

College of Liberal Arts and Sciences

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Admission Requirements

The college requires 16 high school units including:

- 4 years of English
- 3 years of mathematics, with 4 preferred
- 2 years of a single foreign language, with 3 preferred
- 2 years of a laboratory science
- 2 years of social science

The Transfer Admissions Office reviews credits from other institutions. Unless exempted by the Dean or the Assistant Vice Provost, students shall take all of their course work at the University during the last two semesters.

Bachelor's Degree Requirements

To graduate a student must:

1. earn a minimum of 120 credits.
2. earn at least 45 credits numbered 2000 or above.
3. meet the College of Liberal Arts and Sciences (from the list that follows) General Education and concentration requirements.
4. have an overall grade point average of at least 2.0 and a grade point average of at least 2.0 in the courses presented in satisfaction of major requirements.

Field of Concentration

Only courses taken at the University of Connecticut meet the requirement. Students may not use Pass/Fail courses to meet these requirements. Exceptions are made by the dean of the college.

1. Major and related groups. The field of concentration includes both the major and related groups; it must total at least 36 credits, all numbered 2000 or above. At least 24 credits in one department, or with the permission of the head of the student's major department, in two related departments, make up the major group. At least 12 credits in courses closely related to the student's major, but outside the major department, make up the related group. Students must earn an overall grade point average of at least 2.0 and a grade point average of at least 2.0 in the courses presented in satisfaction of major requirements.

2. Double Major Program. Students may earn a double major by selecting two majors within the College. A minimum of 48 credits without overlap is required to earn both majors. Therefore, students may not be able to double major if the two majors they choose require the same courses and prevent them from earning 48 credits without overlap. Acceptance into the Double Major program requires the Dean's approval. Students shall choose one of the two majors as their primary major and shall receive one degree appropriate to that major. (Note: students cannot choose one major from the College of Liberal Arts and Sciences and a second from another school or college. This combination is only possible through the Additional Degree program, explained in the "Academic Regulations" section of this Catalog.)

Plan of Study

Students shall file with the department of their major, after approval by their major academic advisor, a tentative plan of study on a form provided by the advisor. Students must file the tentative plan of study by the beginning of advance registration in their fifth semester.

Students shall file a final plan of study with the Registrar by the end of the fourth week of the semester in which they expect to graduate. The advisor and the department head shall approve the final plan of study.

Students completing a double major must file a plan of study for each major.

Bachelor's Degree Requirements

Bachelor of Arts (B.A.) and Bachelor of Science (B.S.)

As well as satisfying all University General Education requirements, students must also satisfy the following requirements for a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. To determine whether a given major can lead to the B.A., the B.S., or both, consult the descriptions of majors below.

Foreign Languages: All students must have either (1) passed a third-year high school-level course in a single foreign language, (2) high school work and an added year of intermediate level college courses, or (3) two years of a single foreign language through the intermediate level in college.

Expository Writing: All students must take English 1010 or 1011, and three W courses, two required at the 2000-level or above with at least one 2000-level or above W course approved for use in the major field of study. No student who has not passed the writing component of W courses may pass the course.

Quantitative Reasoning: Three Q courses, at least one of which must be in Mathematics or Statistics. Students should contact the Q-advising contours, accessible on-line, and their advisers to determine the adequacy of their preparedness for specific Q-courses. Q courses may be used to satisfy other degree requirements.

Computer Competency: Unless an additional requirement is specified in a major, the Computer Technology Competency exit requirement for students in the College of Liberal Arts and Sciences does not go beyond the University's entrance requirement.

The courses in the University General Education content areas one, two, and three and the areas indicated below must be taken in at least eight different academic units.

Bachelor of Arts (B.A.):

Five courses, including one from each of the areas A-D and a fifth course from any area A-E. Courses must be from at least four different academic units.

A. Arts:

AFAM/FINA 1100
 ART 1000
 ARTH 1128, 1137, 1138, 1141, 1162
 CLCS 1110
 DRAM 1101, 1110
 FREN 1171
 GERM 1171, 3261W, 3264W
 ILCS 1149, 3258/W, 3260W
 MUSI 1001, 1002, 1004, 1005, 1021, 1022, 1112
 SPAN 3250
 WS 1104

B. Literature:

CAMS 1101, 1102, 1103
 CLCS 1101, 1102
 ENGL 1101/W, 1103/W, 1503, 1616/W, 1640W, 2100, 2101, 2274W, 2401, 2405, 2407
 FREN 1176, 3230, 3234*, 3261W*, 3262W*, 3270W
 GERM 1140W, 3252W, 3253W, 3254W, 3255W
 HEB/JUDS 1103
 ILCS 1101, 1158, 3255W
 SPAN 1007, 3232*

C. History:

AASI/HIST 3531
 ECON 2101/W, 2102/W
 GEOG/URBN 1200
 HIST 1100/W, 1201, 1203/WS 1121, 1206, 1300, 1400, 1501/W, 1502/W, 1800, 1805, 2401, 2402, 3705
 HIST 3674/PRLS 3220, HIST/PRLS/LAMS 3660W
 HIST/SCI 2206

* indicates foreign-language prerequisite

D. Philosophical/ethical analysis:

HRTS/PHIL 2170W
LING 1010
PHIL 1101, 1102, 1103, 1104, 1105/W, 1106, 1107, 1165W, 1175
POLS 1002

E. World cultures:

ANTH 1001W, 3401
ARAB 1121, 1122
AASI 3201
CHIN 1121, 1122
CLCS 1103W
FREN 1169, 1176, 1177, 3210*, 3211*, 3218, 3224, 3235, 3267/W*, 3268/W*
GERM 1169, 1175, 3251, 3258
ILCS 1160, 1170
INTD 3260
SPAN 1008

Bachelor of Science (B.S.), All of the following:

One of the Chemistry Sequences: CHEM 1124Q, 1125Q, 1126Q; CHEM 1127Q, 1128Q; CHEM 1137Q, 1138Q; CHEM 1147Q, 1148Q

One of the Mathematics Sequences: MATH 1120Q, 1121Q, and either 1122Q or 1132Q; MATH 1131Q (or 1151Q), 1132Q (or 1152Q); MATH 2141Q, 2142Q

One of the following: BIOL 1107, 1108, 1110

One of the Physics Sequences: PHYS 1201Q, 1202Q; PHYS 1401Q, 1402Q; PHYS 1501Q, 1502Q; PHYS 1601Q, 1602Q

American Studies

The American Studies Program at the University of Connecticut provides students with the opportunity to gain a critical understanding of the American experience while allowing individual students to define what aspects of that experience they would like to explore. Although our required courses focus largely on the United States, the field is now understood as comprising the study of issues and subjects from throughout the Western Hemisphere. Among the goals of the American Studies curriculum is to promote an awareness of complex cultural, political, and economic structures at the root of the social organizations that have existed throughout the history of what has come to be known as the "New World." Other areas of concentration may include, for example, the ways in which literary, musical, and visual artists have articulated cultural concerns, our changing understandings of the geography and ecology of the Western Hemisphere, or issues of cultural and ethnic diversity.

Prerequisite: 1000-level "Introduction to American Studies"

Core Courses: 15 Credits (One course from I, II, III, IV, and V below.)

I. One course from the following: HIST 3502, 3504, 3516, 3561, 3562, 3563, 3564.

II. ENGL 2201 *or* 2203

III. POLS 2607 *or* 3602 *or* 3802 *or* 3817 *or* ECON 2102

IV. One 2000-level or above course that deals with Latin America, Canada, or the Caribbean.

V. AMST/ENGL 3265W

Track Requirement: 9 Credits

Students must choose a "Track" from the four American Studies tracks. They must take three 2000-level or above courses from within this track.

Track I – History, Culture, and Society: ANTH 3026, 3027, 3041, 3152, 3504, 3902, 3903, 3904; HDFS 2001, 3240, 3442; HIST 3502, 3504, 3520, 3522, 3530, 3541, 3554, 3555, 3561, 3562, 3563, 3564, 3570, 3660W; NRME 2315; PHIL 3228; SOCI 3221, 3501, 3511, 3601, 3651, 3825; WS 3264, 3266, 3267, 3268

Track II – Literature and the Arts: ARTH 3440, 3450, 3715; DRAM 3131, 4151; ENGL 2201, 2203, 3210, 3212, 3214, 3216W, 3218, 3801W, 3803W

Track III – Political Science, Economics, and the Law: BLAW 3175; COMM 3400; ECON 2102, 3468; HDFS 3530; HIST 3516, 3550, 3551, 3555; JOUR 3020; NRME 3245; PHIL 2245, 3226; PHRM 4007; POLS 2607, 2622, 3032, 3414, 3432, 3437, 3442, 3447, 3602, 3627, 3642, 3802, 3812, 3817, 3827, 3842, 3847; SOCI 3841

Track IV – The Americas: ANTH 3021, 3022, 3029, 3042; ARTH 3630, 3645; FREN 3273; GEOG 4710; HIST 3607, 3608W, 3609, 3610, 3620, 3635, 3640, 3643; LAMS 3575, 3579, 4994W; POLS 3235; SPAN 3201, 3204, 3233, 3234, 3260, 3265, 3266

A number of these courses are cross-listed in the catalog, but in most cases they appear on this list only once. Many are offered as "W" courses, and some may have departmental prerequisites.

Other courses, such as "Special Topics" courses, may be used to fulfill American Studies requirements with the approval of the Director of American Studies. (If possible, students should seek such permission before taking the course.) All courses must be taken for three credits.

The Core Courses may not be used to fulfill the 9-credit track requirement. A second core course from the same group, however, may be so used.

Seminar in American Studies: 3 Credits (W). This seminar will provide an in-depth study of a historical period, event, or cultural movement from an interdisciplinary perspective. Students will produce a substantial essay on a topic approved by the instructor.

AMST/ENGL 3265W satisfies the Information Literacy Competency and Writing in the Major requirements.

Related Courses: 12 Credits

Students will take four related courses. The approval of these courses as germane to the American Studies major will be left to the discretion of the advisor.

A minor in American Studies is described in the "Minors" section.

Anthropology

Anthropology studies human beings of all times and places. It examines human biological, cultural and social similarities and differences, and tries to explain them. Because of its broad perspective – which stresses writing, critical thinking, and social analysis – anthropology provides an excellent preparation for a variety of professional and business careers. Anthropology can also be an integral part of the training for life that is the goal of the University's liberal arts program.

All must take the following major courses:

A. ANTH 1000 or 1006

B. ANTH 2000, 2501, 2502, and 3002

C. At least one course in an ethnographic area (ANTH 3021, 3022, 3023, 3025, 3026, 3027, 3028, 3029, 3030, 3038, 3041, 3042).

D. At least three additional anthropology courses at the 2000 to 4000-level, two of which may not be ethnographic area courses. We strongly recommend that majors take ANTH 4001W in the senior year, if possible.

To satisfy the writing in the major competency, all majors must pass at least one 2000 to 4000-level ANTH W course approved for the major.

To fulfill the information literacy requirement, all majors must pass one of: ANTH 3003, 3004, 3200 or 3506W.

Related courses must be approved by the major advisor.

Minors in Anthropology and Native American Studies are described in the "Minors" section.

Biology

The biological sciences are organized into three departments: the Department of Ecology and Evolutionary Biology (EEB), the Department of Molecular and Cell Biology (MCB), and the Department of Physiology and Neurobiology (PNB). Introductory level courses are listed under General Biology (BIOL). Other courses are listed separately under individual departments.

The Bachelor of Science degree is generally recommended for students planning a scientific career in biology, but the Bachelor of Arts degree in Biological Sciences allows a richer liberal arts program and provides good preparation for many careers, including subsequent graduate study.

Credit restriction: In no case may students receive more than 12 credits for courses in biology at the 1000-level.

Biological Sciences Major

The requirements for the major in Biological Sciences are designed to ensure a sound and broad background in biology, with opportunities to explore related fields. Biological Sciences majors should take BIOL 1107 and 1108, but majors interested primarily in botany may wish to take BIOL 1110 in addition or may substitute BIOL 1110 for BIOL 1108. Students wishing to complete this major must take at least 24 credits of 2000-level courses from EEB, MCB, and PNB. It is strongly recommended that at least four courses include laboratory or field

work. In addition to laboratory work associated directly with courses, an Independent Study course in any of the three biology departments will provide majors with a means of gaining specific research experience. Courses chosen for the major must include at least one course or course sequence from each of the following three groups:

- A. MCB 2000, 2210, 2410, 2413, 2610, or 3010
- B. EEB 2244/W or 2245/W.
- C. PNB 2250, or 2274-2275. (Note: PNB 2274-2275 must be taken in sequence to be counted towards the Biology major.)

To satisfy the writing in the major and information literacy competency requirements, all students must pass at least one of the following courses: EEB 2244W, 2245W, 3209W, 3220W, 4230W, 4243W, 4251W, 4253W, 4276W, 4896W, 5335W; MCB 3640W, 3841W, 4026W, 4997W; PNB 3263WQ, 4296W; or any W course approved for this major.

A minor in Biological Sciences is described in the “Minors” section.

Majors are also offered in Ecology and Evolutionary Biology, Molecular and Cell Biology, Physiology and Neurobiology, and Structural Biology and Biophysics. These majors are described in separate sections in the *Catalog*.

Chemistry

Programs in the Department of Chemistry may lead to either the Bachelor of Arts or the Bachelor of Science degree. The American Chemical Society certifies a rigorous professional program which is an option for the B.S. students.

The B.A. degree is appropriate for students who are interested in chemistry but do not wish to pursue a career as a laboratory scientist. The B.S. degree prepares students to pursue graduate study in Chemistry or to find employment in technologically oriented industries.

Prospective majors with a good high school chemistry background should take CHEM 1137Q and 1138Q in their first year. Other prospective majors should take 1127Q-1128Q or 1124Q-1125Q-1126Q or 1147Q-1148Q (Honors).

Chemistry majors must complete the following mathematics and physics sequences:

- MATH 1131Q and 1132Q (or MATH 1120Q, 1121Q, and 1132Q)
- MATH 2110Q (or 2130Q)
- MATH 2410Q (or 2420Q)
- PHYS 1201Q-1202Q, and 1230 (or 1401Q-1402Q)

Failure to complete these sequences by the end of the fourth semester may delay completion of the degree.

A minor in Chemistry is described in the “Minors” section.

Field of concentration requirements for the B.A. and B.S. degrees are as follows:

Bachelor of Science

At least 35 credits of Chemistry courses numbered 2000 and above must be successfully completed for the Bachelor of Science in Chemistry in addition to the College requirements. The field of concentration requirements include CHEM 2443, 2444, 2445, (Organic), 3210, 3214, 3215 (Inorganic), 3332, 3334 (Analytical), and 3563, 3564, 3565W (Physical).

Bachelor of Arts

At least 28 credits of Chemistry courses numbered 2000 or above must be successfully completed for the Bachelor of Arts in Chemistry in addition to the College requirements. The field of concentration requirements include those listed above for the B.S. degree with the exception of CHEM 3215 and 3334.

For the degree certified by the American Chemical Society, two courses designated by the department as advanced courses must be taken in addition to the B.S. requirements. Also, these or other courses beyond the core curriculum must include at least 80 contact hours of laboratory work. The grade point average in all of the required chemistry courses must be at least 2.300.

Undergraduate students are encouraged to participate in research.

To satisfy the computer technology competency, all students must take CHEM 3565W. Other courses that will further enhance competency in computer technology include 3215, 3332, 3334, and 3564.

To satisfy the information literacy competency, all students must take CHEM 3565W. Other courses that further enhance competency in information literacy include 3170W, 3189, 3215, 3334, 3442W, and 4196W.

To satisfy the writing in the major requirement, all students must take CHEM 3565W. Other courses that will further help students develop writing skills in chemistry include 3170W, 3442W, and 4196W.

Cognitive Science

Cognitive Science is the study of how intelligent beings (including people, animals, and machines) perceive, act, know, and think. It explores the process and content of thought as observed in individuals, distributed through communities, manifested in the structure and meaning of language, modeled by algorithms, and contemplated by philosophies of mind. Its models are formulated using concepts drawn from many disciplines, including psychology, linguistics, logic, computer science, anthropology, and philosophy, and they are tested using evidence from psychological experiments, clinical studies, field studies, computer simulations, and neurophysiological observation.

This program is intended to prepare students for graduate training in cognitive science and related disciplines or to work in the information sciences. The distribution requirements ensure that students will acquire a truly interdisciplinary education. The research and formal systems requirements provide basic knowledge concerning the experimental and theoretical foundations of cognitive science. Finally, majors are encouraged to learn about theory building and testing in a variety of natural and physical sciences. One way to achieve this is to fulfill the requirements of the Bachelor of Science degree.

General Requirements

The requirements for the cognitive science major include 39 2000-level credits, no more than 21 of which may be taken in any one department. There are several 1000-level courses that are required preparation for the 2000-level requirements. These courses should be taken during the first four semesters and may fulfill general education requirements.

Core Courses (15 credits)

COGS 2201 and four of the following courses: ANTH 3002; CSE 4705; LING 2020; PHIL 3250; PSYC 2501

Research Courses (6 credits)

Statistics (one of the following for at least 3 credits): PSYC 2100Q; STAT 2215Q, 3025Q (Calculus level)

Research Methods (one of the following for at least 3 credits): ANTH 3004 (if elected for 3 credits); LING 3110; PSYC 3251/W, 3450W, 3550W, 3551W, 3552

Formal Systems Courses (3 credits)

CSE 2500, 3500^b, 3502^{a,b}, 3802; LING 3310Q^b, 3510Q^b; MATH 2210Q, 2410Q, 3160, 3210, 3230, 3270^{a,b}, 3412; PHIL 2211Q, 3214

Advanced courses (12 credits)

Must include courses from at least 3 departments. Can include core courses not needed to satisfy the core course requirement.

ANTH 3250, CDIS 3202/3202W^a, 4244/4244W, 4253; CSE 3500^{a,b}, 3502^b, 4095; LING 3310Q^b, 3510Q^b, 3610W; MATH 3270^{a,b}; PHIL 2210, 2212/W^a, 3241, 3247/3247W, 3249/3249W, 3256/3256W; PNB 3251; PSYC 2200, 2400, 2500, 3100/3100W, 3470^a, 3500, 3501, 3502, 3503; SCI 2400^a

Electives (3-6 credits)

One or two^b additional courses (from above lists or other related courses from any department), chosen with the approval of the advisors.

^a Due to content overlap, no more than one of each of the following pairs may be counted toward the major: (i) CDIS 3202/3202W and PSYC 3470; (ii) PHIL 2212/W and SCI 2400; (iii) CSE 3502 and MATH 3270.

^b The following courses may be used to fulfill both the Formal Systems and Advanced Courses requirements: CSE 3500, 3502; LING 3310Q, 3510Q; and MATH 3270. In this event, two electives are required.

Competency and Writing Requirements

The exit requirements for computer technology and information literacy will be met by satisfaction of the Research Methods Requirement. The exit requirements for writing in the major can be met by taking one of the following courses: CDIS 3202W, 4244W; LING 3610W; PHIL 2212W, 3247W, 3249W, 3256W; PSYC 2100WQ, 3100W, 3251W, 3450W, 3550W.

Students in the program will have an advisor and an associate advisor, each in different departments contributing to the cognitive science program. Students will consult with both of them to plan a course of study.

For further information, contact Professor Letty Naigles, Director of Undergraduate Studies in Cognitive Science, 141 Bousfield Psychology Building.

Communication Sciences

The Department of Communication Sciences is concerned with the human communication process and its analysis. Undergraduate students may major in Communication Sciences with a concentration in either Communication or Communication Disorders. The Department offers the following graduate degrees in the field of Communication Sciences: the M.A. with concentrations in Speech, Language and Hearing, and in Communication, and the Ph.D. with concentrations in Speech, Language and Hearing, and in Communication and Marketing Communication and the Doctor of Audiology, Au.D. degree.

Communication Disorders. The undergraduate concentration is a preprofessional program within the liberal arts curriculum. It permits the student to apply for graduate studies in one of two specialty areas: audiology or speech-language pathology.

Following requirements of the American Speech, Language, and Hearing Association, students must take one course in each of the following areas:

Mathematics/statistics: MATH 1040Q or MATH 1060Q or STAT 1100Q

Biological science: BIOL 1102 or BIOL 1103 or BIOL 1107/1108

Physical science: PHYS 1010Q or PHYS 1075Q

More advanced level courses may be substituted for the courses listed above.

Students who elect the concentration in Communication Disorders must take: CDIS 3201, 3202 or 3202W, 3247, 3248, 3250, 4242, and 4249 or 4249W

In addition, students must take at least two (2) of the following courses: CDIS 4244 or 4244W, 4251 or 4253.

The information literacy competency is met by the successful completion of required courses.

To satisfy the writing in the major requirement, students must pass at least one course from CDIS 3202W, 4244W, or 4249W.

The Master's degree programs in Speech and Language and the Au.D. degree in Audiology are accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association. The University of Connecticut Speech and Hearing Clinic complies with the quality indicators for professional service programs in audiology and speech-language pathology issued by the American Speech-Language-Hearing Association.

Communication. The undergraduate concentration in Communication is designed to produce students capable of analyzing human communication behavior from a scientific standpoint. It concentrates on the empirical investigation of human communication, stressing developments in communication theory and research. The concentration emphasizes interpersonal, mass, new communication technologies, nonverbal, organizational and intercultural and international communication. Students who elect to take the Communication concentration must pass:

COMM 1000, 1100, 3000Q,

In addition, students must pass at least two (2) of the following Core courses: COMM 3100, 3200, 3300

Students must pass at least five (5) more 2000-level or above courses in Communication. No more than two of the five can be applied courses: COMM 4800, 4820, 4940, 4991, and 4992. Three of the five must be theory courses, which are all other COMM courses numbered 2000 or above. As long as students have met the above requirements, they may also pass additional applied courses. We strongly recommend that everyone take at least one internship (COMM 4991).

To satisfy the information literacy competency, all students must pass COMM 1000, 1100, and 3000Q. Other courses that will further enhance competency in information literacy include COMM 1300, 3100, 3103, 3200, 3300, 3321, 3400, 3450, 3600, 4089, 4100, 4120, 4220W, 4230, 4320, 4330, 4410W, 4420, 4450W, 4451W, 4460, 4500, 4551W, and 4620. To satisfy the writing in the major requirement, students must pass at least one course from COMM 2310W, 4220W, 4410W, 4450W, 4451W, 4551W, 4930W, 4996W, or any 2000-level or above W

course approved for this major. For students interested in media and public relations careers, journalism courses are recommended for additional writing competency.

Students must apply to the department to become a Communication Sciences major with a concentration in Communication. The deadline for applications during a semester is the end of the second week of classes. Applications are accepted for Fall and Spring semesters. Students typically apply Spring semester of their Sophomore year. Forms can be obtained outside Room 223 PCSB, on the department website, and from Communication faculty members at the Stamford Regional Campus.

The decision to admit will depend on several criteria:

- Successful completion of at least 54 credits, or successful completion of 40 credits plus current enrollment that should result in at least 54 credits by the end of the current semester.
- Cumulative GPA, and
- Successful completion of COMM 1000.

The applicant's academic record and space availability will also be considered.

We recommend that students interested in the Communication concentration complete COMM 1100 and COMM 1300 before junior year, if possible. COMM 1300 is a prerequisite for many 2000-level or above media courses, and is advised for all students interested in media production, communication technology, marketing, public relations, or advertising.

Prior to acceptance into the Communication Sciences major, students may designate themselves as Pre-Communication by notifying their advisor. The PRECOM designation, however, will only indicate an intention to apply and will not insure acceptance into the concentration. PRECOM majors must still apply to become Communication Sciences majors with a Communication concentration at the appropriate time. PRECOM majors are given priority in registering for 1000-level Communication courses.

A minor in Communication is described in the "Minors" section.

Ecology and Evolutionary Biology

Students majoring in Ecology and Evolutionary Biology may opt for either a Bachelor of Arts degree or Bachelor of Science degree. Both B.A. and B.S. degree candidates must complete the following courses in addition to the general CLAS requirements for these degrees:

BIOL1107, and BIOL 1108 or 1110

CHEM 1127Q and 1128Q or CHEM 1124Q, 1125Q, and 1126Q

Requirements for the EEB Major (B.S. or B.A.)

- I. Both of the following core courses: EEB 2244 or 2244W and EEB 2245 or 2245W
- II. At least one of the following animal diversity courses: EEB 2214, 3254, 3265, 3273, 4200, 4250, 4252, 4274, 4275, or 4260 and 4261
- III. At least one of the following plant diversity courses: EEB 2227, 3203, 3204, 3220/W, 3240, 3250, 3271, 4272
- IV. A course in physiology - EEB 4215 (students who take PNB 2250 as a related course are not required to take EEB 4215).
- V. It is recommended that students take at least four EEB courses that require extensive laboratory or field work.
- VI. Students are encouraged to complete a course in statistics.
- VII. At least 24 credits of EEB courses at the 2000-level or above, which may include courses in I - IV above.
- VIII. Related Course Requirements: At least 12 credits of 2000-level or above science courses outside EEB, which must include either MCB 2410 or 2413. One semester of organic chemistry is recommended.
- IX. To satisfy the Writing in the Major and Information Literacy competency requirements, all students must pass at least one of the following courses: EEB 2244W, 2245W, 3209W, 3220W, 4230W, 4243W, 4251W, 4253W, 4276W, 4896W, 5335W

A minor in Ecology and Evolutionary Biology is offered. A minor in Bioinformatics is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. Both programs are described in the "Minors" section of this *Catalog*.

Economics

A student majoring in economics should acquire a thorough grounding in basic principles and methods of analysis, plus a working competence in several of the specialized and applied fields. Examples of such fields are industrial organization, law and economics, money and banking, international trade and finance, public finance, comparative economic systems, labor economics, health economics, urban and regional economics, and economic development.

Economics majors must earn twenty-four credits in courses at the 2000 level or above, including two intermediate theory courses (ECON 2201 and 2202), plus at least nine credits in either quantitative skills courses (ECON 2301-2328) and/or courses at the 3000-level or above. No more than 6 credits in ECON 3499 may be counted toward the required 24 credits in economics courses at the 2000-level or above.

Economics majors are also required to pass twelve credits in 2000-level or above courses in fields related to economics or to fulfill a minor related to economics. In addition, all Economics majors must take STAT 1000Q or 1100Q and one of the following: MATH 1071Q, 1110Q, 1121Q, 1131Q, or 1151Q. MATH 1131Q and STAT 1100Q are preferred. Students may substitute more advanced MATH and STAT courses with consent of the faculty advisor.

The intermediate theory courses (ECON 2201 and 2202) should be taken early in the student's major program. Recommended courses for economics majors include ECON 2311 and ENGL 3003W. The department has special requirements for economic majors in the University Honors Program and for majors who qualify for the department's Economics Scholars and Quantitative Certificate Programs.

Course work in economics serves a wide variety of vocational objectives. An economics major (supplemented by a rigorous calculus and statistics course sequence) is excellent preparation for graduate work in economics, which qualifies a person for academic, business, or government employment. Majors and others with strong economics training are attractive prospects for business firms and government agencies, and for professional graduate study in business or public policy. An economics background is especially desirable for the study and practice of law.

Economics majors satisfy the computer technology competency by passing either STAT 1000Q or 1100Q in addition to meeting the University-wide computer entrance expectations.

Economics majors satisfy the information literacy competency by passing at least one W course in Economics. Students may gain enhanced competence in information literacy by taking ECON 2311, 2312W, or 2327.

Economics majors satisfy the writing in the major requirement by passing at least one W course in Economics.

A minor in Economics is described in the "Minors" section.

English

To satisfy the English major, the student must present for the degree thirty credits of English courses numbered 2000 or above and including the following:

A. Introduction to Literary Studies (3 credits) ENGL 2600. This course should be taken within a semester of declaring the major or at its next offering.

B. Literary History (9 credits): One course from group 1, one course from group 2, and a third course from group 1, 2, or 3:

1) Survey and period courses before 1800: 2100, 3111, 3113, 3115, 3805W, 3807W.

2) Survey and period courses after 1800: 2101, 2201, 2203, 2301, 3119, 3177/W, 3801W, 3803W, 3809W, 3811W.

3) Multi-period, multicultural, and ethnic literature courses: 3120, 3122, 3210, 3212, 3214, 3216W, 3218, 3605, 3607.

C. Methods (6 credits). One course from group 1 and a second course from group 1 or 2:

1) 2401, 2405, 2407, 3240, 3265W, 3318, 3403, 3406, 3409, 3420, 3422, 3601, 3603, 3609, 3613, 3617, 3619, 3621, 3623, 3625, 3650, 3651.

2) 3003W, 3003WC, 3701, 3703, 3705, 3707, 3709.

D. Major Author (3 credits). One course from the following: 3501, 3503, 3505, 3507, 3509.

E. Advanced Study (3 credits). One from the following: 4101W, 4201W, 4203W, 4301W, 4302W, 4401W, 4405W, 4407W, 4600W, 4601W, 4613W, 4965W. These courses also satisfy the departmental requirements for Writing in the Major and Information Literacy.

F. Additional courses (6 credits). In addition to courses used to satisfy requirements A-E above, six credits must be chosen from English courses numbered 2000 or above. Course numbers used to satisfy requirements A-E may be used toward satisfaction of requirement F only when they designate a second or third section of a course repeated for credit with a change of topic.

Distribution Requirements:

1) At least two courses must concern literature written before 1800. Courses satisfying this requirement are 2100, 3111, 3113, 3115, 3301, 3495, 3501, 3503, 3505, 3507, 3805W, 3807W, 4965W.

2) At least one course must concern ethnic or postcolonial literatures in English. Courses satisfying this requirement are 2301, 3120, 3122, 3210, 3212, 3214, 3216W, 3218, 3318, 3605, 3607, 4203W, 4301W, 4302W.

3) No more than three credits from the following courses may count toward the English major: 3003W, 3003WC, 3011C, 3011W, 3091, 3692, 3701, 3703, 3705, 3707, 3709.

A minor in English is described in the "Minors" section.

Concentration in Irish Literature. English majors may choose to pursue a concentration in Irish Literature. Within the requirements for all English majors, these students will select four courses in Irish literature approved by their advisors in Irish literature and by the Irish Literature Coordinator.

Study Abroad in London: The Department of English sponsors programs in London occurring on an as-offered basis. These include the UConn Summer in London program and ENGL 3193, a spring course that includes a trip to London during the winter break.

Environmental Science

The major in Environmental Science is based in the physical and biological sciences, but also includes course work in selected areas of the social sciences. The major leads to a Bachelor of Science degree, and may be adopted by students in either the College of Agriculture and Natural Resources or the College of Liberal Arts and Sciences. This curriculum offers a comprehensive approach to the study of environmental problems, including not only a rigorous scientific background, but also detailed analyses of the social and economic implications of environmental issues. The complexity and interdisciplinary nature of environmental science is reflected in the core requirements of the major. These courses, assembled from several different academic departments representing two colleges, provide both breadth and depth, preparing students for careers that deal with environmental issues, and for graduate study in environmental science and related fields.

A. Required courses in Basic Science: ARE 1150; BIOL 1107, 1108 or BIOL 1107, 1110; CHEM 1124Q, 1125Q, 1126Q or CHEM 1127Q, 1128Q; MATH 1120Q, 1121Q, 1122Q or 1131Q, 1132Q; PHYS 1201Q, 1202Q, 1230 or 1401Q, 1402Q; STAT 1000Q or 1100Q or 3025Q.

B. Required Courses in Introductory Environmental Science: Select any two from GEOG 2300, GEOL 1050, MARN 1002, NRME 1000.

C. Required Courses in 2000-level or above Environmental Science: AH 3175, EEB 2244 or 2244W, GEOL 3020, MARN 3000, NRME 3145

D. Capstone course: GEOG 3320W

E. General Education competency requirements: Completion of GEOG 3320W will satisfy the writing in the major and information literacy competency requirements. Completion of BIOL 1108 and EEB 2244 will satisfy the Computer Literacy requirement.

F. Concentration requirements. All students majoring in Environmental Science must also fulfill the requirements of a concentration in a discipline associated with the program before graduation. Approved concentrations are listed below.

Environmental Biology - Students must complete: EEB 2245 or 2245W; EEB 3307 or 4230W; and at least one course from each of the following groups:

Group I -- Ecological Systems and Processes: EEB 2208, 3230, 4215, 4247, 5301, 5302, 5310

Group II -- Plant Diversity: EEB 3203, 3204, 3220/W, 3240, 3250, 3256, 3271, 4272, 4276,

Group III -- Animal Diversity: EEB 2214, 3254, 3265, 3273, 4200, 4250, 4252, 4274, 4275, or 4260 and 4261

Environmental Chemistry - Students must complete at least 15 credits including CHEM 2443, 2444, 2445 or 2446, and 3332, with remaining credits from CHEM 3210; CHEM 3334; MATH 2110Q and CHEM 3563; or CHEM 5370

Environmental Geography - Students must complete: GEOG 3510 or 4500; and at least four of: GEOG 3300/W, 3310, 3410, 3500Q, 4300, 4510

Environmental Geoscience - Students must complete at least five of: GEOL 3010, 3030, 3040, 3510, 3710, 4735

Marine Science - Students must complete five courses (fifteen credits) from the following list with at least one course from each group.

Group A: MARN 3014, 3015, 3016, 3017, 4010

Group B: MARN 3003Q, 3030, 4030W, 4050W

Group C: MARN 3060, 3061, 4060

Environmental Science also offers the following concentrations through the College of Agriculture and Natural Resources: Environmental Health, Natural Resources, Resource Economics, Soil Science. For the complete requirements, refer to the Environmental Science description in the "College of Agriculture and Natural Resources" section of this *Catalog*.

Geography

Geography is a multidimensional discipline that analyzes the interactions between people and their environments. Our geographers teach courses and engage in research on a wide range of relevant and timely topics such as urban sprawl, the nature and impact of migration, globalization of the economy and international trade, the spatial prevalence of disease, regional development, global climatic change, environmental degradation and restoration, watershed and landscape change, and the analysis and display of spatial data using geographic information systems (GIS) technology.

For students whose goals are the bachelor's degree, coursework in geography enables graduates to find employment in the private and public sectors while providing both the regional and global perspective required of informed citizens. Our students have gone on to work as urban and regional planners, marketing specialists, environmental program managers, geographic information systems specialists, location analysts, and transportation planners. Students with a B.A. degree in geography are also prepared to move on to graduate school to pursue M.A. and Ph.D. degrees which enables them to teach at the college level or to secure higher ranking positions in the public and private sectors.

Requirements for the Major. The geography major requires 24 credits in 2000-level or above geography courses and 12 credits of related course work in other departments. Majors complete a basic core of 3 courses: GEOG 2100, 2300, and one methods course (choice of GEOG 2510, 3300, 3500Q, 3510, 4500), and 15 additional credits, including at least one "W" course in geography numbered 3300W or higher in consultation with their departmental advisor.

The writing in the major requirement for Geography can be met by passing any of the following geography courses: GEOG 3320W, 3330W, 4110W, or 4200W.

The information literacy requirement in Geography can be met by passing any of the following geography courses GEOG 3320W, 3330W, 4110W, or 4200W.

The computer technology exit requirement in Geography can be met by passing one of the following courses: GEOG 2510, 3300, 3500Q, 3510, or 4500.

A minor in Geographic Information Science is described in the "Minors" section.

Geology and Geophysics

Geology integrates biology, chemistry and physics in the study of the Earth's history and composition as recorded by rocks, fossils, and landscapes. Geophysics uses the methods of mathematical physics to investigate the Earth's interior through the analysis of earthquake energy and measurement of electromagnetic, gravitational, and thermal fields. Together, geology and geophysics provide the tools needed for the exploration for mineral and energy resources, for the monitoring and remediation of environmental contaminants in soil, sediment, and groundwater and for the study of earthquakes, volcanic eruptions, floods and other natural phenomena that pose a hazard to human life.

The challenge of geology and geophysics is to understand our planet and its history, and to use that knowledge to forecast its future in an era of global change.

The Geology and Geophysics Program is administered by the Center for Integrative Geosciences. Students interested in geosciences may pursue a course of studies with a foundation in geology and geophysics through the Individualized Major program. Faculty associated with the Center (located in Beach Hall) are available to provide information and for advising. For further information and application forms, contact the Individualized Major Program Director at (860) 486-3631.

A minor in Geology and Geophysics is described in the "Minors" section.

History

The study of history aims at the understanding and disciplined reconstruction of past human activities, institutions, ideas, and aspirations in the light of present knowledge and in the hope of usefulness for the future. History belongs both to the humanities and to the social sciences. It is studied both for its own sake and for the light it throws on the present problems and future prospects of particular societies and of humankind in general.

A major in history in combination with work in foreign languages, philosophy, literature, and the social sciences provides a broad foundation for informed citizenship. History majors find employment in many fields of human endeavor from arts and business to public service and education. Specialization in history is especially valuable as pre-professional training for law, government, diplomacy, and journalism and for library, archival, and museum administration.

Requirements for the Major in History: Undergraduate majors are required to take at least 27 credits at 2000-level or above, which must include one three-credit course from each of Groups A, B, and C, and two three-credit courses from Group D. All majors must take HIST 2100 in the semester following their declaration as majors, and all majors except Honors students must take HIST 4994W in their senior year. Honors students should take in sequence 4994W and 4997W or 4997W and 4999. With the consent of the undergraduate major's advisor, graduate level courses may be used to fulfill the distribution requirement. HIST 2100 and 4994W satisfy the information literacy competency. HIST 4994W or 4997W satisfy the writing in the major requirements.

Group A - Ancient, Medieval, and Early Modern: HIST 3300 (ANTH 3513), 3301 (CAMS 3253), 3320 (CAMS 3254), 3325 (CAMS 3255), 3330 (CAMS 3256, HEB 3218, JUDES 3218), 3335 (CAMS 3250), 3340 (CAMS 3243), 3350, 3360, 3361, 3370, 3371, 3400, 3401, 3420, 3450, 3460, 3470

Group B - Modern Europe: HIST 2206 (SCI 2206), 2240, 2401, 2402, 3201 (HRTS 3201), 3203 (HDFS 3423), 3205, 3412, 3413, 3416 (WS 3416), 3418 (HEB 3203, JUDES 3203), 3421, 3426, 3430, 3440, 3451, 3456, 3463, 3471.

Group C - United States: HIST 2206 (SCI 2206), 3201 (HRTS 3201), 3204W, 3206, 3502, 3504, 3510, 3516, 3520, 3522, 3530 (AASI 3578), 3531 (AASI 3531), 3541 (URBN 3541), 3544, 3550, 3551, 3554, 3555, 3556W, 3561 (WS 3561), 3562 (WS 3562), 3563 (AFAM 3563, HRTS 3563), 3564 (AFAM 3564), 3568 (AFAM 3568), 3570, 3575 (PRLS 3221, HRTS 3221), 3660W (LAMS 3660W), 3674 (PRLS 3220). Either HIST 3520 or 3522, but not both, may be counted for credit toward the major.

Group D - Africa, Asia, Latin America, and Middle East: HIST 3201 (HRTS 3201), 3202 (HRTS 3202), 3206, 3422, 3607, 3608W, 3609, 3610, 3620 (AFAM 3620), 3635, 3640, 3643, 3660W (LAMS 3660W), 3674 (PRLS 3220), 3704, 3705, 3712, 3752 (AFAM 3752), 3753 (AFAM 3753), 3770 (AFAM 3224), 3808 (AASI 3808), 3809 (AASI 3809), 3812 (AASI 3812), 3822, 3863.

Variable Topics Courses (HIST 3100W, 3101W, 3991, 3993, 3995, 3998, 4989, 4994W, 4997W, 4999, or a graduate level History course) may be applied to any of the four distribution groups as determined by course content and with Advisor consent. No more than six credits of HIST 3991 will count toward the major requirements.

A minor in History is described in the "Minors" section.

Human Development and Family Studies

Students in the Human Development and Family Studies Major must complete the following requirements: HDFS 1070; PSYC 1100, 1103 (or 1101); SOCI 1001; and STAT 1000Q or STAT 1100Q (Note: These courses may also fulfill University General Education requirements.) Students must meet the computer technology, information literacy, and writing competency requirements through satisfactory completion of HDFS 2004W and either HDFS 4007W or HDFS 4087W.

The major in Human Development and Family Studies requires 46 credits at the 2000-level or above including 34 credits in Human Development and Family Studies and 12 credits in courses related to but outside the major department. A student completing requirements for a major must have a grade point average of 2.0 or better in the credits that count toward the major in Human Development and Family Studies. Students are allowed much flexibility in tailoring their major to meet their particular interests and educational goals. Most students choose to focus their work in one or more of the following concentrations:

Early Childhood Development and Education
Childhood and Adolescence
Family Relationships: Services and Counseling
Family in Society: Social Policy and Planning
Adult Development and Aging

This major must include all of the following required courses: HDFS 2001, 2004W, 2100, 2200, 2300 and either 4007W or 4087W.

This major must include the completion of one of the following courses: HDFS 3510, 3520, 3530, 3540, 3550.

This major also must include at least 12 credits from the following courses. HDFS 3083, 3087, 3092, 3098, 3101, 3102, 3103, 3120, 3122, 3123, 3125, 3126, 3130, 3240, 3249, 3252, 3260, 3261, 3268, 3277, 3310, 3311, 3319, 3340, 3342, 3420, 3421, 3422, 3423, 3430, 3431, 3432, 3442, 3510, 3520, 3530, 3540, 3550, 4004, 4087W, 4097. These 12 credits may include elections from among the five courses listed above (HDFS 3510, 3520, 3530, 3540, 3550), if not applied to satisfaction of the foregoing requirement.

Minors

A minor in Gerontology is administered under the auspices of the Center on Aging and Human Development. Please refer to its description in the "Minors" section of this *Catalog*.

Honors Program

The Human Development and Family Studies Honors Program offers motivated students a way of enhancing their studies while providing distinction to their academic records through more in-depth study and the opportunity for independent projects or research. Human Development and Family Studies majors with an overall GPA of 3.2 or higher and a GPA in the major of 3.5 or higher are eligible to apply to the Honors Program in Human Development and Family Studies. Students should apply as early as possible, and applications will not be accepted after the first semester of a student's junior year. Honors Scholars who complete the required honors course work and an approved honors thesis project, as well as maintain the required GPA, will graduate with a degree with Honors. For more information on this program, contact the Human Development and Family Studies Honors Advisor.

Individualized Major

Students with a grade point average of 2.0 or higher may apply for an individualized major. An individualized major requires a field of concentration of at least 36 credits numbered 2000 or higher. The 36 credits may come from two or more departments in the University. At least 18 credits shall come from departments of this College. The student may include no more than 6 credits of independent study nor more than 12 credits of field work. To graduate, students must earn a grade point average of 2.5 or better in the 36 concentration credits.

Students may submit proposals for admission to the individualized major once they achieve third semester status and may be admitted after completing three semesters of work (45 credits). The latest they may submit proposals is prior to beginning their final 30 credits of study. The proposed field of concentration must show coherence of subject matter or principle and have academic merit. Internship, field work, research, or study abroad is recommended as part of the proposed plan of study. For further information and application forms, see the Program website at: <http://www.iisp.uconn.edu/> or contact the Individualized and Interdisciplinary Studies Program at (860) 486-3631.

All students with approved individualized major plans of study must complete a capstone course as part of their concentration credits: they must register for INTD 4600W (INTD 4697W for honors and other students writing a thesis) during their last academic year. (Double majors and additional degree students may meet the capstone course requirement by substitution if they register for a capstone course or thesis in the final year of their other major.)

Writing in the major requirement: All students must nominate one other course numbered 2000 or higher in which they will write in a relevant academic discipline

(where feasible, this course should be a W course) and, in addition, take INTD 4600W (or INTD 4697W). (Double majors and additional degree students may choose to satisfy the exit level writing in the major competency outside the Individualized Major.)

Information literacy competency: All majors must take INTD 4600W (or INTD 4697W). In addition, all majors must include one research methods or research course in their plans of study. (Double majors and additional degree students may choose to satisfy the information literacy competency outside the Individualized Major.)

Computer technology competency: The University's basic entrance expectations are considered to be adequate for Individualized Majors in general. However, Individualized Majors are required to consider if more advanced computer technology competency is required for their major and, if yes, specify as part of their plan of study how they will achieve it.

Journalism

This department offers professional preparation for students who are planning careers in journalism. It also offers other students the chance to improve their writing, interviewing and research skills and to learn about the news media. Students in writing courses are expected to produce work of professional quality and to publish that work when possible.

Students who major in journalism should also take related courses in history, economics, political science and other liberal arts disciplines as a sound preparation for news reporting. The department strongly urges students to complete a second major. Students also should gain professional experience before graduation, either through part-time jobs, the Co-operative Education Program or the department's internship program. Internships are available at newspapers, radio and television stations, magazines, public relations offices and political press offices.

In addition to satisfying the requirements of the College, majors must complete 24 credits in journalism at the 2000-level or above, including JOUR 2000W, 2001W, 3002, 3020 and 3030. JOUR 1002 is a prerequisite for JOUR 3002.

A journalism education is, by definition, an education in writing and information literacy. A journalism major will fulfill the writing in the major requirement and the information literacy competency by completing the department's core courses (JOUR 2000W, 2001W, 3002, 3020 and 3030).

Students will fulfill the computer technology competency by (a) meeting the university's expectations in computer operation basics, word processing, presentation software, spreadsheets, database basics, graphics and multimedia, Internet basics and electronic communication, and (b) completing Journalism 3030.

Journalism majors are advised to consult with their advisors about additional computer skills that may be helpful to them, based on individual career plans.

Students must apply to the Journalism Department to become majors. They must do so by the end of the third full week of classes in the fall or spring semester. A student who is not accepted initially may reapply in subsequent semesters. Forms can be obtained in the Journalism Department Student Resource Center, Arjona 428.

Students must meet the following two requirements:

- 1) Successful completion of at least 39 credits. (Students who are members in good standing of the University Honors Program may apply after completing 23 credits at UConn.)
- 2) Cumulative GPA of at least 2.8 - or - successful performance on a timed writing exercise administered by the department. Applicants taking the test must show mastery of the fundamental tools of writing, including spelling, grammar and syntax. The applicant's academic record and goals also will be considered.

Latin American Studies

The major in Latin American Studies responds to a need in the New England region and nationally for a deeper understanding of the peoples and cultures of Latin America, its history and contemporary economic, social, and political problems, and its relations with the United States. Completion of the B.A. in Latin American Studies prepares the student to work in government, international organizations, business, journalism and communications, or to pursue graduate studies that lead to careers in research and teaching.

The Center for Latin American and Caribbean Studies administers the undergraduate major in Latin American Studies, a program of study leading to the B.A. degree. The major in Latin American Studies consists of a minimum of 36 credit hours of interdisciplinary course work built around 5 core courses (15 credit hours) as follows:

Core Courses

Anthropology: One course selected from ANTH 3021, 3022, 3029, or 3042.

History: One course selected from HIST 3607, 3608W, or 3609.

Humanities: One course in Latin American literature or art: SPAN 3233, 3234, 3266; ARTH 3610, 3620, or 3630.

Political Science: POLS 3235.

Latin American Studies: LAMS 4994W.

Language Requirement

Successful completion of two of SPAN 3178, 3179, 3240W, or 3241.

Students select the remaining courses (a minimum of 21 credit hours) needed to complete the major in consultation with an advisor, who will assure that the student's program is coherent and comprehensive.

Study Abroad. While study abroad is not mandatory, we strongly urge all Latin American Studies majors and minors to spend at least a semester in Latin America. The University sponsors academic programs in Mexico at the Universidad de las Américas, Puebla, in the Dominican Republic, at the Pontificia Universidad Católica Madre y Maestra, Santiago de los Caballeros, at the University of Costa Rica in San José, Costa Rica, at the Pontificia Universidad Católica de Chile and the Universidad de Chile in Santiago, Chile and at the Universidad de Buenos Aires, Argentina. Students may go for either a semester or a full academic year. The University also sponsors an academic year and a one-semester program in Brazil at the Universidade de São Paulo. For further information, contact the Center for Latin American and Caribbean Studies or the Study Abroad Office.

Information literacy and writing in the major competencies will be satisfied by completion of the core course LAMS 4994W.

A minor in Latin American Studies is described in the "Minors" section.

Linguistics

The Department of Linguistics offers two joint majors, one together with the Department of Philosophy in Linguistics and Philosophy, and the other with the Department of Psychology in Linguistics and Psychology. For either major, a minimum of four courses (twelve credits) at the 2000-level or above from each department is required.

For the **Linguistics and Philosophy** joint major, specifically required courses are LING 3110, LING 3510Q, and PHIL 3241. For this joint major, exit requirements for computer technology and information literacy will be satisfied by passing LING 3110. The exit requirement for writing in the major will be satisfied by passing either LING 3610W or PHIL 3225W.

For the **Linguistics and Psychology** joint major, specifically required linguistics courses are: LING 2010Q and 3110, and at least two out of the other 2000-level or above linguistics courses; and specifically required psychology courses are: PSYC 2100Q and 3500, and at least two out of PSYC 2400, 2500, 2501, 3501, 3550W, and 3552. All students in the Linguistics/Psychology Major are strongly encouraged to take LING 5010/PSYC 5500 in their senior year. A minimum of four courses (12 credits) at the 2000-level or above from each department is required. For this joint major, exit requirements for computer technology and information literacy will be satisfied by passing LING 3110. The exit requirement for writing in the major will be satisfied by passing either LING 3610W or PSYC 3550W.

A minor in Linguistics is described in the "Minors" section.

Other students interested in Linguistics should consider forming their major group from the courses in another field, and using courses in linguistics for their related group, as described under "Field of Concentration," item 1.

Marine Sciences

Bachelor of Science in Coastal Studies:

The B.S. in Coastal Studies requires a foundation of courses including 29 credits of Marine Science courses, and 12 credits of defined social science courses constituting the Related Area. Coastal Studies majors must pass the following courses.

I. 1000-Level: BIOL 1107, 1108; either CHEM 1124Q, 1125Q and 1126Q or CHEM 1127Q, 1128Q; either MATH 1120Q, 1121Q and 1122Q or MATH 1131Q,

1132Q; either PHYS 1201Q, 1202Q and 1230 or PHYS 1401Q, 1402Q; MARN 1002 or 1003

Coastal Studies requires a course in data analysis and interpretation. This requirement may be fulfilled with STAT 1100Q or another course approved by the Department. Students are encouraged to fulfill some of their General Education requirements with the following choices: HIST/SCI 2206; and either ECON 1201 or ARE 1150

II. Coastal Studies B.S. Major Requirements

The following courses constitute the major requirements: MARN 2002, 3001, 3003Q, 3801W, 4001, 4002, and 3 electives. The electives must represent different areas of Marine Sciences. At least one course must be chosen from each of the following groups:

Group 1: MARN 3060, 3061, 4060;

Group 2: MARN 3012, 3013, 3014, 3015, 3016, 3017, 3030;

Group 3: MARN 3016, 3030, 4030W, 4050W.

Note: MARN 3016 and 3030 may be used to fulfill only one requirement, either Group 2 or 3. Students may be able to use MARN 4893, MARN 4895 or other MARN courses towards one or more of these electives with prior approval of the Department Head.

III. Coastal Studies B.S. Related Area

In consultation with their faculty advisor and a social science faculty member, students choose Related Area courses appropriate to their interests. The department maintains a list of courses acceptable for this requirement.

Bachelor of Arts in Coastal Studies: The B.A. in Coastal Studies requires a foundation of courses including 25 credits of Marine Science courses, and 18 credits of defined social science courses constituting the Related Area.

The B.A. plan of study requires students to take additional social science courses. Coastal Studies majors must pass the following courses.

I. 1000-Level: BIOL 1107, 1108; either CHEM 1124Q, 1125Q and 1126Q or 1127Q, 1128Q; either MATH 1060Q and 1110Q, or MATH 1060Q and 1071Q, or MATH 1120Q and 1121Q; either PHYS 1201Q, 1202Q or PHYS 1401Q and 1402Q; MARN 1002 or 1003.

Coastal Studies requires a course in data analysis and interpretation. This requirement may be fulfilled with STAT 1100Q or another approved course. Students are encouraged to fulfill some of their General Education requirements with the following choices: HIST/SCI 2206; and either ECON 1201 or ARE 1150.

II. Coastal Studies B.A. Major Requirements

The following courses constitute the major requirements: MARN 2002, 3001, 3801W, 4001, 4002, and 3 electives. The electives are: MARN 3000, 3003Q, 3012, 3013, 3014, 3015, 3016 or 3030, 3017, 3060, 3061, 3230, 4030W, 4050W, 4060. Students may be able to use MARN 4893, MARN 4895 or other MARN courses towards one or more of these electives with prior approval of the Department Head.

III. Coastal Studies B.A. Related Area

In consultation with their faculty advisor and a social science faculty member, students choose Related Area courses appropriate to their interests. The department maintains a list of acceptable courses.

Competency Requirements (B.S. and B.A. programs)

The University's General Education competency requirements for computer technology and information literacy will be satisfied by completing the major requirements above, in particular MARN 2002, 3001 and 4001 for computer technology, and 3001, 3801W and 4002 for information literacy. The writing in the major requirement will be satisfied by MARN 3801W.

Note: Some Marine Sciences courses may be offered only at the Avery Point campus. Others may be partially available through Distance Learning. Please check the Directory of Courses in this *Catalog*.

Both a minor in Marine Biology and a minor in Oceanography are described in the *Minors* section.

Maritime Studies

Water covers more than two-thirds of the Earth's surface and the majority of the human population lives within 50 miles of navigable waterways. The world's oceans and great riparian systems have provided the dominant medium for human economic and cultural exchange and the context for many of humanity's most dramatic stories, powerful technologies, and aesthetic and literary achievements.

Maritime Studies is an interdisciplinary major that embraces the liberal arts as the foundation for exploring humankind's critical and continually evolving connections with the world's waterways and watersheds. The Maritime Studies Program combines rigorous liberal arts training in recognized humanities and social science disciplines such as history, English, economics, political science and anthropology with specialized courses, interdisciplinary seminars, and research and internship opportunities that focus on issues, traditions, and problems that influence life in maritime regions. A complement to the Marine Sciences Department Coastal Studies Program, Maritime Studies highlights the social and cultural side of the human/water relationship, but recognizes and explores the links between human activities and the composition and the condition of the coastal and marine environments.

Maritime Studies is a flexible but focused major that students may shape to meet a wide range of occupational and educational goals. Depending upon the track of studies selected, Maritime Studies students may prepare for a range of careers including those in the maritime service and heritage tourism sectors as well as for graduate study in maritime and public history, English, journalism, marine policy and cultural resource management, planning and regulation, education, law, or business. The Maritime Studies Program takes advantage of the UConn-Avery Point campus' unique Long Island Sound location and its many coastal and maritime educational resources and research programs including the UConn Sea Grant Institute, the National Undersea Research Center, the Long Island Sound Resource Center, and Marine Sciences Department. Significant internship and research opportunities for students are also available through agreements with regional institutions that include Mystic Seaport, one of the world's premier maritime museums and research centers.

Major Requirements

Core Courses

Students are required to take the following Core Courses:

MAST 1101; MARN 1001; ENGL 3650; ECON 2467; HIST 3544; POLS 3832; MAST 4994W

The writing in the major requirement can be met with MAST 4994W. Students will satisfy the information literacy requirement as they complete core courses.

Disciplinary Concentration

Students must take an approved four-course sequence of 2000-level or above courses. Disciplinary concentrations available at Avery Point include Political Science, History, English, Anthropology, and Economics. Students may pursue disciplinary tracks in other departments with the approval of the Maritime Studies Coordinator and their advisor.

Related Areas

Students must complete 12 credits in related areas. The Maritime Studies coordinator and the student's advisor will determine what courses are germane to Maritime Studies.

Mathematics

The Mathematics Department offers programs of study in Mathematics, Applied Mathematical Sciences, Actuarial Science (in cooperation with the School of Business), and Mathematical Statistics (in cooperation with the Department of Statistics).

MATH 2010Q, 2011Q, 2194W, 2720W, 2784, 2794W, and 3670W may not be counted in any of the major groups listed below.

The Department offers both a Bachelor of Science and a Bachelor of Arts degree in Mathematics, Applied Mathematical Sciences, Mathematics-Statistics, and Mathematics-Actuarial Science. The Bachelor of Science program provides in-depth training in Mathematics as preparation for graduate study or for participation in scientific and engineering teams in government, industry, or research laboratories. The Bachelor of Arts degree is designed to provide training in contemporary mathematics without the depth and concentrated specialization required for the Bachelor of Science program. To satisfy the writing in the major and information literacy competencies in the Bachelor of Arts in Mathematics, the Bachelor of Science in Mathematics, the Bachelor of Arts in Applied Mathematical Sciences, and the Bachelor of Science in Applied Mathematical Sciences, all students must pass one of the following courses: MATH 2194W, 2720W, 2794W, or 3796W.

Bachelor of Science in Mathematics: The requirements for the B.S. in Mathematics are:

- (1) either (i) MATH 2110Q (or 2130Q), 2210Q, 2410Q, 2710 (or 2141Q-2142Q) or (ii) MATH 2143Q-2144Q, 2710, or (iii) MATH 2141Q-2142Q-2143Q-2144Q;
- (2) MATH 3150 (or 4110), 3151, 3230 (or 4210);
- (3) At least 6 additional credits from any of the following courses: MATH 2360Q, 3146, 3160, 3170, 3210, 3231, 3240, 3260, 3270, 3330 (or 4310), 3370, 3410, 3430, 3435, 3510, 3511, 3710, 4735, and approved sections of 3094 and 3795;
- (4) At least 3 additional credits from any of the following courses: MATH 3210, 3231, 3240, 3330 (or 4310), and 3370. In addition, at least 12 credits at the 2000-level or above in approved related areas are required.

Bachelor of Arts in Mathematics: The requirements for the B.A. in Mathematics are 27 credits of 2000-level or above course work in Mathematics and 12 credits of course work in approved related areas. The required courses are

- (1) either (i) MATH 2110Q (or 2130Q), 2210Q, 2410Q, 2710 (or 2141Q-2142Q), or (ii) MATH 2143Q-2144Q, 2710, or (iii) MATH 2141Q-2142Q-2143Q-2144Q;
- (2) MATH 3150 (or 4110), 3230 (or 4210);
- (3) At least 3 additional credits from any of the following courses: MATH 3210, 3231, 3240, 3330 (or 4310), and 3370. The remaining credits may come from any 2000-level or above Mathematics courses.

Bachelor of Science in Applied Mathematical Sciences: The requirements for the B.S. in Applied Mathematical Sciences are (1) either (i) MATH 2110Q (or 2130Q), 2210Q, 2410Q, 2710 (or 2141Q-2142Q) or (ii) MATH 2143Q-2144Q, 2710 or (iii) MATH 2141Q-2142Q-2143Q-2144Q; (2) MATH 3410, 3150 (or 4110), 3510, and 3511; (3) Two courses to be selected from MATH 2420Q, 3146, 3151, 3160Q, 3170, 3270, 3430, 3435, 3710, and approved sections of 3094 and 3795; (4) At least 3 additional credits from MATH 2360Q, 3160, 3210 (or 4210), 3230, 3231, 3240, 3260, 3330 (or 4310), 4735, and approved sections of 3094 and 3795. In addition, at least 12 credits at the 2000-level or above in approved related areas are required.

Bachelor of Arts in Applied Mathematical Sciences: The requirements for the B.A. in Applied Mathematical Sciences are 27 credits of 2000-level or above course work in Mathematics and at least 12 credits in approved related areas. The required courses for the degree are MATH 2110Q (or 2130Q or 2143Q), 2210Q (or 2143Q-2144Q), 2410Q (or 2420Q or 2144Q), 3410, 3510, and 3511. The remainder of the 27 credits of Mathematics must be chosen from MATH 2710, 3146, 3150 (or 4110), 3160, 3170, 3210 (or 4210), 3270, 3430, 3435, and 3710.

Bachelor of Science or Arts in Mathematics-Statistics: The requirements for the B.S. or B.A. in Mathematics-Statistics degree are 36 credits at the 2000-level or above in Mathematics and Statistics (in addition to MATH 2110Q or 2130Q), with at least 12 credits in each department. The required courses for the Mathematics-Statistics major are MATH 2210Q or 3210 (or 2143Q and 2144Q); 2410Q (or 2144Q); and STAT 3160 and 3375Q. To satisfy the writing in the Major and Information Literacy competencies, all students must pass one of the following courses: MATH 2194W, 2720W, 2794W, 3796W, or STAT 3494W.

Bachelor of Science or Arts in Mathematics-Actuarial Science: The requirements for the B.S. or B.A. degree in Mathematics-Actuarial Science are 36 credits at the 2000-level or above in Mathematics, Statistics, Business, and related areas (in addition to MATH 2110Q or 2130Q or 2143Q). The required courses are MATH 2210Q (or 2144Q), 2620, 3160, 3630-3631, 3634, STAT 3375Q-3445, and FNCE 3221 or 4325. Students should include ECON 1201 and 1202, a Computer Science course, and ACCT 2001 and 2101 in their program of study as early as possible. To satisfy the writing in the Major and Information Literacy competencies, all students must pass one of the following courses: MATH 2194W, 2720W, 2794W, 3670W, or 3796W.

Admittance to the University of Connecticut's Actuarial Science program will be available only to students who meet two requirements. First, the student must have a total grade point of 2.75 or higher or a grade point average of 3.0 or higher in mathematics. Second, the student satisfy one of the following:

1. successfully completed MATH 1121Q or 1131Q with a grade of at least B;
2. successfully completed an honors calculus course with a grade of at least C;
3. received AP credit for MATH 1131Q; or
4. received a passing score on one or more of the actuarial examinations.

Students not satisfying one or more of the requirements may be admitted into the program by the Mathematics Department Actuarial Committee.

To remain as an Actuarial Science Major, the student is expected to maintain a total grade point average of 2.75 or higher.

A minor in Mathematics is described in the “Minors” section.

Modern and Classical Languages

The Department of Modern and Classical Languages offers courses in French, German, Hebrew, Italian, Portuguese, Spanish, the classical languages, and selected critical languages. Students may major in Classics and Ancient Mediterranean Studies, French, German, Italian Literary and Cultural Studies, or Spanish or a combination of languages. The department aims to give students a working knowledge of foreign languages for teaching, research, travel, business, diplomatic or governmental work, and for graduate or undergraduate study of the civilization and literature of a foreign country.

Ordinarily study abroad or internship in the major **modern** language for at least one semester (or approved equivalent time period) will be required for all majors. With the advisor’s consent students may choose from a variety of programs. The department conducts programs in Austria, France, Italy, Spain and Germany, sponsors a resident study program in Mexico and offers credit arrangements for study at a Goethe Institute in Germany. Such study normally is most valuable during the junior year, but unusually qualified sophomores and some seniors are also eligible. (The year abroad program in Italy welcomes applications by sophomores, juniors and seniors.) Additional language experience is available through residence in the University’s Foreign Language dormitory. Students interested in any of these possibilities should consult early with their advisors.

Courses numbered in the 2000-level or above are open to freshmen and sophomores if they meet the prerequisites for the course. In the modern languages, classwork is conducted in the foreign language unless otherwise indicated.

Classics and Ancient Mediterranean Studies

The major in Classics and Ancient Mediterranean Studies allows students to pursue an interest in the Greek, Latin, and Ancient Hebrew/Biblical world. Students may choose to pursue a traditional, language-oriented (Greek or Latin) concentration in Classics or a concentration in Ancient Mediterranean Studies. Students who concentrate in Classics may take courses in Ancient Mediterranean Studies in addition to their language and literature requirements. Those who concentrate in Ancient Mediterranean Studies may also pursue some relevant language study (Greek, Latin, or Biblical Hebrew). Either concentration will lead to a major in Classics and Ancient Mediterranean Studies.

Concentration in Classics. Students must complete a minimum of 8 courses from the following:

A. At least two courses involving reading in Greek and/or Latin: CAMS 3101, 3102, 3232, 3293*, 3295*, 3298*, 3299*. (CAMS 3101 and 3102 are topics courses, which may be retaken for credit with a change in subject matter.)

*May count toward major only with consent of advisor.

B. At least one writing course on Classical literature in English translation: CAMS 3241W, 3242W.

C. At least two other courses dealing with the ancient world CAMS 3207, 3211, 3212, 3213, 3214, 3221, 3224, 3225, 3226, 3227, 3243, 3244, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3293*, 3295*, 3298*, 3299*. (These may be cross-listed under Art History, History, Judaic Studies, and Philosophy). JUDS/HEB 3201 and INTD 3260 may also be included.

*May count toward major only with consent of advisor.

Concentration in Ancient Mediterranean Studies. Students must complete a minimum of 8 courses from the following:

A. At least one writing course on Classical literature in English translation: CAMS 3241W, 3242W.

B. At least six other courses dealing with the ancient world: CAMS 3101, 3102, 3207, 3211, 3212, 3213, 3214, 3221, 3224, 3225, 3226, 3227, 3243, 3244, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3293*, 3295*, 3298*, 3299*. (These may be cross-listed under Art History, History, Judaic Studies, and Philosophy). JUDS/HEB 3201 and INTD 3260 may also be included.

*May count toward major only with consent of advisor.

To satisfy the writing in the major and information literacy competencies, all students must take CAMS 3241W or 3242W.

A minor in Classics and Ancient Mediterranean Studies is described in the “Minors” section.

French

The French major requires a minimum of 30 credits in 2000-level or above French courses and 12 credits in 2000-level or above “related courses” from departments other than French. All majors must complete the following courses: FREN 3211, 3261W, 3262W, 3268W, 3269 and 3257. Students may follow the French for the Global Community track or the French Cultural and Literary Studies track.

French majors pursuing the French for the Global Community track must complete 12 credits, distributed as follows: FREN 3215, 3216 or 3222; FREN 3217; FREN 3218 or 3273; FREN 3224 or 3274

French majors pursuing the French Cultural and Literary Studies track must complete 12 credits, distributed as follows: FREN 3210, 3223 or 3224; FREN 3218, 3230, 3231, 3232, 3234, 3235, or 3273; FREN 3220, 3221 or 3222; FREN 3272

Study Abroad in our Paris program is required for all French majors. Any of the above courses may be replaced, with advisor approval, by an appropriate FREN 3293 course from study abroad in Paris.

Study Abroad in Paris: French majors must complete at least a semester in the study abroad program in a Francophone culture. Students participating in the Paris program attend the University of Paris, and may earn a full academic year’s credit at the University of Connecticut and a maximum of 15 credits toward the major in French. The department encourages interdisciplinary work in this program, and wishes students to take courses in other disciplines wherever possible.

To satisfy the writing in the major and information literacy requirements, all majors must take FREN 3261W, 3262W, and 3268W.

A minor in French is described in the “Minors” section.

German

Students majoring in German have a choice between a concentration in German literature or German studies. For the concentration in German literature the following courses are required: 1) 3233, 3234, 4246; 2) three from among the following literature courses: 3253W, 3254W, 3255W, 3293 (on a literary topic), 3294 (on a literary topic), and 3295 (on a literary topic); 3) one from 3200, 3231, 3232, 3245, 3261W, 3265, 3292, 3293 (on a non-literary topic), 3294 (on a non-literary topic) and 3295 (on a non-literary topic); and 4) one of the following courses taught in English: 3251, 3258, or 3264W. (Only one course taught in English is allowed toward the literature major.)

For the concentration in German studies the following courses are required: 1) 3233, 3234, 4246; 2) either 3251 or 3258; 3) three from 3200, 3231, 3245, 3261W, 3264W, 3265, 3292, 3293 (on a non-literary topic) and 3294 (on a non-literary topic) and 3295 (on a non-literary topic); 4) one of the following literature courses: 3253W, 3254W, 3255W, 3293 (on a literary topic), 3294 (on a literary topic) and 3295 (on a literary topic) (Only two courses taught in English are allowable toward the German studies major.)

To satisfy the Information Literacy Competency requirement, the following courses are required:

- 1) one of 3233, 3234; and
- 2) one of 3253W, 3254W, 3255W, 3261W, 3264W; and
- 3) 4246.

To satisfy the writing in the major requirement, all majors must take one of the following courses: 3253W, 3254W, 3255W, 3261W, 3264W.

Eurotech. In collaboration with the School of Engineering, the German Section offers Eurotech, a carefully structured five-year, double-degree program enabling students who have been admitted to the School of Engineering to earn both a B.A. in German and a B.S. in Engineering. The program includes German language courses specially designed to include engineering content, engineering courses partly taught in German, and a six-month internship in a German-speaking company. There is a special emphasis on environmental engineering and pollution prevention. Eurotech students may substitute GERM 3220, 3221, and 3222 for one of the courses in category 3 required of majors in German literature; and for one of the courses in category 2 required of majors in German Studies.

Study Abroad in Austria and Germany. The University of Connecticut sponsors a variety of programs in Salzburg, Regensburg and a number of universities in the State of Baden-Württemberg that allow students to follow their own concentration and interests. Students also have the possibility of work-study programs and internships.

A minor in German is described in the “Minors” section.

Italian Literary and Cultural Studies

The major allows students to pursue a traditional concentration in Italian literary studies or a concentration in Italian cultural studies. Students who concentrate in Italian literary studies may take courses in Italian cultural studies in addition to their language and literature requirements. Those who concentrate in Italian cultural studies may also pursue relevant Italian literary studies.

Concentration in Italian Literary Studies

Students must complete a minimum of 8 courses (the equivalent of 24 credits) to be chosen among the following: ILCS 3237, 3239, 3240, 3243, 3244, 3250, 3253, 3254, 3259, 3261, 3262, 3270, 4279.

Concentration in Italian Cultural Studies

Students must complete a minimum of eight courses (the equivalent of 24 credits) from the following:

A. Three 2000-level or above Italian courses from the following: ILCS 3237, 3239, 3240, 3243, 3244, 3250, 3253, 3254, 3255W, 3256, 3258/3258W, 3259, 3260W, 3261, 3262, 3270, 4279.

B. Two courses from the following: HIST 3325, 3370, 3460, 3463, 4994W

C. Three courses to be chosen from the following: ARTH 3030, 3320, 3340, or MUSI 3413, 3421W; or ENGL 3218W

Students must demonstrate proficiency in Italian at a level equivalent to ILCS 1147.

Study Abroad in Italy. Students can participate in a variety of UConn-sponsored Study Abroad Programs and also have the option of enrolling in non-sponsored programs. In either case, students should consult with the ILCS faculty to determine which courses will receive credits. Students who enroll in study abroad programs not sponsored by UConn do not necessarily receive UConn credits for their coursework. No more than 12 credits taken in any Study Abroad Program may count toward a major in Italian at this University.

To satisfy the information literacy competency, all students must take ILCS 3255W, or 3258W, or 3260W. To satisfy the writing in the major requirement, all students must take ILCS 3255W, or 3258W, or 3260W.

A minor in Italian Cultural Studies and a minor in Italian Literary Studies are described in the “Minors” section.

Spanish

Spanish courses comprise three main groups:

Group 1 (Literature): SPAN 3207, 3208, 3230, 3231, 3232, 3233, 3234, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3293, 3298, 4200W.

Group 2 (Culture): SPAN 3200, 3201, 3204, 3205, 3206, 3207, 3208, 3214, 3250, 3251, 3252, 3254, 3293, 3298, 4200W

Group 3 (Language and Communication): SPAN 3110, 3170, 3177, 3178/W, 3179, 3204, 3240W, 3241, 3242, 3261, 3293, 3298, 4200W

The Spanish major requires 27 credits in 3000 and 4000-level Spanish courses and at least one semester of Study Abroad. A minimum of 12 of the major credits must consist of Spanish courses taken in residence. Up to 12 credits may be met by Study Abroad courses, with advisor’s consent. Up to 6 credits may be transfer credits. AP credits may not be used toward the major. An additional 12 credits are required in 3000 and 4000-level related courses from programs other than Spanish. These may include appropriate Study Abroad courses (ARTH 3993, ECON 3493, SOCI 3993, POLS 3993, HIST 3993). Other related courses require advisor’s prior consent.

All majors in Spanish must complete SPAN 3177, 3178, or 3178W and eight more courses from the three main groups.

A student majoring in Spanish can choose between the *Literature and Culture* track and the *Culture and Communication* track.

a) Majors pursuing the *Literature and Culture* track must take SPAN 3230. The other courses must be distributed as follows: four courses from Group 1 (one of which must be 3231, 3232, 3233 or 3234), two courses from Group 2, and one course from Group 3.

b) Majors pursuing the *Culture and Communication* track must take SPAN 3242. The other courses must be distributed as follows: two courses from Group 1, three courses from Group 2, and two courses from Group 3.

Variable topics courses (3204, 3207, 3208, 3261, 3293, 3298, 4200W) may be applied to any of the three groups as determined by course content and with prior consent by the Department.

To satisfy the information literacy and writing in the major requirements, all students must pass one of SPAN 3178W, 3240W, or 4200W.

A minor in Spanish is described in the “Minors” section.

Molecular and Cell Biology

This B.S. program is suitable for students with interests that integrate the organismal, cellular and subcellular levels of biology, including the areas of biochemistry, cell biology, developmental biology, genetics and genomics, and microbiology, as well as their applications in biotechnology and medical science. Many opportunities for independent research projects in these areas are open for undergraduates.

The following 1000’s level courses are required: BIOL 1107; CHEM 1124Q, 1125Q, 1126Q or 1127Q, 1128Q; MATH 1120Q, 1121Q, 1122Q, or 1131Q, 1132Q; and PHYS 1201Q, 1202Q, or 1401Q, 1402Q or 1601Q, 1602Q.

Courses required for the major: at least 24 credits in MCB, including:

Group 1: At least 3 of the following core courses

MCB 2410 (Note: MCB 2413 may be substituted for MCB 2410), 2210, 2610, 3010

Group 2: CHEM 2443 and 2444

Group 3: Laboratory requirement: At least 3 laboratory courses chosen from the following list: MCB 2000, 2225W, 2413, 2610, 3010, 3414, 3633, 3640W, 4026W, 4415, 3899 Independent Study (may be repeated, but only 3 credits may count toward the 24 credits of required MCB courses).

For breadth of study in biology, it is recommended that students take PNB 2250 and EEB 2244 or 2245. Majors must complete at least 24 credits in MCB courses at the 2000-level or above.

Where appropriate, a course may fulfill more than one requirement; e.g., MCB 2610 and 3010 count towards the Group 1 requirement as well as the Group 3 Laboratory requirement. BIOL 2289 may be used to count toward the 24 credits of required MCB courses.

To satisfy the MCB writing in the major and information literacy competency requirements, all students must take one of the following courses: MCB 2225W, 3022W, 3640W, 3841W, 4026W, 4997W; EEB 2244W or 2245W; or any 2000-level W course approved for this major.

A minor in Molecular and Cell Biology is offered. A minor in Bioinformatics is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. Both programs are described in the “Minors” section of this *Catalog*.

Philosophy

The program in philosophy introduces students to basic philosophical issues and acquaints them with techniques of philosophical inquiry. The program addresses problems in ethics, social and political philosophy, metaphysics, theory of knowledge, philosophy of science, logic, philosophy of religion, and aesthetics from both historical and contemporary perspectives.

Students majoring in philosophy must earn 24 or more credits in philosophy courses numbered above the 1000’s, and 12 or more credits in related fields. Within the 24 credits in philosophy, students must pass PHIL 2221 and 2222, and at least two of the following four courses: PHIL 2210, 2211Q, 2212, and 2215. Students meeting the requirements for the major will automatically meet the exit requirements for information literacy. The exit requirement for writing in the major can be satisfied by passing any 2000-level or above W course in Philosophy.

A minor in Philosophy is described in the “Minors” section.

Philosophy also offers a joint-major with the Department of Linguistics. The description of the Linguistics-Philosophy major appears under the Linguistics major.

Physics

Physics, a fundamental and quantitative science, involves the study of matter and energy, and interactions between them. The subject is generally divided into mechanics, electricity and magnetism, statistical and thermal physics, and quantum physics. These form the foundation for present-day research areas, which include astrophysics, atomic, molecular and optical physics, condensed matter physics, nuclear physics, and the physics of particles and fields. In addition to a

knowledge of physics, students gain a rigorous training in logical thinking and quantitative problem solving. An education in physics can also provide an entry into many other fields such as biophysics, geophysics, medical physics, and engineering, as well as into less technical fields such as secondary education, technical sales, and science writing. Many students have also found that physics is an excellent preparation for the study of medicine, dentistry, or law.

The preferred introductory sequence for a major in physics, common to all physics degree programs, consists of PHYS 1600Q, 1601Q, and 1602Q. There are two options for the Bachelor of Science degree in physics: (1) the general option for students seeking to further their physics studies in graduate school and/or a career in research, and (2) the applied option, for students seeking graduate study in another field, medicine or dentistry, or a technical career in industry. The Bachelor of Arts degree in physics is ideal for pre-medical, pre-dental, or pre-veterinary students, students seeking double majors, or students seeking a middle or high school teaching career. There is also a Bachelor of Science in Engineering Physics offered jointly with the School of Engineering with possible emphases on Electrical Engineering, Mechanical Engineering, or Materials Science and Engineering.

In order to satisfy the information literacy exit competency requirement in the Physics Major, either PHYS 2300 or PHYS 4096W is required. Students will satisfy the University's computer technology and writing competency requirements by passing PHYS 2501W, which is required of all Physics majors. Courses that further enhance competencies are PHYS 2200 for computer technology, and PHYS 4096W for writing skills. These requirements apply to both the Physics B.S. and the B.A. degrees.

Bachelor of Science, General Option:

A total of 48 credits from 2000-level or above courses in physics, other sciences, mathematics, or engineering are required. Among these, 36 credits must be physics courses. The 36 credits of physics must include PHYS 2300, 2501W, 3101, 3201, 3202, 3300, and 3401, and at least three credits of an advanced laboratory (PHYS 2502, 3150, or 4900). It is strongly recommended that students going on to graduate school in physics take PHYS 3402. All students are strongly encouraged to participate in an undergraduate research project. An experimental research project (PHYS 4099) may count towards the advanced laboratory requirement. No more than two credits from PHYS 4094, and no more than six credits from PHYS 4099 may be counted towards this degree option. The general option for the Bachelor of Science degree requires a minimum of 12 credits from 2000-level or above related courses in mathematics, other sciences, or engineering.

Bachelor of Science, Applied Option:

A total of 48 credits from 2000-level or above courses in physics, other sciences, mathematics, or engineering are required. Among these, 30 credits must be physics courses. The 30 credits must include PHYS 2300, 2501W, 3103, 3104, and 3300, plus a minimum of nine credits from the following eight courses: PHYS 2502, 3150, 4140, 4150, 4210, 4350, 4900, and 5621, with at least three of the nine credits being from an advanced laboratory (PHYS 2502, 3150, or 4900). These eight courses involve the application of knowledge from multiple basic subjects, i.e., from mechanics, electricity and magnetism, statistical and thermal physics, and quantum mechanics. (PHYS 3101 and 3201 together may replace PHYS 3103.) All students are strongly encouraged to participate in an undergraduate research project. An experimental research project (PHYS 4099) may count towards the advanced laboratory requirement. The applied option for the Bachelor of Science degree requires a minimum of 12 credits from 2000-level or above related courses in mathematics, other sciences, or engineering. To complete the 48 total required credits for the applied option, the remaining six credits may come from 2000-level or above courses in physics, other sciences, mathematics, or engineering. No more than two credits from PHYS 4094, and no more than six credits from PHYS 4099, may be counted towards this degree option.

Bachelor of Arts:

A total of 36 credits from 2000-level or above courses in physics, other sciences, mathematics, or engineering are required. Among these, 24 credits must be physics courses. These 24 credits must include PHYS 2300, 2501W, 3103, and 3104, along with 12 credits of elective physics courses. (PHYS 3101 and 3201 together may replace PHYS 3103.) No more than two credits from PHYS 4094, and no more than six credits from PHYS 4099, may be counted towards this degree. The Bachelor of Arts degree requires a minimum of 12 credits from 2000-level or above related courses in mathematics, other sciences, or engineering.

Bachelor of Science in Engineering Physics:

Offered jointly by the School of Engineering and the Department of Physics in the College of Liberal Arts and Sciences, Engineering Physics majors can concentrate in either (1) Electrical, (2) Materials Science and Engineering or (3) Mechanical. Students must satisfy the course requirements of both the College of Liberal Arts and Sciences and the School of Engineering to complete this degree.

The major requires 128 credits of course work.

Engineering Physics majors are required to complete the following:

CHEM 1128Q or 1148Q

PHYS 2300, 2501W, 3101, 3201, 3202, and 3401

MATH 2110Q, 2410Q, and 3410

Electrical Engineering - ECE 2001W, 3101, 3111, 3201, 4111, 4211, 4231, 4232, 4901, and 4902; CSE 2300W; MATH 2210Q; PHYS 3300; STAT 3345Q. Elective courses (4 credits).

Mechanical Engineering - ME 2233, 2234, 3220, 3227, 3242, 3250, 3253, 4972 and 4973W; CE 2110, 3110; STAT 3345Q; ME Elective Courses (6 credits); PHYS Elective courses (6 credits).

Materials Science and Engineering - MSE 2001, 2002, 2053, 3001, 3002, 3003, 3004, 3055 and 3056, 4003W, 4901 and 4902W; CHEG 3156; PHYS 4150 and 4210; MSE Elective Courses (6 credits); Physics Elective Courses (3 credits).

Students in the Bachelor of Science in Engineering Physics are required to pass ENGR 1000 in addition to PHYS 2300 in order to satisfy the information literacy competency requirement; they are required to pass CSE 1100 or the equivalent, in addition to PHYS 2501W, in order to satisfy the computer technology competency requirement; and PHYS 2501W will suffice to satisfy the writing in the major requirement.

The options for the electives courses are specified in the *Engineering Physics Guide to Course Selection*.

A minor in Physics is described in the "Minors" section.

Physiology and Neurobiology

This major leads to a Bachelor of Science, and is suitable for students interested in the physiology and neurobiology of humans and animals. Coursework and independent study opportunities span the fields of comparative physiology, neurobiology, molecular endocrinology, reproductive endocrinology, developmental neurobiology and neurochemistry.

The following 1000's level courses are required:

BIOL 1107, 1108; CHEM 1124Q-1126Q or 1127Q-1128Q; MATH 1131Q-1132Q or 1120Q-1121Q-1122Q; PHYS 1201Q-1202Q-1230 or 1401Q-1402Q or 1601Q-1602Q

PNB majors must take no fewer than 24 credits in PNB courses numbered 2000 and above. This must include all of the following core courses: PNB 2274-2275, 3251, 3262. The remaining credits needed to fulfill this requirement should be selected from the available PNB courses, including PNB 2250, 3225, 3252, 3263WQ, 3276, 3277, 3295, 3299, 4296W. (At most 3 credits from among PNB 3180, 3295 and 3299 may count towards the 24 credit requirement.)

PNB majors must also take all of the following courses, which count as the related group: CHEM 2443, 2444; MCB 2000 or 3010 and MCB 2410 or 2413.

In addition, students are urged to take: CHEM 2445; EEB 2244 or 2244W or 2245 or 2245W; and MCB 2210.

To satisfy the writing in the major and information literacy competency requirements, all students must pass at least one of the following courses: PNB 3263WQ, PNB 4296W, EEB 2244W, or EEB 2245W.

There is a minor in Physiology and Neurobiology. A minor in Neuroscience is offered jointly by the Physiology and Neurobiology Department and the Psychology Department. Both programs are described in the "Minors" section of this *Catalog*.

Political Science

Political Science serves students whose primary interest is in some phase of public affairs (law, politics, government service) or international relations (foreign service), in gaining a better understanding of the entire field of governmental organization and functions.

Major Courses: A minimum of 24 credits in Political Science numbered 2000 or above (none on a pass-fail basis). Inter-departmental courses may not be included in the 24 credits. No more than 6 credits of independent study and/or field work can be counted toward the 24 credits.

A. Students majoring in Political Science must pass introductory 1000-level courses in three of the following four subdivisions: Theory and Methodology (1002), Comparative Politics (1202 or 1207), International Relations (1402), and American Politics (1602). It is recommended that these courses should be taken during the student's first two years of study.

B. All majors in political science must pass at least one course in **four** of the following six subdivisions (total of 12 credits). A W or Q course may be substituted for the same numbered course. Cross-listed courses may count only once toward this distribution requirement:

I. Theory and Methodology: 2072Q, 3002, 3012, 3022W, 3032, 3042, 3052

II. Comparative Politics: 2222, 3202, 3206, 3208, 3212, 3216, 3225, 3228, 3232, 3235, 3237, 3245, 3252, 3255

III. International Relations: 3402, 3406, 3410, 3414, 3418, 3422, 3432, 3437, 3438, 3442, 3447, 3452, 3457, 3462, 3464, 3472

IV. American Politics: 2607, 2622, 3602, 3604, 3612, 3617, 3627, 3632W, 3642, 3647, 3652, 3662, 3850W

V. Public Administration, Policy and Law: 3802, 3807, 3812, 3817, 3822, 3827, 3832, 3842, 3847, 3852, 3857

VI. Race, Gender, and Ethnic Politics: 3052, 3210, 3216, 3218, 3252, 3418, 3464, 3632W, 3642, 3647, 3652, 3662, 3807

POLS 2998 and 3995 may be counted toward this distribution only with consent of advisor. POLS 3426, 3991, 3993, 3999, 4994, 4997W may **not** be counted toward the Group B distribution requirement.

The writing in the major requirement may be satisfied by passing any 2000-level W course. Advanced information literacy exit requirements are incorporated into all Ws in the major, and students who successfully complete political science W courses will have met this requirement.

A minor in Political Science is described in the "Minors" section.

Psychology

The Psychology Department recommends that its majors take a broad selection of psychology courses and electives to obtain a well-rounded introduction to the science. The Department encourages students to participate in its research activities, including laboratory courses, research seminars, and independent study experiences.

The Department advises students planning to major in psychology to secure a background in the basic sciences and relevant social sciences, preferably before their junior year. Suggested courses include BIOL 1102, 1107, or 1108; ANTH 1006 or 2000; and SOCI 1001. If at all possible, majors should take STAT 1100Q (or 1000Q) by their third semester.

A maximum of seven 2000-level or above transfer credits in Psychology may count toward the major upon approval of the Transfer Coordinator in Psychology.

Up to three credits of PSYC 3889 or 3899 can be used, and PSYC 3880 cannot be used.

All Psychology majors are required to take two introductory-level psychology courses - General Psychology I 1100 and either General Psychology II 1101 or General Psychology II (Enhanced) 1103 - followed by at least 25 2000-level or above psychology credits, which are grouped as follows:

Foundation: 2100Q or 2100WQ

Area I. Social, Developmental, Clinical, & Industrial/Organizational: 2300 or 2300W, 2301, 2400, 2600, 2700

Area II. Experimental & Behavioral Neuroscience: 2200, 2500, 2501, 3201, 3500, 3501

Area III. Cross Area (I and II): 2201, 3100 or 3100W, 3102, 3105, 3400, 3601,

Area IV. Advanced & Specialty Lecture Courses: 2101, 2701, 3101, 3103, 3104, 3106 or 3106W, 3200 or 3200W, 3300 or 3300W, 3301, 3370, 3401, 3470 or 3470W, 3502, 3503, 3600 or 3600W, 3670 or 3670W, 3770 or 3770W, 3883, 3884, 3885

Laboratory Courses: 3250 or 3250W, 3251 or 3251W, 3252, 3350 or 3350W, 3450W, 3550W, 3551W, 3552, 3750 or 3750W

Research: 3889, 3899, 4197W

After completing 1100 and 1101 (or 1103), students must select one of our tracks for their major: 1. Bachelor of Arts: Standard, 2. Bachelor of Science: Standard, 3. Bachelor of Arts: Research Concentration, 4. Bachelor of Science: Research Concentration, 5. Bachelor of Arts: Honors, 6. Bachelor of Science: Honors

The requirements for each of these tracks are as follows:

Bachelor of Arts: Standard

25 PSYC credits, including: 2100Q or 2100WQ, Two Area I courses, Two Area II courses, One Area III course, Two other 2000-level or above PSYC courses from any areas, 12 related 2000-level or above non-PSYC credits

Bachelor of Science: Standard

25 PSYC credits, including: 2100Q or 2100WQ, Two Area I courses, Two Area II courses, One Area III course, Two Area IV laboratory courses, 12 related 2000-level or above non-PSYC credits

Bachelor of Arts: Research Concentration

31 PSYC credits, including: 2100Q or 2100WQ, Two Area I courses, Two Area II courses, 3100 from Area III, Two Area IV courses (lecture and/or laboratory), Three credits of Area IV research, One other 2000-level or above PSYC course from any area, 12 related 2000-level or above non-PSYC credits

Bachelor of Science: Research Concentration

31 PSYC credits, including: 2100Q or 2100WQ, Two Area I courses, Two Area II courses, 3100 from Area III, Two Area IV laboratory courses, Three credits of Area IV research, One other 2000-level or above PSYC course from any area, 12 related 2000-level or above non-PSYC credits

Bachelor of Arts: Honors

(Available only to students accepted into the University Honors Program)

31 PSYC credits, including: 2100Q or 2100WQ, Two Area I courses, Two Area II courses, 3100 from Area III, Two Area IV courses (lecture and/or laboratory), 3899 and 4197W from Area IV research, 12 related 2000-level or above non-PSYC credits

Bachelor of Science: Honors

(Available only to students accepted into the University Honors Program)

31 PSYC credits, including: 2100Q or 2100WQ, Two Area I courses, Two Area II courses, 3100 from Area III, Two Area IV laboratory courses, 3899 and 4197W from Area IV research (4197W may be substituted for one of the laboratory courses. If substituted, student must take one other 2000-level or above PSYC course from any area.), 12 related 2000-level or above non-PSYC credits

Related 2000-level or above non-psychology courses. At least 12 credits. Must be approved by advisor prior to registration. Because of content overlap, COMM 3100 (Persuasion), EPSY 3010 (Educational Psychology), and HDFS 2100 (Human Development: Infancy through Adolescence) may not be used.

To satisfy the computer technology competency, all students must pass PSYC 2100Q/2100WQ. Other courses that will further enhance competency in computer technology include PSYC 3250W, 3251W, 3350W, 3450W, 3550W, 3889, 3899, and 4197W.

To satisfy the information literacy competency, all students must pass PSYC 2100Q/2100WQ. Other courses that will further enhance competency in information literacy include PSYC 1100, 1103, 3250W, 3251W, 3350W, 3450W, 3550W, 3889, 3899, and 4197W.

To satisfy the writing in the major requirement, all students must pass PSYC 2100WQ. Other courses that will further help students develop writing skills in psychological science are PSYC 2300W, 3100W, 3102W, 3106W, 3200W, 3250W, 3251W, 3300W, 3350W, 3450W, 3470W, 3550W, 3551W, 3600W, 3670W, 3750W, 3770W, and 4197W. For students who have taken PSYC 2100Q rather than 2100WQ, any 2000-level or above PSYC W course may be used to satisfy the writing in the major requirement.

There is a minor in Psychology. A minor in Neuroscience is offered jointly by the Psychology Department and the Physiology and Neurobiology Department. Both programs are described in the Minors section.

Psychology also offers a joint-major with the Department of Linguistics. The description of the Linguistics-Psychology major appears under *Linguistics*.

Sociology

Sociology is an analytic discipline concerned with understanding people as creators of, and participants in, society. The field is broadly concerned with the study of modern society and its social organizations, institutions, groups, and social roles. Sociologists study social influences on human behavior, such as sexuality, ethnic identity, and religious belief, and how individuals become members of families and communities. The field is also concerned with social problems, especially all forms of prejudice, discrimination, and inequality, and with poverty, crime, violence, and the threatened environment. Sociologists emphasize sources of social problems in the organization of society, public policies for their alleviation, and today's questions of social justice. Finally, they study how individuals, both alone and working in groups, can change the society in which they live. A major in sociology opens many doors for careers and is excellent background for advanced training in a variety of other fields.

At least 24 credits of SOCI courses at the 2000-level or above are required:

Three specific courses are required of all majors: SOCI 3201, 3211Q, 3251. (Note: Students must take SOCI 1001, 1251, or 1501 prior to taking SOCI 3201, 3211Q, and 3251.)

Passing SOCI 3201 satisfies the information literacy competency, and passing SOCI 3211Q satisfies the computer technology competency. To satisfy the writing in the major requirement, students must pass one of the following courses: SOCI 2301W, 2827W, 3251W, 3307W, 3311W, 3315W, 3351W, 3401W, 3403W, 3407W, 3421W, 3429W, 3451W, 3457W, 3459W, 3471W, 3501W, 3503W, 3511W, 3521W, 3621W, 3651W, 3601W, 3701W, 3703W, 3801W, 3821W, 3841W, 3901W, 3903W, 3905W, 3907W, 3971W, 3990W, 3996W.

At least one course must be taken from the following group: Inequality, Diversity, and Change (SOCI 2827, 3221, 3222, 3421, 3429, 3501, 3503, 3505, 3511, 3601, 3621, 3701, 3703, 3801, 3821, 3825 or 3905)

Twelve additional credits (usually four courses) must be taken from any 2000-level or above courses offered by the department, including those listed above. (Note: No more than three credits of SOCI 3990 can apply to the major).

A minor in Sociology is described in the "Minors" section.

Statistics

The Department of Statistics offers work leading to degrees in theoretical and applied statistics.

At the undergraduate level, the department offers a major in statistics and a major in mathematics-statistics, the latter is offered jointly with the Mathematics Department.

The statistics major requires 24 credits at the 2000-level or above in statistics, including STAT 3375Q and 3445. MATH 2210Q or 3210Q and CSE 110 or 130 are strongly recommended. Since STAT 3375Q has MATH 2110Q or 2130Q as a prerequisite, students should begin the calculus sequence as soon as possible.

Students without mathematical background who wish some skill in statistical methodology should take STAT 1100Q followed by 2215Q. Students interested in the statistical analysis of business and economic data should take STAT 1000Q followed by 2215Q. Students with the appropriate calculus prerequisite should take STAT 3025Q rather than STAT 1000Q or 1100Q and 2215Q. STAT 3115Q and 3515Q are appropriate continuations for each of these three introductory sequences. Students interested in statistics as a mathematical discipline should complete STAT 3375Q-3445.

Students who complete the requirements for the statistics major will satisfy the computer technology requirement. To satisfy the information literacy competency and writing in the major requirement, statistics majors must take the STAT 3484 and 3494W sequence.

The mathematics-statistics major requires a total of 36 credits at the 2000-level or above in mathematics and statistics (in addition to MATH 2110Q or 2130Q), with at least 12 credits in each department. The required courses in the mathematics-statistics concentration are MATH 2210Q or 3210, and 2410Q or 2420Q, and STAT 3445 and 3375Q.

Students who complete the requirements for the mathematics-statistics major will satisfy the computer technology requirement. To satisfy the information literacy competency and writing in the major requirement, mathematics-statistics majors must take one of the following courses: MATH 2194W, 2720W, 2794W, 3796W, or

the STAT 3484 and 3494W sequence. STAT 3484 and 3494W may not be counted toward the Statistics or the Mathematics-Statistics major.

A minor in Statistics is described in the "Minors" section.

Structural Biology and Biophysics

This B.S. program emphasizes the physical and chemical foundations of molecular biology. A total of 36 credits at the 2000-level or above from the following courses are required for the major.

Required courses

CHEM 1124Q, 1125Q, and 1126Q or 1127Q and 1128Q or CHEM 1147Q and 1148Q; MATH 1120Q, 1121Q, and 1122Q or 1131Q and 1132Q or MATH 1151Q and 1152Q; MATH 2110Q or MATH 2130Q; MATH 2410Q or MATH 2420Q; PHYS 1201Q, 1202Q, and 1230 or PHYS 1401Q and 1402Q or PHYS 1601Q and 1602Q; CHEM 2443 and 2444; CHEM 3563 and 3564; CHEM 2445 or CHEM 3565W; MCB 3010; MCB 4008 or MCB 5038 or Special Topics: MCB 3895 (with Biophysics Program approval); MCB 4009

Recommended courses

MCB 2210, 2211, 2410, 2413, 2610, 3412, 3421, 3617, 3635, 3899, 4026W, 4415, 4997W, 5035; CHEM 3332, 4551; CSE 110, 130C, 1100; MATH 3210

To satisfy the writing in the major and information literacy competency requirements, all students must take one of the following courses: MCB 3841W, 4026W, 4997W; CHEM 3170W, 4196W; or any W course approved for this major.

Urban and Community Studies

The undergraduate major in Urban and Community Studies is an interdisciplinary program in the College of Liberal Arts and Sciences with a focus on educating citizens on the multiple dimensions of urban and community life and preparing students for careers in public and community service as well as graduate study in social work, public administration, law, public health, or other related areas.

The major has three parts. First, students receive a broad education in the study of cities, suburbs, neighborhoods and communities through core courses in three fields drawn from Economics, Geography, History, Political Science, Public Policy, Sociology, and URBN 3000. Second, students acquire a solid foundation in analytical techniques such as statistical analysis, survey research, geographic information systems, qualitative methods, or archival research. Finally, students take three additional electives in order to broaden their academic training or to develop a deeper specialization in selected areas.

Requirements of the major.

1. URBN 2000
2. Three of the following with no more than one per department (cross-listed courses count towards the non-URBN department): ECON 2439, 2456; GEOG/URBN 3200; GEOG 4210; HIST/URBN 3541; HIST 3554, 3564; POLS 3842 or PP 3031; POLS/URBN 3632W; PP 4034; SOCI/URBN 3901/3275, SOCI 3425, 3911; URBN 3000.
3. One of the following: ECON 2327; GEOG 3500Q, 4500, POLS 2072Q; PP 3010; SOCI 3201; STAT 2215Q; URBN 2100.
4. Three additional courses selected from group 2, group 3, or the following list: ECON 2431, 3431; ECON/URBN 3439; GEOG 4200W; HIST 3530, 3563, 3568, 3674; HDFs 2001, 3510, 3530; INTD 3584; POLS 2622, 3642, 3662, 3847; PP 3020, 4033; SOCI 3459, 3825, SOCI/URBN 3903/3276, SOCI 3907; URBN 3981 or INTD 3594; URBN 3995, 3998, 4000, 4999.

In order to assure a breadth of experience, students are encouraged to take courses which include content in each of the following areas: change over time, structural and spatial dimensions, diversity, power and decision-making, and political and social processes. One unique option for students is to enroll in the 15 credit Urban Semester Program, which provides major credit for two courses INTD 3584 and 3594.

Students interested in pursuing a program in Urban and Community Studies are advised to complete 1000-level courses in the social sciences which may be prerequisites for courses in Urban and Community Studies. These include, but are not limited to, GEOG/URBN 1200; ECON 1201; POLS 1602; SOCI 1001, 1251; STAT 1000Q/1100Q; and URBN 1300W. They should also plan on enrolling in URBN 2000 as soon as possible.

The writing within the major requirement can be met by taking any of the following courses: GEOG 4200W; HIST/URBN 3541W; POLS/URBN 3632W; PP 3020W; SOCI 3459W; SOCI/URBN 3901W/3275W, 3903W/3276W; SOCI 3907W; URBN 2000W, 4000W or any 2000-level or above W course approved for this major. Students should be aware, however, that availability of specific W courses

varies by campus. The information literacy requirements are met by successfully completing URBN 2000.

A minor in Urban and Community Studies is described in the “Minors” section.

Women’s Studies

The Women's Studies Program is a flexible interdisciplinary academic program devoted to the critical analysis of gender and the pursuit of knowledge about women. Combining the methods and insights of traditional academic disciplines with the special insights of Women's Studies scholarship, our courses yield fresh perspectives which help us to understand the origins of and changes in diverse cultural and social arrangements. The Women's Studies major is broad as well as flexible, and the student's program can readily reflect individual interests or complement a second major.

Gender is a common thread in our offerings, but it always interweaves with race, class, and other factors which contribute to the diversity of women's lives. The Women's Studies Program is committed to a vision of women and gender that is truly transnational and cross-cultural. Without this perspective, our view of the world is profoundly impoverished and stereotypes will continue to distort our understanding.

The Program prepares students to employ critical learning in their private lives, in their public roles as citizens and as members of the work force, and enhances their ability to work with and for women to create a more humane society. Women's Studies fosters interdisciplinary breadth and critical thinking and thus opens the way to a wide variety of career choices and graduate programs. Women's Studies students are flourishing in social service agencies, business, law, education, and journalism, and employers appreciate the broad interdisciplinary perspective of a Women's Studies education.

Core Courses

Students are required to pass the following Core Courses:

One 1000-level WS Introductory Course; WS 3265W; PHIL 3218 or WS 3250; WS 3891/3894; WS 4994W

Supporting Courses

Students are required to pass five 2000-level or above Supporting Courses. (15 credits) At least three of these courses will be Women’s Studies or cross-listed courses. Two of the five supporting courses may include cross-referenced courses that cover special topics relevant to feminist scholarship in various departments. Such cross-referenced courses will be applied to the major with approval of the Program Director or Academic Advisor.

Related Courses

Students must pass an additional 12 credits at the 2000-level or above in fields closely related to the major. No required course in the major or in the related area may be taken pass/fail.

General Education Competencies

Information Literacy and Writing in the Major: Passing the core courses WS 3265W and WS 4994W will fulfill these competencies.

A minor in Women’s Studies is described in the “Minors” section.

Alternative Areas of Study

African American Studies Institute. The primary mission of the Institute is to enlighten and inform people about the history, culture, contributions and experiences of people of African descent in the United States. To achieve this goal, the African American Studies Institute promotes high quality research, scholarship, and teaching of the African American experience and sponsors a wide variety of programs on topics and issues that are critical to Black America and pertinent to a better understanding of the Black world. The Institute is located in Wood Hall. Professor Jeffrey O. G. Ogbar is Director. Phone (860) 486-3630.

Air Force Studies. Under Public Law 88-647, the Air Force Reserve Officer Training Corps (AFROTC) offers courses to prepare interested college students for United States Air Force officer commissions; other college students who have no interest in military commissions may also take these courses for credit. Qualified students may apply for Air Force ROTC scholarships. Current Air Force ROTC membership isn’t necessary to apply for these scholarships; however, a student who receives and accepts an AFROTC scholarship must participate in the AFROTC program while in college and serve in the Air Force as an officer upon graduation and commissioning.

The basic Air Force ROTC course, called the General Military Course (GMC), covers the freshman and sophomore years; juniors, seniors and others may also participate. Unless they’ve already accepted AFROTC scholarships, students aren’t obligated to the Air Force at this time. During the first two years, students take a one-credit Air Force ROTC class each semester; we recommend the following sequence: AIRF 1000, 1200, 2000 and 2200. They also attend Leadership Laboratory, a cadet-run, two-hour-a-week session.

The advanced course, called the Professional Officer Course (POC), covers the junior and senior years. Before entering this phase, students must secure an Air Force officer candidate allocation and successfully complete four-weeks of summer field training. Students who do not complete the entire GMC enroll the same way, but attend field training for six weeks. If interested in an Air Force commission, cadets sign a contract obligating them to service in the Air Force at the beginning of their junior year unless they have previously agreed to the commitment through acceptance of a scholarship.

In the POC, students take a three-credit AFROTC class every semester and attend Leadership Laboratory (other students may take only the academic classes without obligation to the Air Force). Cadets must maintain full-time student status. Students in the POC receive a nontaxable stipend of \$350-400 per month. The Air Force commissions these students as second lieutenants after graduation and completion of all AFROTC requirements. For most AFROTC graduates there is an initial obligation of four years on active duty in the Air Force.

Please contact the Air Force ROTC office at (860) 486-2224 for further information. Information can also be found at: www.airforce.uconn.edu.

Asian American Studies Institute. The Asian American Studies Institute is an interdisciplinary research, teaching and publication program devoted to study of the Asian American experience within the larger context of an evolving American society. Of special importance is the internment of Americans of Japanese ancestry during World War II. Although the primary focus of the Institute is upon Asians in America, attention is also given to a study of Asia, since the unique cultural sources of Asian Americans are rooted in Asia.

Although not offering a degree program, the Institute does offer a concentration in Asian American Studies at the undergraduate level in the fields of Allied Health, English, Geography, History and Sociology. These courses, whose common thread is the Asian American experience, offer a comparative analysis of class, gender and Asian ethnicity. In addition, these courses explore the neglected aspects of the cultural, historical, socioeconomic and political experiences of Asian Americans.

The goal of the Institute is to prepare students for positions of leadership and service by cultivating a broad understanding of America’s racial and cultural diversity. The goal of the Institute is to also prepare students to employ critical learning in their private lives as citizens. To complement its academic mission, the Institute serves the community beyond the University as a resource for information and advocacy.

Students wishing to specialize in Asian American Studies can take the following courses: AASI 2274, 3201, 3220, 3221, 3222, 3295, 3531, 3578, 3808, 3809, 3812. Check with the Institute to find which AASI Special Topics courses are being offered currently.

Permanent features of the Institute’s programming include: annual publication of the newsletter *The Asian American*; an annual guest lecture series; the Asian Community in Connecticut Research Publication Series; the Fred Ho Collection and biennial Fred Ho Prize in Asian American History and Culture; the annual Asian American Heritage Observance and the Japanese American Internment Resource Library and Oral History Project.

The Institute is directed by Professor Roger N. Buckley, Room 416, Beach Hall. For further information, contact the Asian American Studies Institute, Beach Hall, Room 416. (860) 486-4751; FAX (860) 486-2851.

Comparative Literary and Cultural Studies. Students interested in comparative literature may take a wide range of comparative literature courses (no foreign language requirements) as well as courses offered by the participating literature departments. For advice about integrating the study of several literatures and preparing for further work in comparative literature, students may consult the chair, Lucy McNeece, or any member of the comparative literature faculty.

Judaic Studies. Courses in Judaic Studies are listed under Judaic Studies as well as Hebrew (Modern and Classical Languages), History and Sociology. Students may major in Judaic Studies through the College of Liberal Arts and Sciences Individualized Major. The description of a minor in Judaic Studies is listed in the

“Minors” section of this *Catalog*. For further information about current courses you are invited to contact the Center for Judaic Studies and Contemporary Jewish Life, Unit 1205, Dodd Center; Stuart S. Miller, Associate Director, or Arnold Dashefsky, Director.

Law. The process of applying for admission to law school begins in the student’s final year of academic work as an undergraduate. Pre-law advising services provides general information and procedural advice about each element of the application process. In addition, prospective applicants can receive information to help them select law schools from among the nearly 200 ABA-accredited schools across the country. Students with general questions about the legal profession, the bar admission process and employment opportunities in the legal profession are also welcomed.

Pre-law advising services are available to all UConn undergraduates on all campuses in any year of their undergraduate career, regardless of major field, program or specialization. Students are invited to come in during the regularly scheduled office hours established for each semester. Appointments are not necessary. Contact Frank M. Goetz, Monteith Building, Room 134, telephone: (860) 486-2440, e-mail: frank.goetz@uconn.edu.

Medicine and Dentistry. Students planning for a career in medicine or dentistry need a rigorous and broad education in the liberal arts and sciences, as well as a strong record of academic achievement. Guidance in the structuring of academic programs, including selection of a major, should be done in consultation with advisors from the Pre-medical/Pre-dental Advising office.

Medical and dental schools require that students take a year of general and organic chemistry including lab, physics (one year), biochemistry, genetics, and physiology prior to taking admissions tests (e.g. MCAT or DAT). Students need to take the MCAT in April or August of the year before they apply. The DAT can be taken anytime. Students typically apply for admission into medical or dental school during the summer between their junior and senior years. Students should contact the Pre-medical/Pre-dental Advising Office early in their junior year to arrange for a composite letter of recommendation. Students with questions can access the Pre-medical and Pre-dental web page at: <http://www.premed.uconn.edu> or contact advisors by phone at (860) 486-5415.

Medieval Studies. Students wishing to gain broad cultural and scholarly grounding in the Middle Ages in conjunction with a departmental specialization may consult the chairman or one of the members of the Committee for Medieval Studies. T. Jambeck and R. Hasenfratz, (Co-chairs), F. Biggs, J. Givens, S. Olson.

Military Science. Under Public Law 88-647, Army Reserve Officers’ Training Corps (AROTC) offers courses to prepare interested and qualified students for an officer commission; other students not interested in a commission may take the first two years of courses. Successful completion of the program can qualify the student for a commission in the United States Army, Army Reserve, or Army National Guard. AROTC furnishes uniforms, all textbooks, and other related equipment at no expense to the student. The program consists of the basic and the advanced courses. There is no military obligation in the basic course. Students desiring to take the basic course need only to register during the normal registration period but is generally restricted to freshman and sophomore students. Veterans (to include current members of the National Guard or Army Reserve) should consult with the Professor of Military Science (PMS) for possible waiver of the basic course.

A two-year program is available by special application and consent of the PMS during the sophomore year. Qualified students attend a paid, four-week summer camp after the sophomore year in lieu of the basic course, making them eligible to participate in the last two years of AROTC. The advanced course covers the junior and senior years and includes four three credit courses that meet for one two hour period per week, plus a leadership lab immediately following class. This is also available to graduate students but they must coordinate with PMS.

Advanced course students attend a four-week summer camp after the junior year. Participation in the advanced course requires a military obligation. Entry into the advanced course is subject to the approval of the PMS. All contracted advanced course cadets receive a subsistence allowance of \$400-\$450 per month.

Two, three, and four-year scholarships are available to qualified students. Criteria considered include academic performance, physical fitness, and leadership potential, as evaluated through a board scholarship interview.

Interested students should visit the AROTC office or call (860) 486-6081/4538. Information can also be found at: www.armyrotc.uconn.edu

Native American Studies. The University offers interdisciplinary curricula in topics pertaining to Native American cultures of the present and past. Native American studies is an area of concentration within the Individualized Major program. The description of a minor in Native American Studies is listed in the “Minors” section of this *Catalog*. For further information contact Kevin McBride, or write to Native American Studies at Unit 2176.

Puerto Rican and Latino Studies. The Institute for Puerto Rican and Latino Studies has a flexible interdisciplinary research and teaching program devoted to the comparative, critical analysis of ethnicity and the quest for knowledge about Puerto Ricans on the island and the mainland, as well as about Mexican Americans, and other peoples of Latin American descent in the United States. Although the primary focus of the program is upon the majority segments of the Latino population who, like Puerto Ricans and Mexican Americans, are U.S. citizens, attention is also given to that segment which due to recent immigration or other reasons has not met the formal requirements for U.S. citizenship.

The Institute’s Program prepares students to employ critical learning in their private lives, in their public roles as citizens, and as members of the labor force, and enhances their ability to work with and for peoples of Puerto Rican or Latin American descent to promote the development of fairness and equity in public policy as well as multicultural diversity in state, regional, and national life. Puerto Rican and Latino Studies promotes critical, comparative, interdisciplinary thinking and thus facilitates a wider variety of professional or other career choices for students. Students wishing to specialize in Puerto Rican/Latino Studies may take 12 credits from the following courses: PRLS 3241, 3295, 3298.

Please note that PRLS 3295 and 3298 may be repeated for credit. Additional courses will become available so it is necessary to check with the Institute’s office to verify current course offerings.

For further information about Puerto Rican and Latino Studies, contact the Institute for Puerto Rican and Latino Studies, Beach Hall, Room 413, (860) 486-3997.

Internships

Many departments and programs in the College offer experiential learning in the form of internships, also called “field study” or “practicum”. The College recognizes the important role that internships play in our curriculum but also requires that standards for internships be met so that student interns receive the intended educational benefits. Thus the following restrictions apply: No credit may be given retroactively for internship work undertaken without being properly enrolled in the internship course in advance. A student may count no more than fifteen internship credits towards a bachelor’s degree in CLAS and each credit for internship work must entail at least forty-two hours of work per semester or term. The required number of hours of work must be stated clearly in the learning contract or work plan for the internship signed by both the instructor of record and the internship supervisor.

College of Liberal Arts and Sciences Website

<http://www.clas.uconn.edu/>