCTION TO HYDROGEOLOGY  
PR: GLY 2010, advanced junior or senior standing, one year each physics and calculus or CI. Ground water flow systems, ground water geology, introduction to numerical and analytical models of ground water flow. Lec.-lab.-field trips.

GLY 4905 INDEPENDENT STUDY  
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated. (S/U only)

GLY 4915 UNDERGRADUATE RESEARCH  
PR: Senior or advanced junior standing and written permission of department prior to registration. Individual experimental investigations with faculty supervision. (S/U only)

GLY 4920 GEOLOGY COLLOQUIUM  
PR: Senior standing in Geology. Weekly topical lectures by faculty, graduate students and invited speakers. (S/U only)

GLY 4930 SELECTED TOPICS IN GEOLOGY  
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 geology included. Departmental permission required prior to registration.

GLY 4970 UNDERGRADUATE HONORS THESIS  
Open to seniors admitted to the Geology undergraduate honors program. Students will complete an independent research project under supervision of a faculty member, and present results in a senior thesis and a public presentation.

GLY 4981 MOONS, PLANETS AND METEORS: AN INTRODUCTION TO PLANETARY SCIENCE -XMW  
PR: Junior standing. Solar System exploration, from Aristotle to NASA. Modern views on the origins of meteorites, the Moon, Mars, Venus, and other planetary bodies, and the methods of planetary study. Meteor impacts, their effects, future hazard. Space science as a tool in the study of Earth. Field trips, lectures, Internet exercises.

GLY 5532 SELECTED TOPICS IN GEOLOGY  
PR: Senior or advanced junior standing and CC. Each topic is a course under supervision of a faculty member. All areas of geology included. Departmental permission required prior to registration.

OCE 2001 INTRODUCTION TO OCEANOGRAPHY -NS  
Overview of biological, chemical, geological, and physical oceanography. May substitute for 2010 for geology majors. (Also listed under Marine Science.)

Gerontology

GEY 3000 INTRODUCTION TO GERONTOLOGY -SS  
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 3601 BEHAVIOR CHANGES IN LATER LIFE  
A survey of physical and psychological aspects of aging from middle age through older age. Course emphasis will be on basic age-related changes and their implications for behavior in older age.

GEY 3625 SOCIOCULTURAL ASPECTS OF AGING -SA -SS -AF  
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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEY 4277</td>
<td>LONG-TERM CARE ADMINISTRATION I</td>
<td>(3)</td>
</tr>
<tr>
<td>PR: GEY 3000</td>
<td>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.</td>
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</tr>
<tr>
<td>GEY 4278</td>
<td>LONG-TERM CARE ADMINISTRATION II</td>
<td>(3)</td>
</tr>
<tr>
<td>PR: GEY 4277</td>
<td>Administration of long-term care institutions from a group dynamics perspective. 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.</td>
<td></td>
</tr>
<tr>
<td>GEY 4299</td>
<td>LONG-TERM CARE ADMINISTRATION III</td>
<td>(3)</td>
</tr>
<tr>
<td>PR: GEY 4298</td>
<td>This course will familiarize the student with the basic aspects of nursing home administration through the practical application of management theory and concepts.</td>
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<tr>
<td>GEY 4360</td>
<td>GERONTOLOGICAL COUNSELING</td>
<td>(3)</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td>GEY 4401</td>
<td>RESEARCH METHODS IN GERONTOLOGY</td>
<td>(3)</td>
</tr>
<tr>
<td>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.</td>
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</tr>
<tr>
<td>GEY 4610</td>
<td>PSYCHOLOGY OF AGING</td>
<td>(3)</td>
</tr>
<tr>
<td>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)</td>
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<tr>
<td>GEY 4640</td>
<td>DEATH AND DYING</td>
<td>(3)</td>
</tr>
<tr>
<td>PR: GEY 3000</td>
<td>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.</td>
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<tr>
<td>GEY 4800</td>
<td>DIRECTED READINGS</td>
<td>(1-3)</td>
</tr>
<tr>
<td>PR: CI.</td>
<td>A reading program with topics in gerontology conducted under the supervision of a faculty member.</td>
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</tr>
<tr>
<td>GEY 4835</td>
<td>SPECIAL TOPICS IN GERONTOLOGY</td>
<td>(3)</td>
</tr>
<tr>
<td>Courses on topics such as retirement, mental health, human services organization, nursing home administration, the older woman, and elder abuse will be offered.</td>
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<tr>
<td>GEY 4945</td>
<td>FIELD PLACEMENT</td>
<td>(3-9)</td>
</tr>
<tr>
<td>PR: CI.</td>
<td>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.</td>
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</tr>
<tr>
<td>GEY 5620</td>
<td>SOCIOLOGICAL ASPECTS OF AGING</td>
<td>(3)</td>
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<tr>
<td>Examine, within a sociological frame of reference, the interrelationships between the aged (or aging) and the structure and function of the social systems and its major institutionalized subsystems.</td>
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<tr>
<td>GEY 5630</td>
<td>ECONOMICS AND AGING</td>
<td>(3)</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td>GEY 5642</td>
<td>PERSPECTIVES ON DEATH AND DYING</td>
<td>(3)</td>
</tr>
<tr>
<td>Study of the various pathological, medical, legal, and religious problems caused by dying and death, and of how individuals and groups have responded in the past and present.</td>
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<tr>
<td>HUS 3001</td>
<td>INTRODUCTION TO HUMAN SERVICES</td>
<td>(3)</td>
</tr>
<tr>
<td>An introduction to the field of human services. Study of the professions and agencies involved in providing human services. Analysis of the values and ethics of various professional associations.</td>
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</table>

**History**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHF 3100</td>
<td>AFRICAN HISTORY TO 1850 -HP -AF</td>
<td>(3)</td>
</tr>
<tr>
<td>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.)</td>
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</tr>
<tr>
<td>AHF 3200</td>
<td>AFRICAN HISTORY SINCE 1850 -HP -AF</td>
<td>(3)</td>
</tr>
<tr>
<td>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 post-independence problems of nation building and economic development. (Also offered under Africana Studies.)</td>
<td></td>
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</tr>
<tr>
<td>AMH 2010, 2020</td>
<td>AMERICAN HISTORY I, II -HP</td>
<td>(3,3)</td>
</tr>
<tr>
<td>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.</td>
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</tr>
<tr>
<td>AMH 3130</td>
<td>THE AMERICAN REVOLUTIONARY ERA</td>
<td>(4)</td>
</tr>
<tr>
<td>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 1750-1789.</td>
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<tr>
<td>AMH 3140</td>
<td>THE AGE OF JEFFERSON</td>
<td>(4)</td>
</tr>
<tr>
<td>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.</td>
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</tr>
<tr>
<td>AMH 3160</td>
<td>THE AGE OF JACKSON</td>
<td>(4)</td>
</tr>
<tr>
<td>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.</td>
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</tr>
<tr>
<td>AMH 3170</td>
<td>THE CIVIL WAR AND RECONSTRUCTION</td>
<td>(4)</td>
</tr>
<tr>
<td>An examination of political, social, and economic climate of the 1850's that led to the American Civil War. The course focuses upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).</td>
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</tr>
<tr>
<td>AMH 3201</td>
<td>THE UNITED STATES, 1877-1914</td>
<td>(4)</td>
</tr>
<tr>
<td>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 imperialism.</td>
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</tr>
<tr>
<td>AMH 3231</td>
<td>THE UNITED STATES, 1914-1945</td>
<td>(4)</td>
</tr>
<tr>
<td>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.</td>
<td></td>
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</tr>
<tr>
<td>AMH 3270</td>
<td>THE UNITED STATES, SINCE 1945</td>
<td>(4)</td>
</tr>
<tr>
<td>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.</td>
<td></td>
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</tr>
</tbody>
</table>
AMH 3403 THE SOUTH SINCE 1865 (4)
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, demogougy and disfranchisement, South ern women, and the Civil Rights Movement.

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 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 Americas 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 (4)
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.

EUAH 2011 ANCIENT HISTORY I -HP (3,3)
An introductory survey of ancient history. EUAH 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.

EUAH 2012 ANCIENT HISTORY II -HP (3,3)
An introductory survey of ancient history. EUAH 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.

EUAH 2021, 2022 MEDIEVAL HISTORY I, II -HP (3,3)
A thematic survey of the Middle Ages. EUAH 2021 deals with the nascent, Christian civilization of European, circa 300-1050 A.D.; EUAH 2022 treats the mature medieval civilization of Europe, circa 1050-1500.

EUAH 2030, 2031 MODERN EUROPEAN HISTORY I, II -HP (3,3)
A thematic survey of Europe in the modern age. EUAH 2030 treats the period from the Renaissance to the French Revolution; EUAH 2031, from the French Revolution to the present.

EUAH 3142 RENAISSANCE AND REFORMATION (4)
A history of Europe from the Renaissance to the Thirty Years’ War (1400-1618). The cultural, social, and economic characteristics will provide the framework for artistic, philosophical, religious, and political developments.

EUAH 3181 MEDIEVAL CULTURE (4)
A study of daily life and medieval culture to the present. Medieval attitudes as manifested in literature, art, philosophy, education, and religion; with emphasis upon Medieval man’s changing perception of himself and his world.

EUAH 3185 VIKING HISTORY (4)
The role of the Vikings in the shaping of Western History. A comprehensive survey of their institutions, outlook and influence. Viking expansion into Europe and North America.

EUAH 3188 MEDIEVAL SOCIETY (4)
A study of the daily life and attitudes of the medieval nobleman, peasant, townsman, and the agrarian-urban economy and society which affected their lives.

EUAH 3189 MEDIEVAL ECONOMY (4)
An inquiry into the nature, distribution, and use of political power during the Middle Ages, in such institutions as feudalism, monarchy, cities, and the church.

EUAH 3202 HISTORY OF 17TH AND 18TH CENTURY EUROPE (4)
A history of Europe from the beginning of the Thirty Years’ War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.

EUAH 3205 HISTORY OF NINETEENTH CENTURY EUROPE (4)
A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.

EUAH 3206 HISTORY OF TWENTIETH CENTURY EUROPE (4)
A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.

EUAH 3401 CLASSICAL GREECE (4)
A study of ancient Greece focusing on the brilliant period following the Persian Wars, but embracing as well the formative Bronze, Middle and Archaic ages, and the decline culminating in the conquest of Greece by Philip II of Macedon in 338 B.C.

EUAH 3402 AGE OF ALEXANDER (4)
A study focusing on the career of Alexander the Great and on the Greek and Macedonian conquest of Imperial Persia. Also treated are the great hellenistic kingdoms prior to Rome’s conquest of the eastern Mediterranean.

EUAH 3412 ROMAN REPUBLIC (4)
A study of the Roman Republic from 509 B.C. to the assassination of Julius Caesar in 44 B.C., with a prelude
treatment of Rome's early development under royal rule. Political growth and change provide the framework for the treatment.

EIH 3413 ROMAN EMPIRE
A study of Imperial Roman from the assassination of Julius Caesar in 44 B.C. to the death of the emperor Constantine in A.D. 337. Emphasized is Rome's government of a vast Mediterranean empire including much of the near East and Europe.

EIH 3461 GERMAN HISTORY TO 1870
A political, social, and cultural approach to the history of the Germanies from 1500 through 1870, with emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.

EIH 3462 GERMAN HISTORY 1870 TO PRESENT
A political, social, and cultural approach to the history of the German Empire from 1870 through the 1970's. The nation's two attempts to try for world power status are highlighted, as well as the Weimar Republic, prototype of the embattled democracy.

EIH 3501 BRITISH HISTORY TO 1688
A study of major developments in British history from the 15th century to 1688.

EIH 3502 BRITISH HISTORY 1688 TO PRESENT
A survey of the major themes of British history since the Glorious Revolution, including social, political, and economic developments leading to the creation of the modern demographic welfare state.

EIH 3530 BRITISH EMPIRE AND COMMONWEALTH
A study of the development of the British Empire from the age of initial expansion overseas to the creation of the multinational commonwealth. Included are examinations of theory and myth of colonialism as well as the literature of imperialism.

EIH 3571 RUSSIAN HISTORY TO 1865
A survey of the social, political, economic, and cultural development of Russia from the year 800 to 1865. Topics include the personality of Russian rulers, the origins of Russian Socialism, and Russia's relationship to the West.

EIH 3572 RUSSIAN HISTORY 1865 TO PRESENT
An analysis of the tradition from late imperial society to the contemporary Soviet system. Emphasis will be placed on continuity and change in the economic, political, and cultural aspects of Russia from 1865 to present.

HIS 2931 SPECIAL TOPICS
This course emphasizes a selected historical problem or issue. A variety of instructional approaches will be taken, and topics may vary.

HIS 3474 SCIENCE AND CIVILIZATION
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.

HIS 3930 SPECIAL TOPICS
This course is designed to emphasize a selected historical 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 semester.

HIS 4104 THEORY OF HISTORY
Recommended to be taken during the senior year. Required of all history majors. An analysis of the foundations of historical knowledge and historical methodology. Includes a survey of historical thinking and writing from ancient times to the present.

HIS 4900 DIRECTED READING
PR: Cl. Arrangement with instructor prior to registration. Readings in special topics.

HIS 4920 COLOQUIUM IN HISTORY
Reading and discussion of 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.

HIS 4936 PRO-SEMINAR IN HISTORY
A survey of major aspects of American history between the 1850s and World War II.

HIS 5215 HISTORICAL WRITING
A course for graduate and advanced undergraduates to combine library, archival and research skills with examination of various writing styles. Analytic and synthetic skills are stressed in writing articles, reviews and essays.

LAH 2020 LATIN AMERICAN CIVILIZATION
An introduction to selected issues, events, and people in Latin America from 1492 to the present. Focus on Argentina, Brazil, Chile, Cuba, and Mexico.

LAH 2734 LATIN-AMERICAN HISTORY IN FILM
Through the use of films and readings, the course introduces the broad sweep of Latin American history from the pre-Columbian period to today. Emphasis is placed on the social-cultural context to understand the peoples and events that have shaped Latin America.

LAH 3130 COLONIAL LATIN AMERICA
A study of the Spanish and Portuguese Colonial empires in the New World from 1492-1830.

LAH 3200 MODERN LATIN AMERICA
A study of the emergence of the Latin American states. The course will examine developments in Latin America during the nineteenth and twentieth centuries. Special attention is given to the Third World character of the region.

LAH 3430 HISTORY OF MEXICO
Mexican history from pre-Columbian cultures to the twentieth century. Emphasis falls on the colonial political economy, social development, the wars of independence, development of the 19th century Mexican state and the Mexican revolution.

LAH 3470 HISTORY OF THE CARIBBEAN
A thematic study of the circum-Caribbean from pre-Columbian cultures to the twentieth century, emphasizing the development of the Caribbean political economy with emphasis on monoculture, plantation society, and colonial/neo-colonial relationships.

LAH 3480 HISTORY OF CUBA
Cuban history from pre-Columbian cultures to the Cuban Revolution. Emphasis on colonization, the sugar economy, the struggles for independence, the political economy of the Republic, and the 20th century revolutionary process.

WST 3210 WOMEN IN WESTERN CIVILIZATION I
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in Women's Studies.)

WST 3220 WOMEN IN WESTERN CIVILIZATION II
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in Women's Studies.)

Humanities and American Studies

AMS 2030 INTRODUCTION TO AMERICAN STUDIES
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 2363 ISSUES IN AMERICAN CIVILIZATION
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
Integration of major aspects of American life between the 1850s and World War I.

AMS 3201 COLONIAL AMERICAN CULTURE
An examination of cultural patterns in America as they developed between 1600 and 1780 with an emphasis on the texture of everyday life.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMS 3210</td>
<td>REGIONS OF AMERICA - HP</td>
<td>4</td>
<td>The pattern of American culture as revealed through an examination of selected writings and other pertinent materials dealing with selected American regions. Topic varies. Repeatable up to eight credit hours.</td>
</tr>
<tr>
<td>AMS 3230</td>
<td>AMERICA DURING THE TWENTIES AND THIRTIES</td>
<td>4</td>
<td>Selected interdisciplinary materials are used to examine the relationships among regionalism, nationalism and internationalism during the twenties and thirties. Emphasis is placed on the measure of cultural nationalism attained by the United States during this period.</td>
</tr>
<tr>
<td>AMS 3260</td>
<td>AMERICAN CULTURE, 1830-1860 -6A -HP</td>
<td>4</td>
<td>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.</td>
</tr>
<tr>
<td>AMS 3302</td>
<td>ARCHITECTURE AND THE AMERICAN ENVIRONMENT</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>AMS 3370</td>
<td>SOCIETY AND REALITY -6A -HP</td>
<td>3</td>
<td>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.)</td>
</tr>
<tr>
<td>AMS 3700</td>
<td>RACISM IN AMERICAN SOCIETY - SS - HP</td>
<td>3</td>
<td>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.)</td>
</tr>
<tr>
<td>AMS 3930</td>
<td>SELECTED TOPICS IN AMERICAN STUDIES</td>
<td>1-4</td>
<td>Offers include Cultural Darwinism in America, America Through Foreign Eyes, and The Female Hero in American Culture.</td>
</tr>
<tr>
<td>AMS 4152</td>
<td>FILM IN AMERICAN CULTURE</td>
<td>3</td>
<td>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 time.</td>
</tr>
<tr>
<td>AMS 4804</td>
<td>MAJOR IDEAS IN AMERICA -XMW</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>AMS 4910</td>
<td>INDIVIDUAL RESEARCH</td>
<td>1-4</td>
<td>The content of the course will be governed by student demand and instructor interest. Instructor approval required prior to registration.</td>
</tr>
<tr>
<td>AMS 4930</td>
<td>SELECTED TOPICS IN AMERICAN STUDIES</td>
<td>1-4</td>
<td>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.</td>
</tr>
<tr>
<td>AMS 4935</td>
<td>SENIOR SEMINAR IN AMERICAN STUDIES</td>
<td>4</td>
<td>PR: Senior in American Studies or CI.</td>
</tr>
<tr>
<td>AMS 4936</td>
<td>SENIOR SEMINAR IN AMERICAN STUDIES</td>
<td>4</td>
<td>PR: Senior in American Studies or CI.</td>
</tr>
<tr>
<td>HUM 2024</td>
<td>THE ARTS -FA</td>
<td>3</td>
<td>Analysis of selected works of literature, music, film, and visual art, representing artists of diverse periods, cultures, genders, and races. Especially recommended for students who later take 4000-level Humanities courses.</td>
</tr>
<tr>
<td>HUM 2211</td>
<td>STUDIES IN CULTURE: THE ANCIENT THROUGH MEDIEVAL PERIODS - HP</td>
<td>3</td>
<td>A survey of literature and the arts of ancient Greece, Rome, and medieval Europe. Issues to be examined may include the dialogue between local traditions and cosmopolitan cultures, the relationship of the individual to society, and the bases for moral values.</td>
</tr>
<tr>
<td>HUM 2243</td>
<td>STUDIES IN CULTURE: THE RENAISSANCE THROUGH THE TWENTIETH CENTURY - HP</td>
<td>3</td>
<td>A historical survey of the visual arts, literature, music and thought of Europe from the Renaissance through the twentieth century. Issues to be examined may include the relationship between science and the arts, and the consequences of the growing contacts among world civilizations and the impact of technological change.</td>
</tr>
<tr>
<td>HUM 2930</td>
<td>SELECTED TOPICS</td>
<td>1-4</td>
<td>An introductory course dealing with a recurrent theme in the arts or focusing on a particular artistic center (a nation or city at a particular time). May be repeated up to 8 credit hours with change of content.</td>
</tr>
<tr>
<td>HUM 3251</td>
<td>STUDIES IN CULTURE: THE TWENTIETH CENTURY - HP</td>
<td>3</td>
<td>Analysis of selected works of twentieth century art, including films, paintings, music, and literature, in the context of major political, social, and economic events, such as war, depression, totalitarianism, and technological change.</td>
</tr>
<tr>
<td>HUM 3271</td>
<td>EASTERN AND WESTERN CULTURE FROM ANTIQUITY TO 1400 - AP</td>
<td>3</td>
<td>A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from Ancient times through the Middle Ages, emphasizing Europe and India.</td>
</tr>
<tr>
<td>HUM 3273</td>
<td>EASTERN AND WESTERN CULTURE SINCE 1400 - AP</td>
<td>3</td>
<td>A comparative treatment of music, visual arts, theatre, literature, and philosophy in the East and West, proceeding chronologically from the Renaissance through the present, emphasizing Europe, the United States, and India.</td>
</tr>
<tr>
<td>HUM 4402</td>
<td>HUMANITIES IN INDIA</td>
<td>4</td>
<td>PR: Sophomore standing or CI. Examples from the arts and letters of India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.</td>
</tr>
<tr>
<td>HUM 4404</td>
<td>HUMANITIES IN CHINA</td>
<td>4</td>
<td>PR: Sophomore standing or CI. Examples from the arts and letters of China; their relationship to Taoism, Confucianism and other Chinese philosophies; Western influences on twentieth century Chinese arts and letters.</td>
</tr>
<tr>
<td>HUM 4405</td>
<td>HUMANITIES IN JAPAN</td>
<td>4</td>
<td>PR: Sophomore standing or CI. Examples from the arts and letters of Japan, their relationship to Zen Buddhism and other philosophy-religions; Western influences on twentieth century Japanese arts and letters.</td>
</tr>
<tr>
<td>HUM 4433</td>
<td>ANCIENT GREEK CULTURE</td>
<td>4</td>
<td>PR: Sophomore standing or CI. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Greece, including such authors as Homer, Sophocles, and Plato, and monuments such as the Parthenon.</td>
</tr>
<tr>
<td>HUM 4434</td>
<td>THE CULTURE OF ANCIENT ROME</td>
<td>4</td>
<td>PR: Sophomore standing or CI. A study of the poetry, drama, philosophy, historical writing, painting, sculpture and architecture of ancient Rome, including such authors as Virgil, Livy, and Ciceron, the monuments of Rome, Pompeii, and Herculanenum.</td>
</tr>
<tr>
<td>HUM 4435</td>
<td>EARLY MEDIEVAL CULTURE</td>
<td>4</td>
<td>PR: Sophomore standing or CI. A study of the culture of Europe and the Mediterranean world from the 4th to 11th centuries through relations of early Medieval historians, poets, and theologians, as well as the study of illuminated manuscripts, mosaics, painting, and architecture.</td>
</tr>
<tr>
<td>HUM 4436</td>
<td>HIGH MEDIEVAL CULTURE</td>
<td>4</td>
<td>PR: Sophomore standing or CI. A study of the culture of Western Europe from the 11th to 14th centuries. Readings will include poetry and religious works; examples of painting, architecture, sculpture and music will be studied.</td>
</tr>
</tbody>
</table>
HUM 4437 ITALIAN RENAISSANCE CULTURE (4)  PR: Sophomore standing or CI. A study of the painting, literature, music, sculpture and architecture of early modern Italy (1300-1600), emphasizing humanism, the revival of antiquity, the tension between sacred and secular, and artists such as Michelangelo, Titian and Raphael.

HUM 4438 NORTHERN RENAISSANCE CULTURE (4)  PR: Sophomore standing or CI. A study of the Northern Renaissance, 1400-1580, as exemplified in Germany, France, the Netherlands, England, and Spain. The course includes painting, architecture, literature and music, with special study of Durer, Van Eyck, El Greco, and Bosch.

HUM 4440 ARTS AND LETTERS IN THE 17TH AND 18TH CENTURIES (4)  PR: Sophomore standing or CI. A study of the visual arts, literature, and music from the mysticism and ornament of the Baroque to the rationalism and classicism of the Enlightenment, including such artists, authors and composers as Rembrandt, Gentilleschi, Voltaire, Bach and Mozart.

HUM 4442 ARTS AND LETTERS OF THE ROMANTIC PERIOD (4)  PR: Sophomore standing or CI. Continental masterworks of fiction, painting, and music in the context of European cultural history from the French Revolution to the Revolutions of 1848.

HUM 4444 NINETEENTH CENTURY EUROPEAN ARTS AND LETTERS (4)  PR: Sophomore standing or CI. A study of continental literature, music, and artistic masterworks from the Revolutions of 1848 until the outbreak of World War I.

HUM 4445 TWENTIETH CENTURY ARTS AND LETTERS I (4)  PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4446 TWENTIETH CENTURY ARTS AND LETTERS II (4)  PR: Sophomore standing or CI. Analysis of selected works of twentieth century art. The course will focus on a particular phase in the development of modernism, a set of themes, or certain stylistic aspects of various arts of the twentieth century.

HUM 4452 NINETEENTH CENTURY AMERICAN CULTURE (4)  PR: Sophomore standing or CI. Study of selected works of art, tracing the course of American expansionism in civilization and the interaction between the arts and the sciences in American ways of life and work, 1790-1890.

HUM 4455 TWENTIETH CENTURY AMERICAN CULTURE (4)  PR: Sophomore standing or CI. Study of selected works, tracing the course of expansion in the production and enjoyment of works of art, and interaction between the idealistic and pragmatic concerns for development of the arts in the 20th century.

HUM 4462 ANCIENT LATIN AMERICAN CULTURE (4)  PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the Pre-Columbian period.

HUM 4464 LATIN AMERICAN CULTURE SINCE 1492 (4)  PR: Sophomore standing or CI. Analysis of selected Latin American works of art in their cultural context, with emphasis on major art forms selected from the colonial through contemporary periods.

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 4938 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 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 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. The seminar which caps the interdisciplinary major. Weds personal curiosity with the application of models to research on salient 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 topics vary.

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:
A program of individual or group research in a foreign
country. (Student demand and instructor’s interest.
May be repeated as topics vary.)

INR 3036 SELECTED TOPICS (1-4)
An interdisciplinary study with course content dependent
on student demand and instructor’s interest. May be repeated
as topics vary.

INR 3037 SELECTED TOPICS (1-3)
Interdisciplinary studies with course content dependent
on student demand and instructor’s interest. May be repeated
as topics vary.

INR 3038 INTERNATIONAL WEALTH AND POWER -SS (3)
Introduction to the relationship between politics and eco-
nomics, emphasizing the analysis of government policies
in response to both domestic and international economic
problems.

INR 3076 CRISIS MANAGEMENT -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 devel-
opment.

INR 4076 DIRECTED READINGS (1-3)
PR: CI. A supervised program of intensive reading of
interdisciplinary materials in areas of specific interest. May
be repeated.

INR 4110 DIRECTED RESEARCH (1-3)
PR: CI. A supervised program of interdisciplinary research
in areas of specific interest. May be repeated.

INR 4931 SELECTED TOPICS (1-4)
Interdisciplinary 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 telecourse that is designed to introduce the
complexities of Latin America and the Caribbean to stu-
dents 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 America.

WST 3175 WOMEN IN THE DEVELOPING WORLD (3)
A comparative study of women’s status in various develop-
ing nations with that in various industrialized states. (Also
offered under Women’s Studies Program.)

Languages and Linguistics

General Foreign Languages

FOL 3100 GENERAL FOREIGN LANGUAGE I (1-4)
A general purpose course that may be used for transfer of
credit, credit by examination, and similar matters; may also
be used for formal courses in less commonly taught lan-
guages or in professional translation.

FOL 4101 GENERAL FOREIGN LANGUAGE II (1-3)
A general purpose course that may be used for transfer of
credit, credit by examination, and similar matters; may also
be used for formal courses in less commonly taught lan-
guages or in professional translation.

FOL 4905 DIRECTED STUDY (1-3)
Departmental approval required.

FOL 5906 DIRECTED STUDY (1-3)
Departmental approval required.

Arabic

ARA 1120 MODERN ARABIC I (4)
CR: ARA 1120L. An intensive study of basic skills: pronun-
ciation, listening comprehension, speaking and some com-
position.

ARA 1120L MODERN ARABIC I LABORATORY (1)
CR: ARA 1120. A laboratory designed to offer additional
practice using various instructional technologies and me-
dia. Concurrent enrollment with a lecture session is re-
quired, and, if dropped, then dropped simultaneously. (S/
U only.)

ARA 1121 MODERN ARABIC II (4)
CR: ARA 1120 or its equivalent. CR: ARA 1120L. A contin-
uation 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 me-
dia. Concurrent enrollment with a lecture session is re-
ARA 2200 MODERN ARABIC III
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 2201 MODERN ARABIC IV
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
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. (S/U only.)

ARA 4930 SELECTED TOPICS
Course permits classes in Arabic not available in the regularly scheduled curriculum at departmental discretion. Departmental approval required. May be repeated up to 10 credit hours.

Chinese

CHI 1120 MODERN CHINESE I
CR: CHI 1120L. Mandarin. An intensive study of basic skills: pronunciation, listening, comprehension, speaking, and some composition.

CHI 1120L MODERN CHINESE I LABORATORY
CR: CHI 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.)

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 the 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
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 hours. (S/U only.)

CHI 4930 SELECTED TOPICS
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
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.)

Departmental approval required. May be repeated up to 8 credit hours.

FRE 1121 BEGINNING FRENCH II
PR: FRE 1120L or equivalent. CR: FRE 1121L. A continuation of FRE 1120.

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. (S/U only.)

FRE 1170 OVERSEAS STUDY: ELEM. FRENCH
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 2211. For development of basic conversational skills.

FRE 2270 OVERSEAS STUDY: INTR. FRENCH
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 AND CULTURE
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
A fundamental composition course for students who have completed FRE 2200 and/or 2201.

FRE 3440 FRENCH FOR BUSINESS
PR: FRE 2200 or equivalent. An introduction to the French language in ordinary business transactions.

FRE 3470 OVERSEAS STUDY
An intensive study-travel project in France. Departmental approval required. May be repeated up to 12 credit hours.

FRE 3500 FRENCH CIVILIZATION
PR: FRE 2200 or equivalent. Readings and discussion on the cultural history of France.

FRE 4421 COMPOSITION II
Continuation of French composition. This course is designed to follow FRE 3420.

FRE 4471 ADVANCED OVERSEAS STUDY
PR: FRE 4420 or CI. Intensive language study in France. Departmental approval required. May be repeated up to 12 credit hours.

FRE 4700 FRENCH LINGUISTICS
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
Study of an author, movement or theme.

FRE 5425 ADVANCED WRITTEN EXPRESSION
PR: FRE 4421, or equivalent. Course is designed to give advanced training in free composition in French.

FRE 5556 CONTEMPORARY FRANCE
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
PR: FRE 3230, FRE 3440. 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, Molliere, 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 5452 20TH CENTURY POETRY AND THEATRE (3)

FRW 5286 THE 20TH CENTURY NOVEL (3)
PR: FRW 4100. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.

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.

GET 3100 GERMAN LITERATURE IN ENGLISH TRANSLATION -XMW (3)
Analysis and interpretation of major works of German literature, to be read in English, with regard to their thought content and relevance to our thoughts and actions.

GEW 4100 SURVEY OF GERMAN LITERATURE I (4)
Old High German and Middle High German literature in modern German translation; the literature of Humanism and Baroque. The classical period.

GEW 4101 SURVEY OF GERMAN LITERATURE II (4)
The romantic period, 19th and 20th centuries.

GEW 4900 DIRECTED STUDY (1-3)
Departmental approval required.

GEW 4930 SELECTED TOPICS (1-3)
Study of an author, movement or theme.

GEW 5475 20TH CENTURY LITERATURE TO 1945 (3)
A study of major styles in German literature from 1900 to WW II with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George Rilke, Kaiser, Heym, Trakl, Thomas Mann, Hesse, Kafka, Benn, Brecht.

GEW 5489 20TH CENTURY LITERATURE: 1945 TO PRESENT (3)
Study of major trends in German literature since WW II with emphasis on Borchert, Frisch, Durrenmatt, Boll, Uwe, Johnson, Grass, Aicher, Bachmann.

GEW 5515 THE ENLIGHTENMENT (3)
Selected dramas and critical writings by Lessing, Wieland, Kant.

GEW 5545 ROMANTICISM (3)
Jenaer circle and Heidelberg circle; the late romantic period, the writers between Classicism and Romanticism.

GEW 5555 REALISM (3)
Selected works by Grillparzer, Grabbe, Buchner, Hebbel, Heine, Immerman, Stifter, Keller, Meyer, Storm, Raabe, Hulshoff, and Monike.

GEW 5605 GOETHE (3)

GEW 5606 FAUST (3)
Sources, form, content, and literary significance of Urfaust and Faust.

GEW 5615 SCHILLER (3)
Selected dramas, philosophical and aesthetic writings.

GEW 5934 SELECTED TOPICS (1-3)
Study of an author, movement or theme.

GER 1121 BEGINNING GERMAN I (4)
CR: GER 1120L. Development of basic skills in listening and reading comprehension, speaking and writing of German.

GER 1120 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 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 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 2200.
<table>
<thead>
<tr>
<th>Department</th>
<th>Course Code</th>
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<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hebrew</td>
<td>HBR 1120</td>
<td>MODERN HEBREW I</td>
<td>4</td>
<td>An intensive study of basic skills; pronunciation, listening comprehension, speaking and some composition.</td>
</tr>
<tr>
<td></td>
<td>HBR 1120L</td>
<td>MODERN HEBREW I LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>HBR 2200</td>
<td>MODERN HEBREW III</td>
<td>4</td>
<td>Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.</td>
</tr>
<tr>
<td></td>
<td>HBR 2200L</td>
<td>MODERN HEBREW III LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>HBR 2201</td>
<td>MODERN HEBREW IV</td>
<td>4</td>
<td>Continuation of HBR 2200. Practice of writing, speaking and listening skills for language students who intend to attain basic proficiency.</td>
</tr>
<tr>
<td></td>
<td>HBR 2201L</td>
<td>MODERN HEBREW IV LABORATORY</td>
<td>1</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>Italian</td>
<td>ITA 1120</td>
<td>BEGINNING ITALIAN I</td>
<td>4</td>
<td>The first course in the study of elementary Italian. Emphasis is on the development of basic skills in comprehension, speaking, and reading.</td>
</tr>
<tr>
<td></td>
<td>ITA 1120L</td>
<td>BEGINNING ITALIAN I LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>ITA 1200</td>
<td>MODERN ITALIAN I</td>
<td>4</td>
<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>
</tr>
<tr>
<td></td>
<td>ITA 1200L</td>
<td>MODERN ITALIAN I LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>ITA 1201</td>
<td>BEGINNING ITALIAN II</td>
<td>3</td>
<td>Readings in Italian on the current Italian idiom. Syntax is intensified and the vocabulary and idiomatic expressions expanded.</td>
</tr>
<tr>
<td></td>
<td>ITA 1201L</td>
<td>BEGINNING ITALIAN II LABORATORY</td>
<td>1</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>Japanese</td>
<td>JPN 1120</td>
<td>MODERN JAPANESE I</td>
<td>4</td>
<td>An intensive study of basic skills: pronunciation, listening comprehension, speaking and some composition.</td>
</tr>
<tr>
<td></td>
<td>JPN 1120L</td>
<td>MODERN JAPANESE I LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>JPN 1120L</td>
<td>MODERN JAPANESE II LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>JPN 2200</td>
<td>MODERN JAPANESE III</td>
<td>3</td>
<td>Continuing study to attain basic proficiency in Japanese.</td>
</tr>
<tr>
<td></td>
<td>JPN 2200L</td>
<td>MODERN JAPANESE III LABORATORY</td>
<td>1</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>
</tr>
<tr>
<td></td>
<td>JPN 2201</td>
<td>MODERN JAPANESE IV</td>
<td>3</td>
<td>Practice of writing, speaking, and listening skills to attain basic proficiency.</td>
</tr>
<tr>
<td></td>
<td>JPN 2201L</td>
<td>MODERN JAPANESE IV LABORATORY</td>
<td>1</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>
</tr>
</tbody>
</table>
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 I 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 1121L. 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.

RUS 2201 RUSSIAN IV (4)
PR: RUS 2200 or equivalent. Review and development of basic skills in conversation, composition, and reading.

RUS 2270 OVERSEAS STUDY (1-6)
Intensive study of the Russian language in Russia involving at least 20 hours per week of classroom instruction and cultural excursions conducted in Russian around Moscow and other parts of Russia. May be repeated up to 12 credit hours.

RUS 3240 RUSSIAN IV (4)
PR: Second year Russian or equivalent. Development of basic conversational skills.

RUS 3470 OVERSEAS STUDY (1-6)
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.

RUS 3500 RUSSIAN CIVILIZATION -6A (3)
A survey of the cultural history of Russia.

RUS 4241 RUSSIAN IV (4)
PR: Previous course in series or equivalent. Development of conversational skills.

RUS 4402 ADVANCED RUSSIAN CONVERSATION & COMPOSITION I (4)
PR: RUS 4241 or CI. Third year Russian.

RUS 4403 ADVANCED RUSSIAN CONVERSATION & COMPOSITION II (4)
PR: RUS 4241 or CI. Third year Russian.

RUS 4471 ADVANCED OVERSEAS STUDY (1-6)
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.

RUS 4700 RUSSIAN LINGUISTICS (3)
PR: LIN 3010 or equivalent or CI. An introduction to Russian Linguistics content: Phonology, Morphology, Word-formation, Syntax.

RUS 4900 SELECTED TOPICS (1-3)
Study of an author, movement or theme.

RUS 4905 DIRECTED STUDY (1-3)
Departmental approval required

RUT 3110 RUSSIAN CLASSICS IN ENGLISH -6A -XLW (3)
Masterpieces of 19th century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgenev,
Spanish

SPN 1120 BEGINNING SPANISH I (4)
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.

SPN 1120L BEGINNING SPANISH I LABORATORY (1)
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.)

SPN 1121 BEGINNING SPANISH II (4)
PR: SPN 1120 or equivalent. CR: SPN 1121L. 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.

SPN 1121L BEGINNING SPANISH II LABORATORY (1)
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.)

SPN 1130 ACCELERATED SPANISH FOR NEAR-NATIVE SPEAKERS AND OTHERS (1-6)
PR: CI. Accelerated course for near-native speakers and others with some knowledge of Spanish capable of making rapid progress.

SPN 2200 SPANISH III (3)
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.

SPN 2201 SPANISH IV (3)
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.

SPN 2240 CONVERSATION I (3)
PR: SPN 1121. For development of basic conversational skills. Not open to native or near-native speakers of Spanish.

SPN 2241 CONVERSATION II (3)
PR: SPN 2240 or equivalent. To improve fluency in spoken Spanish. Not open to native or near-native speakers of Spanish.

SPN 2270 OVERSEAS STUDY (1-6)
PR: SPN 1121. An intensive study-travel program in a Spanish-speaking country. Prior departmental approval and early registration are required.

SPN 3330 COMPOSITION (3)
PR: SPN 2200-2201. A study of syntax, grammar and writing. Not open to native or near-native speakers of Spanish.

SPN 3340 ADVANCED SPANISH FOR NATIVE SPEAKERS I (3)
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 a language. Emphasis on grammatical problems affecting such speakers. Texts and discussions in Spanish. This is primarily a discussion course, open to all majors and minors. May not count as Spanish major elective.

SPN 3341 ADVANCED SPANISH FOR NATIVE SPEAKERS II (3)
PR: SPN 3340. Continuation of 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, open to all majors and minors. May not count as Spanish major elective.

SPN 3344 ADVANCED SPANISH FOR BUSINESS WRITING (3)
PR: SPN 3440 or equivalent. Continuation of SPN 3440. Advanced business communication in Spanish through discussion, reading, and writing of representative texts from Spain, Mexico, and the Spanish speaking Caribbean. Emphasis on business forms and compositions 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.

SPN 3500 SPANISH CIVILIZATION I (3)
PR: SPN 1121. To culture and civilization of Spain.

SPN 3520 SPANISH AMERICAN CIVILIZATION (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: SPN 3440 or equivalent. Continuation of SPN 3440. Practical training in contemporary Spanish language as used in undertaking ordinary business transactions.

SPN 5525 MODERN SPANISH AMERICAN CIVILIZATION (3)
PR: SPN 3500 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.

SPN 5557 MODERN SPANISH CIVILIZATION (3)
PR: SPN 3500 or equivalent or graduate standing. Advanced readings and discussions dealing with contemporary Spanish civilization and culture, including a study of recent social, artistic and political trends. Texts and discussions in Spanish.

SPN 2524 WOMEN WRITERS OF LATIN AMERICA -AF (3)
Lecture/credit in translation. Women writers of Latin America. Emphasis on women writers from the origins through the 17th century.

SPW 3030 INTRODUCTION TO HISPANIC LITERATURE (3)
PR: SPN 2201 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.

SPW 5135 COLONIAL SPANISH AMERICAN LITERATURE (3)
PR: SPW 4131. An introduction to Colonial Spanish American Literature from the Discovery through the Romantic Period.

SPW 5355 SPANISH AMERICAN DRAMA & POETRY (3)
PR: SPW 4131. Major writers of all genres. Emphasis on modern writers.

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 5485 19TH CENTURY LITERATURE (3)

SPW 5505 CERVANTES
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)

SPW 5934 SELECTED TOPICS (3)
PR: Upper-level or graduate standing. Study of an author, movement or theme.

Yoruba

YOR 1120 YORUBA I (4)
This course is designed to familiarize students with modern orthography and to develop skills in reading, writing, speaking, and understanding spoken Yoruba. Pronunciation in Yoruba and achieving basic communicative competence in the language are among the skills to be attained in the course.

YOR 1121 YORUBA II (4)
A continuation of YOR 1120, this course delves further into the structure of Yoruba and its grammatical functions. Also covered is practice in reading elementary texts with emphasis on grammar, vocabulary, and an appreciation for style. Also included is composition and drills in oral work.

May be repeated up to 8 credit hours.

LINGUISTICS

ENS 1483 ENGLISH FOR FOREIGN STUDENTS I (3)
A special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension.

ENS 1484 ENGLISH FOR FOREIGN STUDENTS II (3)
PR: ENS 1483 or CI. A continuation of ENS 1483. Emphasis on reading and composition.

LIN 3010 INTRODUCTION TO LINGUISTICS (3)
Introduction to the basic principles of linguistic science; phonological and grammatical analysis and description; language change and genetic relationships.

LIN 3801 LANGUAGE AND MEANING -6A (3)
A survey introduction for non-specialists to the basic principles of semantics and the way language conveys ideas. This course is also available on WUSF/TV Channel 16 by the O.U. Program.

LIN 4040 DESCRIPTIVE LINGUISTICS (3)
PR: LIN 3010 or CI. Introduction to the basic techniques of formulating linguistic descriptions through elementary phonological, morphological, and syntactic data solution-problems drawn from a variety of languages. Both taxonomic and generative analysis and descriptions will be developed and compared.

LIN 4575 LANGUAGE TYPES OF THE WORLD (3)
An introduction to linguistic typology consisting in a systematic comparison of characteristic representatives of the various language types, such as Vietnamese, Malay, Hungarian, Swahili, Sanskrit, Hebrew, and others. No knowledge of any of these languages on the part of the student is presumed.

LIN 4600 LANGUAGE AND SOCIETY (3)
PR: LIN 3010. An analysis of the interrelation of a language and the structure of the society using it. The linguistic behavior patterns characteristic of particular social, political, economic, educational, and racial groups. Problems in communication between strata.

LIN 4710 LANGUAGE AND COMMUNICATION: ACQUISITION AND DEVELOPMENT: (3)
PR: LIN 3010. A survey of current research and theory on the processes of normal acquisition and development of language and communication in children. The acquisition and development of phonology, syntax, semantics, pragmatics, and nonverbal communication and the role of language in general cognitive development.

LIN 4930 DIRECTED READING (1-3)
PR: CI. Readings in special topics. Departmental approval required.

LIN 4930 SELECTED TOPICS (1-3)
Analysis of the methods of teaching English pronunciation and listening comprehension.

LIN 5400 DIRECTED STUDY (1-3)
Course be offered to content area teachers and to ESOL classroom. The new ESOL requirements specify that this course be offered to content area teachers and to ESOL teachers. May not be repeated for additional credit hours.

TSL 4374 METHODOLOGY OF TEACHING ENGLISH OVERSEAS (3)
PR: Upper-level standing. Designed to introduce and prepare the enrollee in the various facets of teaching English as a foreign language in the overseas setting. It will include aspects of teaching verbal skills and comprehension as well as writing. It involves a practicum at the English Language Institute on campus.

TSL 5321 ESOL STRATEGIES FOR CONTENT AREA TEACHERS (3)
This course is designed for public school teachers working with limited English proficient (foreign) students in the classroom. The new ESOL requirements specify that this course be offered to content area teachers and to ESOL teachers. May not be repeated for additional credit hours.

TSL 5371 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE (3)
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5372 ESOL CURRICULUM AND INSTRUCTION (3)
Analysis of the methods of teaching English pronunciation and structure to speakers of other languages.

TSL 5471 LANGUAGE TESTING (3)
PR: TSL 5371. This is a lecture course on the methodology of testing English as a second/foreign language. May not be repeated for additional credit hours.

TSL 5525 CROSS-CULTURAL ISSUES IN ESL (3)
PR: LIN 5700. This is a lecture course on cultural issues in teaching English as a second/foreign language. May not be repeated for additional credit hours.

Liberal Studies

IDS 3300 STRUCTURES OF KNOWLEDGE AND KNOWING (4)
Distinguishing the modalities of human knowledge and awareness as reflected in the classic distinctions: sensory/motor/emotive; normative/descriptive/non-rational; logical/mathematical; ethical/physical/moral; qualitative/quantitative; mind/will/body; substance and function.

IDS 3310 PROGRESS AND UTOPIA (4)
Examination of the modern backgrounds of contemporary
Library and Information Science

LIS 2001 INFORMATION RESOURCES AND LIBRARY RESEARCH
An introduction to the resources of the University of South Florida Library. Emphasis will be placed on library materials germane to the course work of the undergraduate. (3)

LIS 2002 INTRODUCTION TO THE INTERNET
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. (3)

LIS 2937 SELECTED TOPICS IN LIBRARY/INFORMATION SCIENCE
Course content determined by students' and instructor's interests and needs. (1-4)

Marine Science

OCE 2001 INTRODUCTION TO OCEANOGRAPHY - NS
Overview of biological, chemical, geological, and physical oceanography. (Also listed under Geology.) (3)

OCE 4930 SELECTED TOPICS IN MARINE SCIENCE
Selected topics in the marine sciences including marine biology, marine chemistry, marine geology, physical oceanography, and interdisciplinary topics relating to marine environments. (1-4)

Mass Communications

ADV 3000 INTRODUCTION TO ADVERTISING
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. (3)

ADV 3002 ADVERTISING DESIGN
PR: ADV 3000 for advertising sequence majors; VIC 3000 for other Mass Comm majors. Application of graphic design principles to various areas of advertising. Combining visual and verbal elements. (3)

ADV 3101 ADVERTISING COPYWRITING
PR: ADV 3000 and ECO 1000. Study of laboratory experience in preparation of advertising copy for newspapers, magazines, radio, television, direct mail, outdoor displays, specialty items, and interactive electronic media. (3)

ADV 3103 RADIO-TELEVISION ADVERTISING
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. (3)

ADV 3300 ADVERTISING MEDIA STRATEGY
PR: ACG 3074, ADV 3000, and ECO 1000. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising. (3)

ADV 3700 RETAIL ADVERTISING PLANNING AND EXECUTION
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. (3)

ADV 4800 ADVERTISING CAMPAIGNS
PR: ADV 3101, ADV 3300, MMC 4420, ECO 1000, and MAR 3023. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting, and media schedules. (3)

ADV 4940 ADVERTISING PRACTICUM
PR: CI. For advertising sequence majors. Practical experience outside the classroom where the student works for an academic credit under the supervision of a professional practitioner. Periodic written and oral reports to the faculty member coordinating the study. (S/U only.) (1)

FIL 2200 THE FILM AS MASS COMMUNICATION II: RHETORIC AND STYLISTICS
PR: FIL 3004. A continuation of FIL 3004 to include the effective arrangements of scenes and sequences in motion picture and television films. (3)

FIL 3004 THE FILM AS MASS COMMUNICATION I: SYNTAX
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. (3)

FIL 4404 SOCIAL HISTORY OF THE FILM, 1945 TO THE PRESENT
PR: MMC 2100 and MMC 3602. The development of the film from 1945 to the present. (3)

JOU 2100 BEGINNING REPORTING
PR: MMC 2100 and MMC 3602. Basic instruction in news judgment, sources of news, newspapering, and newswriting techniques. Typing ability is required. (3)

JOU 3101 ADVANCED REPORTING
PR: JOU 2100, or RTV 3304 (RTV majors only), JOU 4200 (may be taken concurrently), and PHI 1103. Getting information and writing the more complex and specialized story, techniques of investigative and analytical reporting, including ethical and legal considerations. (3)

JOU 3300 MAGAZINE ARTICLE AND FEATURE WRITING
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 idea; inductive analysis of contemporary magazine articles. (3)

JOU 3306 CRITICAL WRITING: EDITORIALS, REVIEWS, COLUMNS
PR: JOU 3101, 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. (3)

JOU 4340 REPORTING PRACTICUM
PR: JOU 3101 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 4104 PUBLIC AFFAIRS REPORTING** (3)
PR: JOU 3101 or RTV 3304 (RTV majors only), POS 2041 and POS 3142 or POS 2112. Covering city council meetings, courts, city hall, courts, society, and other special assignments. Emphasis is on coverage of major government units of all levels of government, including examination and interpretation of public documents and records.

**JOU 4200 NEWS EDITING I** (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-style 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.

**MMC 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.

**MMC 3602 MASS COMMUNICATIONS AND SOCIETY** (3)

**MMC 4123 MEDIA SCRIPT WRITING** (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.

**MMC 4200 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.

**MMC 4203 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.

**MMC 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.

**MMC 4900 DIRECTED READING IN MASS COMMUNICATIONS** (1-3)
PR: Junior standing and CI. Reading and directed study in special topics.

**MMC 4910 INDIVIDUAL RESEARCH IN MASS COMMUNICATIONS** (1-3)
PR: Junior standing and CI. The course provides means for a student to do independent study in an area not covered by a numbered course.

**MMC 4945 MEDIA INTERNSHIP-SEMINAR** (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.)

**PGY 410C COLOR PHOTOGRAPHY** (3)
PR: PGY 3620. 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.

**PGY 3610 PHOTOJOURNALISM I** (3)
PR: MMC 2100 and MMC 3602. Laboratory required. Camera operation, darkroom techniques, picture composition; editing; ethics, history, and laws in connection with photojournalism.

**PGY 3620 PHOTOJOURNALISM II** (3)
PR: PGY 3610. Laboratory required. Advanced process and practice of photography for publication. Content includes advanced camera and laboratory techniques, publication requirements, and theory of photochemical color separation used in magazine and newspaper. Emphasis is placed on student production.

**PUR 4000 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 4001 ADVANCED PUBLIC RELATIONS** (3)
PR: PUR 4401, PUR 4100, and MMC 4420. As the final course in the public relations sequence, it involves intensive study of counseling and problem-solving techniques used in professional practice. Analysis of case studies and preparation of complete public relations program. Extensive reading in the literature of contemporary practice.

**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.

**PUR 4401 PUBLIC RELATIONS: ISSUES, PRACTICES AND PROBLEMS** (3)
PR: PUR 3000. The theory of public relations practice and its application in the real world. The role of the public relations practitioner in business, government, and social institutions, and the nature of specialized areas of the practice. Identification of public issues, analysis of potential impact on organizations and development of strategies to deal with them successfully and responsibly. Communication techniques and trends.
Pur 4700 public relations practicum (1)
PR: Senior standing and CI. 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.)

Rtv 2100 writing for radio and TV (3)
PR: ENC 3310 or CRW 2100 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 3304 broadcast news (4)
PR: MMC 3602 and MMC 2100. Methods in gathering, writing, and editing newscasts for radio and television.

Rtv 3500 radio practicum (1)
PR: Rtv 3001 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.)

Rtv 4220 tv production and direction (3)
PR: Rtv 3001 and Rtv 3304. A basic course in the techniques of producing and directing TV programs.

Rtv 4301 tv news (3)
PR: Rtv 3001 and Rtv 3304. Techniques in writing and video taping for television news.

Rtv 4320 electronic field production (3)
PR: Rtv 3001 and Rtv 3304. 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: Rtv 3001, Rtv 3304, MMC 4200, POS 3142 or POS 2112; for programming option: Rtv 3001, Rtv 4500, Rtv 2100 or Rtv 3304, 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 3000 introduction to visual communications (3)
PR: MMC 2100 and MMC 3602. The survey of visual communication theory, techniques, and their contemporary application and social influences as applied to the visual media with emphasis on still photography, motion pictures, video tape, and graphics.

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.)

Colleges and Schools

Mathematics

Cgs 3422 problem solving using Pascal or C -6A (3)
PR: Rtv 3001 or CRW 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-Stieljes 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 5308 real analysis I (3)
PR: Maa 4211. Sets and functions, measure theory, measurable functions, Lebesgue 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, L^s 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.)

Maa 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.

Maa 2114 college trigonometry -6A -QM (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 MAA 2132.)

Maa 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, polynomials, 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 students with credit in MAA 2233 or MAA 2102.)

Maa 2230 business calculus -6A -QM (4)
PR: Three years of high school mathematics including two years of algebra or MAA 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 MAA 2233, MAA 2281, or MAA 2311.)

Maa 2233 elementary calculus I -6A -QM (3)
PR: Three years of high school mathematics including two years of algebra or MAA 2102. Differentiation and integration of algebraic functions with applications, exponential and logarithmic functions. MAA 2233 - MAA 2234 are primarily for students from biological and social sciences. (No credit for mathematics majors or students with credit in MAA 2230, MAA 2281, or MAA 2311.)

Maa 2234 elementary calculus II -6A -QM (3)
PR: Maa 2230 or Maa 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. (Finite integral theory.)

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 2230, MAC 2233, or MAC 2311.)

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 2311 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 2282.)

MAC 2312 CALCULUS II -6A -QM (4)
PR: MAC 2311 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 2313 CALCULUS III -6A (4)
PR: MAC 2312 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.

MAD 4401 NUMERICAL ANALYSIS -6A (4)
PR: MGF 3301 or MAD 3100. Mathematical aspects of digital computers. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.

MAD 4501 THEORY OF COMPUTATION -6A (3)

MAD 5101 LISP: PROGRAMMING WITH ALGEBRAIC APPLICATIONS (3)
PR: MGF 5306 or MAD 6510 or MAD 5311 or CI. Programming in LISP, functional languages, foundations of Lambda Calculus and algebraic applications (theory proving and game playing).

MAD 5305 INTRODUCTION TO GRAPH THEORY (3)
PR: CI. Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Polya’s Theorem, networks.

MAD 5875 ABSTRACT ALGEBRA FOR TEACHERS (3)
PR: MAE 4301 and bachelor’s degree or CC. Groups, fields, vector spaces as they relate to high school algebra and geometry. (No credit for mathematics majors.)

MAD 5877 MATHEMATICAL ANALYSIS FOR TEACHERS (3)
PR: MAC 2313 and bachelor’s degree or CC. Advanced consideration of limits continuity, derivatives, differentials. (No credit for Mathematics majors.)

MAP 2302 DIFFERENTIAL EQUATIONS -6A (3)
PR: MAC 2283 or MAC 2313. First order linear and nonlinear differential equations, higher order linear equations, applications.

MAP 5316 ORDINARY DIFFERENTIAL EQUATIONS I (3)
PR: MAP 2302 or CI. Existence and uniqueness theory, properties of solutions, linear systems, stability theory, Sturm-Liouville theory.

MAP 5317 ORDINARY DIFFERENTIAL EQUATIONS II (3)
PR: MAP 5316 and MAA 5307 or CI. Topics selected from fixed point theory, comparison theory, oscillation theory, Poincare-Bendixson Theory, Lyapunov functions, existence and uniqueness theory.

MAP 5345 APPLIED PARTIAL DIFFERENTIAL EQUATIONS (3)
PR: MAP 5407 or CI. Separation of variables, the heat equation, wave equation, Laplace’s equation, classification. Green’s functions, with emphasis on applications.

MAP 5407 METHODS OF APPLIED MATHEMATICS (3)
PR: MAC 2302 or CI. Sturm-Liouville theory, Fourier series, Green’s functions, matrix methods for linear systems of ordinary differential equations, and topics from calculus of variations, control theory, numerical solutions of differential equations.

MAP 5305 LINEAR ALGEBRA -6A (3)

MAP 4124 NUMERICAL LINEAR ALGEBRA -6A (3)
PR: MAP 2302 or CI. Separation of variables, the heat equation, wave equation, Laplace’s equation, classification. Green’s functions, with emphasis on applications.

MAP 4156 VECTOR CALCULUS -6A (3)
PR: MAC 2283. CR: MAC 2233 or MAC 2311. Functions of several variables, partial derivatives, vector algebra, applications. (No credit for students with credit in MAC 2313.)

MAP 5107 ADVANCED LINEAR ALGEBRA (3)
PR: CI. The course content will depend on the interest of faculty members and student demand.
affiliated hospital. A hospital clinical course on laboratory medicine and diagnosis using urine and other fluids such as semen, spinal, pleural, peritoneal and joint fluids.

**MLS 4861 CLINICAL IMMUNOLOGY** (2)
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on cellular components of the blood as related to laboratory diagnosis and disease, including blood coagulation and morphological and biochemical aspects of blood cells.

**MLS 4862 CLINICAL HEMATOLOGY** (6)
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course emphasizing pathogens responsible for disease in man, including morphology, physiology, and laboratory diagnosis of bacteria, fungi, parasites and viruses.

**MLS 4863 CLINICAL MICROBIOLOGY** (6)
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on the analysis of chemical substances found in the body as related to diagnosis of human disease, including topics such as instrumentation, electrophoresis, therapeutic drug-monitoring assays, tumor markers, and toxicology.

**MLS 4865 CLINICAL IMMUNOHEMATOLOGY** (6)
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 and blood components for transfusion therapy.

**MLS 4866 CLINICAL LABORATORY MANAGEMENT AND EDUCATION** (1)
PR: Senior standing and acceptance into an approved affiliated hospital. A hospital clinical course on concepts of laboratory management, including personnel staffing, reimbursements, quality assurance, and regulatory issues, and clinical education techniques, including writing, lecture presentation, and evaluation.

**Philosophy**

**PHI 2000 INTRODUCTION TO PHILOSOPHY -6A -HP** (3)
An introduction to selected philosophical problems and traditions.

**PHI 3062 HISTORY OF PHILOSOPHY: ANCIENT AND MEDIEVAL** (3)
A survey of Western philosophy from the pre-Socratics to the end of the Middle Ages.

**PHI 3420 HISTORY OF PHILOSOPHY: MODERN** (3)
A survey of Western philosophy from the end of the Middle Ages to the nineteenth century.

**PHI 4440 CONTINENTAL PHILOSOPHY** (3)
A study of developments in post-Kantian European philosophy.

**PHI 4600 CONTEMPORARY PHILOSOPHY -6A -XMW** (3)
Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.

**PHI 4700 AMERICAN PHILOSOPHY -6A -XMW** (3)
Major traditions in American thought, Puritanism, the Enlightenment, Transcendentalism, Idealism, Pragmatism, and Analytic Philosophy in relation to American culture.

**PHI 1103 CRITICAL THINKING -SS** (3)
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** (3)
An elementary study of propositional, predicate, class and syllogistic logic with some attention to basic problems of logical theory.
### Physics Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3103</td>
<td>PROBLEMS IN GENERAL PHYSICS II</td>
<td>1</td>
<td>PHY 3102, CR: PHY 3101, or CI: PHY 3102. Second semester of sequence PHY 3101.</td>
</tr>
<tr>
<td>PHY 3102</td>
<td>PROBLEMS IN GENERAL PHYSICS I</td>
<td>1</td>
<td>PHY 3103, CR: PHY 3101, or CI: PHY 3101. First semester of two semester sequence PHY 3102.</td>
</tr>
<tr>
<td>PHY 5937</td>
<td>PHYSICS SEMINAR</td>
<td>1</td>
<td>Senior or advanced standing or CC. All graduate students must enroll in this course at least once and are expected to attend all Physics Colloquia.</td>
</tr>
<tr>
<td>PHY 5936</td>
<td>Selected Topics in Physics</td>
<td>1-4</td>
<td>Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.</td>
</tr>
<tr>
<td>PHZ 3101</td>
<td>MATHEMATICAL ANALYSIS OF PROBLEMS IN MECHANICS AND ELECTRICITY</td>
<td>2</td>
<td>PHY 3232 or MAC 2283 or MAC 2313. Designed for students who have not had the general physics sequence using calculus. Review of mechanics and electricity emphasizing problems which involve the use of calculus.</td>
</tr>
<tr>
<td>PHZ 3102</td>
<td>PROBLEMS IN GENERAL PHYSICS I</td>
<td>1</td>
<td>PHY 2049. First semester of two semester sequence of general physics problems. A course designed to allow those interested students to investigate problems not covered in the general physics course.</td>
</tr>
<tr>
<td>PHZ 3103</td>
<td>PROBLEMS IN GENERAL PHYSICS II</td>
<td>1</td>
<td>PHY 2049. Second semester of sequence PHZ 3102, PHZ 3103.</td>
</tr>
</tbody>
</table>

### Political Science Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 2002</td>
<td>INTRODUCTION TO COMPARATIVE POLITICS - SS</td>
<td>3</td>
<td>Comparison and analysis of representative European and non-Western political systems.</td>
</tr>
<tr>
<td>CPO 4034</td>
<td>POLITICS OF THE DEVELOPING AREAS</td>
<td>3</td>
<td>Analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.</td>
</tr>
<tr>
<td>CPO 4930</td>
<td>COMPARATIVE GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS</td>
<td>3</td>
<td>Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered. May be repeated up to 9 credit hours as topics vary.</td>
</tr>
<tr>
<td>CPO 5934</td>
<td>SELECTED TOPICS IN COMPARATIVE POLITICS</td>
<td>3</td>
<td>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.</td>
</tr>
</tbody>
</table>

### Other Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</tr>
</thead>
<tbody>
<tr>
<td>INR 4102</td>
<td>AMERICAN FOREIGN POLICY</td>
<td>3</td>
<td>Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.</td>
</tr>
<tr>
<td>INR 4110</td>
<td>INTERNATIONAL RELATIONS</td>
<td>3</td>
<td>Concepts and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.</td>
</tr>
<tr>
<td>INR 4254</td>
<td>AFRICA IN WORLD AFFAIRS</td>
<td>3</td>
<td>Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.</td>
</tr>
<tr>
<td>INR 4334</td>
<td>DEFENSE POLICY</td>
<td>3</td>
<td>Analytic institutional factors contributing to formulation of defense policy and the impact of such policy on international relations.</td>
</tr>
<tr>
<td>INR 4403</td>
<td>INTERNATIONAL LAW</td>
<td>3</td>
<td>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.</td>
</tr>
<tr>
<td>INR 4502</td>
<td>INTERNATIONAL ORGANIZATIONS - SS - AF</td>
<td>3</td>
<td>Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN; regional organizations and multi-national corporations.</td>
</tr>
</tbody>
</table>
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 - SS - HP (3)
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 3145 GOVERNING 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 3283 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 POLITICAL SCIENCES (3)
A survey of law and 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, 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 powers, legislative, administrative, political, and foreign 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, relations with governmental and nongovernmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.

POS 4614 CONSTITUTIONAL LAW I (3)
PR: POS 2041. Leading social problems, principle institutions, and the scope of powers. Analysis of Supreme Court decisions, scholarly commentaries, and the writings of leading public figures.

POS 4624 CONSTITUTIONAL LAW II (3)
PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on the constitutional rights of individuals.

POS 4693 WOMEN AND LAW I (3)
Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues. (May also be taken for credit in Women's Studies.)

POS 4694 WOMEN AND LAW II - XMW (3)
PR: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. May also be taken for credit in Women's Studies.)

POS 4905 INDEPENDENT STUDY (1-3)
PR: 3.0 average in Political Science and CI. Specialized study determined by the student's needs and interests. (S/U only)

POS 4910 INDIVIDUAL RESEARCH (1-3)
PR: 3.0 average in Political Science and CI. Investigation of some aspect of political science culminating in the preparation of an original research paper.

POS 4936 SENIOR SEMINAR (3)
PR: Senior standing and CI. An opportunity to work with others in a seminar format, exploring specialized topics.

POS 4941 FIELD WORK (3)
PR: 3.0 average in Political Science and CI. Opportunity for students to obtain practical experience as aides to agencies of government and political parties.

POS 4970 HONOR THESIS (3)
PR: Admission to Honor option. Writing of honor thesis under direction of faculty members.

POS 5094 ISSUES IN AMERICAN NATIONAL AND STATE GOVERNMENT (3)
Selected topics of study in American government. May be repeated for credit as topics vary.

POS 5155 ISSUES IN URBAN GOVERNMENT AND POLITICS (3)
Selected issues and topics in Urban Government and politics. May be repeated for credit as topics vary.

POS 5736 POLITICAL RESEARCH METHODS (3)
A survey of methods, problems, and issues in political research and analysis for the advanced student.

POT 3003 INTRODUCTION TO POLITICAL THEORY (3)
Examines various kinds of theory used in political science for understanding political life: normative theory, empirical theory, historicist theory, analytical theory, and critical theory.

POT 3013 CLASSICAL POLITICAL THEORY (3)
Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.

POT 4054 MODERN POLITICAL THEORY (3)
Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.
CLP 4433 PSYCHOLOGICAL TESTS AND MEASUREMENT (3)  
PR: PSY 3213 with a grade of C or better, psychology major 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, psychology major 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, psychology major 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, psychology major or CI. Available to both majors and non-majors. Physiological 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, psychology major 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, psychology major or CI. A survey of motivational processes and mechanisms from physiological and psychological viewpoints.

EXP 4404 PSYCHOLOGY OF LEARNING (3)  
PR: PSY 3213 with a grade of C or better, psychology major 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, psychology major 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.

GEY 4810 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 2101 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, psychology major 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, psychology major 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, psychology major or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous system.
system and theory of brain functions.

**PSY 2043: AN INTRODUCTION TO CONTEMPORARY PSYCHOLOGY -SS**
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**
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**
PR: PSY 3044, psychology major, 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, psychological physiology, and cognition.

**PSY 3213: RESEARCH METHODS IN PSYCHOLOGY**
PR: PSY 3044, psychology major, or CI. This course considers the logic of experimental design, concept of control and 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**
PR: PSY 3213 with grade of C or better, psychology major, or CI. Detailed coverage of those research designs and statistical techniques having the greatest utility for research problems in psychology. Emphasis on analysis of variance.

**PSY 4604: HISTORY AND SYSTEMS OF PSYCHOLOGY**
PR: PSY 3213 with a grade of C or better, psychology major, or CI. A historical overview of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

**PSY 4913: DIRECTED STUDY**
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**
PR: Upper-level standing, psychology major and CI. Graduating senior 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**
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**
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**
A broad 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 4044: SOCIAL PSYCHOLOGY**
PR: PSY 3213 with a grade of C or better, psychology major 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**
PR: PSY 3213 with a grade of C or better, psychology major or CI. Explores the influence 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**
Examination of organizational behavior and change, policy process, public management, financial administration, and personnel management from the perspective of public and social delivery.

**PAD 4204: PUBLIC FINANCIAL ADMINISTRATION**
PR: upper-level standing, psychology major or CI. Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

**PAD 5035: ISSUES IN PUBLIC ADMINISTRATION AND PUBLIC POLICY**
PR: Admission to honors program in psychology and CI. May be repeated for credit as topics vary.

**PAD 5333: CONCEPTS AND ISSUES IN PUBLIC PLANNING**
PR: URP 4050 or URP 6056. Analysis of basic concepts, issues, and strategies of planning; policy determination, collection of information, and decision-making.

**PAD 5605: ADMINISTRATIVE LAW**
An examination of the constitutional and statutory bases and limitations of the administrative process, administrative adjudication, rule making, and the judicial review of such actions.

**PAD 5612: ADMINISTRATIVE REGULATION**
Analysis of the regulatory functions and processes in the American political system: regulatory commissions, their functions, powers, management, reforms, and relationship with other branches of government.

**PAD 5700: RESEARCH METHODS IN PUBLIC ADMINISTRATION**
This course provides the student with the fundamental skills and knowledge of how research is designed, implemented, analyzed, and utilized in public sector agencies. Available to majors and non-majors.

**PAD 5807: ADMINISTRATION OF URBAN AFFAIRS**
Analysis of the role of the administrator at the municipal level; the division of functions; policy formation; alternative governmental structures; effects on the administrative process, and the relationship with other branches of government.

**PAD 5836: COMPARATIVE PUBLIC ADMINISTRATION**
How organizations and managers perform within a particular environment, potential impact of innovation, and how service is accomplished in a variety of socio-economic environments.

### Rehabilitation Counseling

**RCS 3030: REHABILITATION COUNSELING: CONCEPTS AND APPLICATIONS**
This introductory course (1) surveys the theories, concepts, and attitudes involved in helping disabled or unable persons become increasingly able. (2) provides initial experiences with these counseling perspectives and methods and their personal application.

**RCS 5080: MEDICAL ASPECTS OF DISABILITY**
PR or CR: RCS 5700. A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicap, physical and mental, to rehabilitation and mental health programming.

**RCS 5404: INTERPERSONAL COUNSELING II: PERSONALITY THEORY**
A skill-building course on the utilization of one’s self in rehabilitation and mental health counseling relationships. Includes the study of personality theories and their contribution to successful counseling and rehabilitation practice.
This course explores the unity and diversity of religious traditions in a global context in order to understand the mutual interactions between religions and cultures. Emphasis is placed on the role of religions in shaping human values which can either create or resolve social conflicts, and the impact these values can have on issues of race, ethnicity and religious diversity in a multicultural world.

REL 2500 HISTORY OF CHRISTIANITY - 6A - HP
The historical development of Christianity, its ideas and institutions, from the first century to the rise of religious modernism in the 19th century.

REL 3003 INTRODUCTION TO RELIGION
This course examines the phenomenon of religion to answer the question: Religion, what is it? Religious thought (mythology and theology) and religious behavior (ritual and morality) are closely examined.

REL 3114 COMEDY, TRAGEDY, AND RELIGION - 6A - XMW
Examines the visions of life in comedy and tragedy, and relates both to Judaism, Christianity, and Zen Buddhism.

REL 3120 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 3131 NEW RELIGIONS IN AMERICA
A course designed to allow the student to survey the wide spectrum of contemporary sects and cults and learn what motivates their development.

REL 3132 WITCHCRAFT AND PAGANISM IN AMERICA
A study of contemporary witchcraft and paganism, including theories, methods, history, myths and symbols, beliefs, rituals and practices, believers, recruitment, socialization, and organizations.

REL 3145 WOMEN AND RELIGION - 6A
An analysis of the status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them. (May also be taken for credit in Women's Studies.)

REL 3146 THE HOLY QUEST IN CONTEMPORARY FILMS - 6A - AMERICA
A course designed to allow the student to survey the wide spectrum of contemporary sects and cults and learn what motivates their development.

REL 3150 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 3155 LIFE AFTER DEATH
An exploration of ideas about life after death and its relations to this life, in Judaism, Christianity, Islam, Hinduism, and Buddhism.

REL 3170 RELIGION, ETHICS AND SOCIETY THROUGH FILM - 6A - AMERICA
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 3180 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 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 from the Near East and Hinduism, Taoism, Confucianism, and Buddhism from ancient times to the present.
the Far East. General comparison of Western and Eastern beliefs.

REL 3330 THE RELIGIONS OF INDIA -AF -SS (3)  
All religions of the world came to India and all became Indian. What is this "Indianness" which stems from Hinduism, Buddhism, Jainism and Sikhism, but extended itself to include Judaism, Christianity, Islam, Zoroastrianism and Balvāt. Readings from classical texts and modern literature.

REL 3367 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 3420 CONTEMPORARY RELIGIOUS THOUGHT (3)  
An examination of the central ideas of recent theological thinkers; such men as Barth, Brunner, Buttmann, 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 3600 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 declaration of what it means to be a Jew.

REL 3602 CLASSICS 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 3611 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 -HP -AF (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)  
The 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 (1-4)  
PR: CI. Course contents depend on students' needs.

REL 4113 THE HERO AND RELIGION -XMW (3)  
A study of the way 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 in America 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 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 varieties of mystical experience recorded in the writings of the mystics.

REL 4221 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/PROPHETS AND WRITINGS (4)  
PR: REL 3210 or REL 4221 or CI. An investigation of the prophetic movement and the historical and cultic 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 Brahmins; 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 various schools and practices of Buddhism and its adaptation by these ancient cultures.

REL 4458 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 continue to be evident in the traditional Roman and Eastern Orthodox churches.

REL 4626 REASON IN RELIGION: TALMUDIC LOGIC -XMW (3)  
Analyzes the modes of thought and of logical analysis of the Talmud of Babylonia, the way in which applied logic and practical reason work in a religious definition of the social order; the dialectical argument.

REL 4670 JUDAISM AND CHRISTIANITY AFTER THE HOLOCAUST -6A -XMW -XLW (4)  
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.

**REL 4910 UNDERGRADUATE RESEARCH** (1-4)
PR: Junior standing and CI. Individual investigations with faculty supervision.

**REL 4931 SEMINAR IN RELIGION** (3)
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.

**REL 4936 SELECTED TOPICS** (1-4)
PR: Junior standing and CI. Individual investigations with faculty supervision.

**REL 4939 THE DEVELOPMENT OF RELIGIOUS STUDIES** (3)
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.

**WST 5318 FEMINIST SPIRITUALITY** (3)
This course focuses 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 not be repeated. (May be taken through Women’s Studies.)

**Social Work**

**SOW 3101 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I** (4)
PR: All pre-core courses. Restricted to Social Work majors, others by School permission. An integrating human behavior-social environment course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with individuals.

**SOW 3102 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II** (4)
PR: SOW 3101. Restricted to Social Work majors; others by School permission. An integrating course emphasizing dynamics of behavior and environmental factors as they relate to social work practice with families, group organizations and communities.

**SOW 3203 THE AMERICAN SOCIAL WELFARE SYSTEM -SS(3)**
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.

**SOW 3302 INTRODUCTION TO SOCIAL WORK** (3)
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.

**SOW 3401 RESEARCH AND STATISTICS FOR SOCIAL WORK** (4)
PR: All pre-core courses. 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.

**SOW 4233 SOCIAL WELFARE: POLICY & PROGRAM** (4)
PR: All pre-core courses. 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.

**SOW 4341 MULTI-METHODS OF SOCIAL WORK PRACTICE I: MICRO-SYSTEM INTERVENTION** (5)
PR: SOW 3101; SOW 3401. 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.

**SOW 4343 MULTI-METHODS OF SOCIAL WORK PRACTICE II: MACRO-SYSTEM INTERVENTION** (5)
PR: All pre-core courses, SOW 4341; SOW 4233, and SOW 3102 may be taken as PR or CR. 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.

**SOW 4510 INTEGRATIVE SEMINAR** (3)
PR: Completion of all social work core courses except SOW 4522. 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.

**SOW 4510L FIELD PLACEMENT** (6)
PR: Completion of all social work core courses except SOW 4522. 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. (S/U only.)

**SOW 4522 SENIOR SEMINAR: MULTICULTURAL AMERICA** (3)
PR: SOW 3203, SOW 3302, SOW 3101, SOW 4341. The course focuses on the students’ understanding of the historical and contemporary cultural and intergenerational issues.

**SOW 4900 DIRECTED READINGS** (1-9)
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 the nature of work to be completed. May be repeated up to 6 credit hours.

**SOW 4910 DIRECTED RESEARCH** (1-6)
PR: Completion of four social work courses including SOW 3401, upperlevel 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.

**SOW 4930 VARIABLE TOPICS IN SOCIAL WORK** (1-3)
Restricted to Social Work majors, others by School permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student’s educational interest.

**SOW 5930C SELECTED TOPICS IN SOCIAL WORK** (1-4)
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.

**Sociology**

**SYA 3010 CLASSICAL THEORY** (3)
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.

**SYA 3015 CONTEMPORARY THEORY** (3)
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.

**SYA 3300 RESEARCH METHODS** (3)
PR: SYG2000 and STA 2122 or its equivalent. Introduction to the scientific method and its application to social science research. Research design, sampling techniques, and critical evaluation of social research. Required for Sociology majors.

**SYA 3310 QUALITATIVE INQUIRY -6A – XLW** (3)
PR: SYG2000 or CI. Exploration of human relationships and behaviors, organizations, and cultural life through research techniques such as interviews, participant observation, life histories, and narratives. Permit required.
SYG 3503 VISUAL SOCIOLOGY (3) PR: SYG2000 or CI. An investigation of the relationship between visual representation (especially photography) and our understanding of the social world.

SYG 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 (particularly 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 CI. 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) PR SYG2000 or CI. Selected specialized topics in sociology. Topics such as AIDS in society, drugs in society, problems in education, sociology of childhood, public life, family violence, 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 4920 SENIOR SEMINAR - III (3) PR: Senior standing, SYG2000, SYA3300 plus 6 hours of sociology electives. The opportunity for senior Sociology majors to apply theory and methods to a selected topic of relevance 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 CI. 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. (SU only)

SYD 3441 PEASANT PERSPECTIVES - AF (3) PR: SYG2000 or 6 hours of other Social Science Gen. Ed. coursework or CI. 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 (3) PR: SYG2000 or CI. Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4200 GLOBAL POPULATION (3) PR: SYG2000 or CI. Upper level standing. Sociological determinants of fertility, mortality and migration; theories of population change.

SYD 4410 URBAN SOCIOLOGY (3) PR: SYG2000 or CI. Upper-level standing. The social structure of the community in modern industrial societies. Analysis of community change.

SYD 4800 GENDER AND SOCIETY (3) PR: SYG2000. WST2010 or 2011; or CI. 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) PR: SYG2000 or CI. Examination of the family as a social institution, principles of family organization. Variations in American family types by social class, race, ethnicity. Social changes and problems in American families.

SYG 3200 SOCIOLOGY OF RELIGION (3) PR: SYG2000 or CI. 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.

SYG 3500 SOCIAL ORGANIZATION (3) PR: SYG2000 or CI. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SYG 3530 SOCIAL STRATIFICATION (3) PR: SYG2000 or CI. An examination of the social factors that affect government, politics, and political behavior.

SYG 3760 OCCUPATIONS AND PROFESSIONS (3) PR: SYG2000 or CI. 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.

SYG 4400 HEALTH AND SOCIETY (3) PR: SYG 2000 or CI. 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.

SYG 4410 DISABILITY & SOCIETY (3) PR: SYG2000 or CI. 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.

SYP 3500 SOCIAL PSYCHOLOGY-SS (3) PR: PSY2012 or SYG2000 or CI. 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 4300 COLLECTIVE BEHAVIOR (3) PR: SYG2000 or CI. Study of the development of group and mass behavior crowds, social movements.

SYP 4420 CONSUMER CULTURE (3) PR: SYG2000 or CI. The exploration of how Americans' purchasing behavior connects to larger historical shifts in our economy, including disenchchantment, alienation, inequality, and the rise of the credit card society.

SYP 4510 SOCIOLOGICAL ASPECTS OF DEVIANCE (3) The examination of the social construction of deviance: How deviance is defined, implications of deviance designations. Applications of theories of deviance to questions such as motivations of deviants and implications of criminal justice processing of deviants.

SYP 4530 SOCIOLOGY OF JUVENILE DELINQUENCY (3) PR: SYG2000 or CI. Sociological issues in defining delinquency, the nature of adolescence and delinquency, sociological theories of the causes of delinquency, types and consequences of social control applied to delinquents.

SYP 4640 LEISURE IN SOCIETY (3) PR: SYG2000 or CI. Sociological examination of leisure in the United States and other countries. Topics include changing leisure time patterns, relationships between leisure and work personality, family, community, subcultures, religion, and social class.

SYP 4650 SPORT IN SOCIETY (3) PR: SYG2000 or CI. An examination of the broad issues concerning sport in both a historical and contemporary perspective. Sport will be viewed in relation to social
institutions, economic considerations, mass media, and the sport group as a micro-social system.

Women's Studies

AFA 4335 BLACK WOMEN IN AMERICA -6A -XMW (3)
An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience. (May also be taken for credit in Africana Studies.)

AMH 3681 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, religion and reform movements will be examined. (May also be taken for credit in History.)

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, wars, religion and reform movements will be examined. (May also be taken for credit in History.)

AMS 3370 SOUTHERN WOMEN: MYTH AND REALITY -6A (3)
An analysis of the myths surrounding Southern Women, this course will identify these myths, discern their sources and purposes, and contrast them with history. (May also be taken for credit in American Studies.)

ANT 4302 SEX ROLES IN CROSSTCULTURAL PERSPECTIVE (3)
PR: ANT 3402 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. (May also be taken for credit in Anthropology.)

COM 4030 WOMEN AND COMMUNICATION (3)
Examines women's patterns of communication in a variety of contexts. (May also be taken for credit in Communication.)

PHI 4632 FEMINIST ETHICS -XMW (3)
A study of the varied approaches to moral reasoning taken by feminist ethical writers such as Wollstonecraft, Mill, Gilligan, Daly, Hargreaves and others. (May also be taken for credit in Philosophy.)

PHM 5125 TOPICS IN FEMINIST PHILOSOPHY (3)
A survey of recent feminist philosophical approaches to epistemology, aesthetics or political philosophy. (May also be taken for credit in Philosophy.)

POS 4693 WOMEN AND LAW I (3)
Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues. Open to majors and non-majors. (May also be taken for credit in Government and International Affairs.)

POS 4694 WOMEN AND LAW II (3)
PR: POS 4693 or CI. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. (May also be taken for credit in Government and International Affairs.)

PJP 4323 WOMEN AND POLITICS -6A -XMW (3)
An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. Open to majors and non-majors. (May also be taken for credit in Government and International Affairs.)

REL 3145 WOMEN AND RELIGION -6A (3)
Status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them. (May also be taken for credit in Religious Studies.)

SOP 3742 PSYCHOLOGY OF WOMEN -SS (3)
Theories of female personality. Current research on socialization, sexuality, reproduction. Emerging lifestyles and developmental tasks of the life cycle. (May also be taken for credit in Psychology.)

SPT 2524 WOMEN WRITERS OF LATIN AMERICA -6A -XMW (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 for credit in Modern Languages and Linguistics.)

SYD 4800 GENDER AND SOCIETY (3)
PR: SYD 2000, WST 3010 or 3011; or CI. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (May also be taken for credit in Sociology.)

WST 2308 THE FEMALE EXPERIENCE IN AMERICA -HP (3)
The female experience in America, in historical context, with an emphasis on women in families of various classes, races, and ethnic groups from colonial times to 1870.

WST 2380 HUMAN SEXUAL BEHAVIOR -SS (3)
The dynamics of human sexuality, biological, constitutional, cultural, and psychological aspects. The range of sexual behavior across groups. Sources of beliefs and attitudes about sex, including sex roles and especially female sexuality.

WST 3010 INTRODUCTION TO WOMEN'S STUDIES -SS -NW (3)
Survey of major issues relevant to the female experience. The women's movement: historical, psychological, sociological, anthropological perspectives.

WST 3011 ISSUES IN FEMINISM -SS (3)
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3210 WOMEN IN WESTERN CIVILIZATION I -6A -HP (3)
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in History.)

WST 3220 WOMEN IN WESTERN CIVILIZATION II -HP (3)
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in History.)

WST 3275 WOMEN IN THE DEVELOPING WORLD (3)
Survey of status of women in Asia, Africa, Latin and Caribbean America, compared to that in USA, Canada, West Europe, Marxist-Leninist countries. (May also be taken for credit in Government and International Affairs.)

WST 3360 MEN AND SEXISM (3)
Ways in which sex role conditioning affects the lives of men. Factors in this conditioning, and alternatives to masculine sex role models.

WST 4260 RESEARCH ISSUES ON WOMEN OF COLOR -6A -XMW (3)
An interdisciplinary introduction to the research process as it has been carried out on women of color nationally and internationally.

WST 4262 LITERATURE BY AMERICAN WOMEN OF COLOR -6A -XLW (3)
An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicanas/U.S. Latinas. Readings will include literature and contextual articles on historical and cultural issues. (May also be taken for credit in English.)

WST 4263 THIRD WORLD WOMEN WRITERS -XLW (3)
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.)

WST 4265 FEMINISM IN AMERICA -6A -XMW (3)
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.
WST 4320 WOMAN'S BODY/WOMAN'S MIND (3)
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.

WST 4335 WOMEN AND FILM (4)

WST 4342 CLASSICS IN FEMINIST THEORY -XMW (3)
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.)

WST 4350 WOMEN AND SCIENCE -XMW (3)
An examination of selected issues related to women and 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.

WST 4900 DIRECTED READINGS (1-3)
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.

WST 4910 DIRECTED RESEARCH (1-3)
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.

WST 4930 SELECTED TOPICS (1-4)
PR: WST 3010 or CI. Study in special areas such as Women and Work, Reproductive Law, Women and Health.

WST 4935 SEMINAR IN WOMEN'S STUDIES (3)
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.

WST 5001 FEMINIST RESEARCH AND METHODOLOGY (3)
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.

WST 5266 WOMEN OF COLOR: ACTIVISM AND SOCIAL CHANGE (3)
Intensive reading and discussion of the participation of women of color in contemporary revolutionary and reformist activities. Class project involvement is required.

WST 5318 FEMINIST SPIRITUALITY (3)
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.)

WST 5934 SELECTED TOPICS (1-4)
Study of current research methods and scholarship on women from a multidisciplinary perspective. May be repeated as topics vary. (CI).