

College of Liberal Arts and Sciences

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The College of Liberal Arts and Sciences has 23 departments and offers the Bachelor of Arts and Bachelor of Science degrees. The College has departments of Air Force studies, anthropology, chemistry, communication sciences, ecology and evolutionary biology, economics, English, geography, geology and geophysics, history, journalism, linguistics, marine sciences, mathematics, military science, molecular and cell biology, modern and classical language, philosophy, physics, physiology and neurobiology, political science, psychology, sociology, and statistics. Most departments offer at least one major course of study. Other majors include: art history in cooperation with the School of Fine Arts, environmental science, mathematics combined with statistics, linguistics combined with philosophy, Latin American language and area studies, Puerto Rican and Latino Studies, Slavic and East European language and area studies, urban studies, and women's studies.

The College prepares students for, and aids them in applying to, schools of law, dental medicine, and medicine.

For admission, 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 and the Vice-President, students shall take all of their course work at the University during the last two semesters.

Bachelor's Degree Requirements

The Board of Trustees awards degrees on the recommendation of the faculty. To graduate from the College of Liberal Arts and Sciences a student must:

1. earn a total of 120 credits.
2. earn at least 45 credits in courses numbered 200 or above.
3. meet the General Education and concentration requirements described below in sections I and II.
4. have an Upper Division cumulative grade point average of at least 2.0.

The Upper Division begins with the first semester after the semester in which the student has earned a total of at least 60 credits.

The University Senate has adopted General Education Requirements in a variety of curricular areas which must be satisfied as part of every bachelor's degree program. These requirements are listed in the Appendix of this Catalog. Students in the College of Liberal Arts and Sciences must fulfill the College General Education Requirements listed below in Section I. These also satisfy the University requirements. Students should take as many of these courses as possible during the first two years in order to concentrate on the major during the last two years.

Students transferring from other schools or colleges within the University to the College of Liberal Arts and Sciences must meet the requirements of the College in effect at the time they enter the College. Students intending to transfer to a professional school should choose courses meeting the requirements of both the school and this College whenever possible.

Students may earn a Bachelor of Arts in most College of Liberal Arts and Sciences majors. Bachelor of Science candidates must major in Biology, Chemistry, Geology and Geophysics, Individualized, Mathematics, Physics, Psychology or Statistics. The General Education Requirements in Groups VII and VIII differ for the Bachelor of Arts and the Bachelor of Science. There may also be some differences in the major requirements.

I. General Education Requirements for the Bachelor of Arts and Bachelor of Science Degrees

No course on Pass/Fail meets the following requirements. Because of the limits on Pass/Fail courses throughout the University, students should ponder the Pass/Fail option with care.

1. Foreign and Ancient Languages

All students must have either (1) passed the third year level of a language in high school,* (2) two units from high school and an added year of college courses at an advanced level in a single language, or (3) two years of a single foreign language in college.**

Liberal Arts students may not receive course credit by examination for first year (elementary) or second year (intermediate) language courses.

2. Expository Writing

Students must pass English 105 followed by English 109. In addition, all students must pass three W-courses. Students in W-courses must submit, in successive drafts, one or more essays totaling at least 15 pages when completed. No student who has not passed the writing component may pass the course.

Students must pass English 105 before taking any 100-level W-course; they must also pass English 109, but they may take it either before or while taking a 100-level W-course. Students may not use more than one 100-level course as a W-course. Students passing English 250 need not take either English 105 or English 109.

3. Mathematics/Computer Science

All entering students must show they have a competency level equivalent to that of Mathematics 101, by passing either the Q-course Readiness Test or Mathematics 101. The Readiness Test is a quantitative skills test given by the University. Students must pass this before taking a Q-course.

Students take the Q-Course Readiness Test when registering for the first semester. Students failing the test must pass Mathematics 101, a remedial course in intermediate algebra. Grades and credits for Mathematics 101 count toward the grade point average, but the credits do not count toward graduation.

All students must take three Q-courses (quantitative) and one C-course (computer). These skill courses may meet more than one requirement. Unless the student has a high pass on the Q-Course Readiness Test, at least one mathematics or statistics course must be used to meet the Q-Course requirement.

4. Literature and the Arts

All students must pass at least one course from Literature and at least one course from the Arts.

A. Literature

Classics 103, 211, 221, 244
 English 112, 112W, 113, 113W, 127, 127W, 205, 206, 210, 212, 216, 219, 230, 230W
 French 261, 262, 270W
 German 240W, 252, 253, 254, 255
 Italian 101, 243, 244
 Russian 231, 232
 Spanish 187, 281, 282

B. Arts

Anthropology 252/Art History 256
 Art 135
 Art History 137, 138, 141, 191, 285, 285W
 Dramatic Arts 101, 110
 French 171
 German 171
 Music 191, 193, 194
 Women's Studies 104

* Students who studied a foreign language before entering high school shall meet the requirement if they completed a third-year high school level course.

**If possible, students should complete this requirement by the end of their fourth semester.

5. Culture and Modern Society

All students must pass either History 100 or History 101 and one course from both of the following groups.

A. Western Culture

Classics 101, 102, 243
Economics 201, 203
French 169, 210, 211
Geography 130/URBN 130
German 251
Hebrew 103/JUDS 103
History 121, 206
Interdepartmental 294
Italian 238
Journalism 102
Political Science 121
Russian 241
Spanish 200

B. Non-Western and Latin American Culture

Anthropology 100, 222, 223, 224, 225, 226, 227W, 238
English 120, 218
Geography 160
History 106, 108, 205, 222, 223, 281, 282, 285, 288W
Latin American Studies 190, 190W
Philosophy 263, 264
Political Science 143, 203W, 228W, 229, POLS/WS 203W, POLS 279W
Sociology 226, 226W, 227, 227W
Spanish 201
Women's Studies 124, WS/Pols 203W

6. Philosophy and Ethical Analysis

All students must pass one course from:

Linguistics 101
Philosophy 101, 102, 102C, 103, 104, 105, 106
Political Science 106
Science 240

Bachelor of Arts

Requirements 1 through 6, plus:

7. Social Scientific and Comparative Analysis

All students must pass three courses, with no more than two from a single department:

Agricultural and Resource Economics 110, 150
Anthropology 106, 220W
Communication Sciences 102
Economics 100, 111, 112, 113
Geography 104, 200
Linguistics 102
Political Science 132, 173
Psychology 133
Sociology 107, 107W, 115, 115W, 125
Women's Studies 103

8. Science

All students must pass two courses, at least one of which must be from those in **boldface** type; one course must be from Biology, Chemistry, Geology or Physics. A student may not count both BIOL 102 and BIOL 103 in group 8.

Biology **102**, BIOL/PATH **103, 107, 108, 110**
Chemistry **122, 127Q, 128Q, 129Q, 130Q, 137Q, 138Q**
Geography 205
Geology 101, **102**, 111
Marine Sciences 170
Physics **101Q***, 103Q, **104Q, 107Q***, **121Q, 122Q, 131Q, 132Q, 141Q, 142Q, 151Q, 152Q, 155Q**
Psychology 132
Science 110

*Note: PHYS 101Q and PHYS 107Q may not be combined to satisfy the Group 8 requirement.

Bachelor of Science

Requirements 1 through 6, plus:

7. Social Scientific and Comparative Analysis

All students must pass one course from:

Agricultural and Resource Economics 110, 150
Anthropology 106, 220W
Communication Sciences 102
Economics 100, 111, 112, 113
Geography 104, 200
Linguistics 102
Political Science 132, 173
Psychology 133
Sociology 107, 107W, 115, 115W, 125
Women's Studies 103

8. Science

All students must pass all of the following:

Chemistry 127Q, 128Q or 129Q, 130Q, or 137Q, 138Q
Mathematics: One of the sequences MATH 112Q, 113Q, and 114Q; 115Q(or V), 116Q(or V); MATH 120Q(or V), 121Q(or V)
and one of the following: 210Q, 211Q, 220Q, 221Q, BIOL 107, BIOL 108
Physics, either 121Q, 122Q, 123Q; or 131Q, 132Q; or 141Q, 142Q; or 151Q, 152Q

II. Field of Concentration

Students may meet this requirement by completing the courses described in a, b, or c, below. 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.

a. **Major and related groups.** The field of concentration includes both the major and related groups; it must total at least 36 credits, all numbered 200 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 a grade point average of 2.0 or better in the 24 credits making up the major group.

b. **Double Major Program.** Students may earn a double major by fulfilling all the major requirements of any two departments or programs within the College. Candidates shall choose one of the two departments or programs as their primary major. They shall register with that department or program and receive the degree appropriate to that department or program.

c. **Individualized major.** Students who are not on scholastic probation and have a total GPA of 2.0 may apply for an individualized major. The major consists of 36 credits numbered 200 or above from two or more departments in the University. At least 18 of the credits shall come from departments from this College. Students must earn a GPA of 2.5 or better in the 36 concentration credits. The student may include no more than 6 credits of independent study nor more than 12 credits of field work. To earn the Bachelor of Science Degree students must fulfill the general education requirements for a Bachelor of Science within the College of Liberal Arts and Sciences. The 36 credit plan of study must consist of at least 24 credits at the 200 level from the College of Liberal Arts and Sciences in chemistry, ecology and evolutionary biology, geology, marine sciences, mathematics, molecular and cell biology, physics, physiology and neurobiology, psychology and/or statistics departments.

Students should submit proposals after they have earned 40 credits, but prior to beginning their final 30 credits of study. Internship, field work, research, or study abroad are recommended as part of the proposed plan of study. The proposed field of concentration must show coherence of subject matter or principle and have academic merit. For further information and application forms, contact the CLAS Undergraduate Center, Room 14, Wood Hall (860) 486-3631.

III. 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 adviser. Students must file the tentative plan of study by the beginning of advance

[†] Students pursuing an individualized major must follow the procedures described in IIc.

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 adviser 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.

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. Further, qualified students may apply for Air Force ROTC scholarships; these scholarships pay for up to four years of undergraduate tuition, books and certain fees. 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 two years, students take a one-credit Air Force ROTC class each semester; we recommend the following sequence: AIRF 113, AIRF 114, AIRF 123 and AIRF 124. Students register for these classes as they would any other academic class at the University of Connecticut. Also, they attend Leadership Laboratory, a cadet-run, two-hour-a-week session. Leadership Laboratory provides cadets with "hands-on" command and leadership experience through participation in cadet corps activities.

The advanced course, called the Professional Officer Course (POC), covers the junior and senior years. Before entering this phase, students must compete for and secure an Air Force allocation and successfully complete a four-week field training camp. Students who don't complete the entire GMC enroll the same way, but attend field training for six weeks instead of four. If still interested in an Air Force commission, they sign a contract obligating them to the Air Force.

In the POC, students take a three-credit Air Force ROTC class every semester and attend Leadership Laboratory (other UConn students may also take the academic classes without obligation to the Air Force); also, they must maintain full-time student status. Students in the POC receive a nontaxable allowance of \$150 per month. The Air Force commissions these students as second lieutenants after graduation and completion of all Air Force ROTC requirements. Most second lieutenants serve an initial obligation of four years on active duty in the Air Force; after completing flight training, pilot and navigator candidates owe eight and six years respectively.

Please contact the Air Force ROTC office at (860) 486-2224 for further information.

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 – stressing 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 majors must take the following courses: a 100 level Anthropology course, as well as, Anthropology 214, 220, 233, and 244. Students must take at least one course in an ethnographic area (Anthropology 221, 222, 223, 225, 226, 227W, 228, 229, 230, 238, 241, 242W, 243, 270).

In addition, majors must take at least three Upper Division anthropology courses two of which are not ethnographic area courses. We strongly recommend that majors take Anthropology 212 and a course in methodology. These two courses should be taken during the student's senior year, if possible. Students may choose from a wide variety of related courses in other departments.

Anthropology Minor

The requirements for the Minor in Anthropology are at least 15 credits in Anthropology courses that include (1) two courses chosen from Anthropology 214, 220, 233, and 244, and (2) three additional upper division courses, with the exception that not more than three credits of 290 - 299 series courses may be counted toward the minor. Students are encouraged to consult with advisors in Anthropology and in their major field to design a plan of study appropriate to their long-term goals.

Art History

The Department of Art and Art History in the School of Fine Arts offers a major in art history through the College of Liberal Arts and Sciences. In addition to satisfying the requirements of the College, majors must complete Art History 137, 138, and eight 200-level courses in the history of art with at least one course from each of the following areas:

- Ancient: Art History 243, 246, 280*
- Medieval: Art History 257, 258, 259, 262, 280*
- Renaissance-Baroque: Art History 250, 251, 273, 278**
- Modern Western, 19th and 20th century: Art History 209, 252, 253, 254, 267, 268, 279***, 281, 282, 291, 292
- Non-Western: Art History 277, 278**, 279***, 284, 285, 286, 287, 288, 289

In addition, art history majors must take two studio art courses on any level for which they meet the prerequisite. Students interested in this major should arrange for a counselor with the Art History Coordinator, Department of Art and Art History, School of Fine Arts.

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 (numbered in the 100's) are shared by the three departments and are listed under General Biology (BIOL). Courses above the 100's level are listed separately under individual departments. Five undergraduate majors are offered. One of these, the Biological Sciences major, is offered jointly by the three departments, and is available in programs leading either to the Bachelor of Arts or to the Bachelor of Science degree. The major in Ecology and Evolutionary Biology is offered by the Department of Ecology and Evolutionary Biology, and is also available in programs leading either to the Bachelor of Arts or the Bachelor of Science Degree. The remaining three majors, available only as Bachelor of Science programs, are the degrees in Biophysics and in Molecular and Cell Biology, both offered by the Department of Molecular and Cell Biology, and the degree in Physiology and Neurobiology, offered by the Department of Physiology and Neurobiology.

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. Booklets describing the four majors and recommending courses and plans of study are available in the Biology Central Services office (Torrey Life Sciences Building, Room 161), in the EEB, MCB, and PNB departmental offices, and at the Academic Advisory Center (basement of Wood Hall). Students are also urged to discuss the various options early in their studies with an advisor made available through the departmental offices.

Credit restriction, prerequisites: In no case may students receive more than 12 credits for courses in biology at the 100's level. BIOL 100, 102, and 103 are intended for non-majors. Students may receive 100's level course credits in biology based on their performance on the Biology Advanced Placement Test of the College Entrance Board Examination.

Students lacking a prerequisite but interested in taking a course are encouraged to discuss obtaining special permission to enroll with the instructor.

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 107 and 108, but majors interested primarily in botany may wish to take BIOL 110 in addition or may substitute BIOL 110 for BIOL 108.

Majors in Biological Sciences must complete at least one course from each of the following three core groups: I: MCB 200, 210, 213, II: EEB 244, 245, III: PNB 250, MCB 259. Majors are urged to complete at least four courses in any

* ARTH 280/280W may be used to fill either the Ancient (group a) or the Medieval (group b) requirement for the major, **but not both**.

** ARTH 278/278W may be used to fill either the Renaissance (group c) or the Non-Western (group e) requirement for the major, **but not both**.

*** ARTH 279/279W may be used to fill either the Modern art (group d) or the Non-Western (group e) requirement for the major, **but not both**.

of the three departments at the 200's level or above that include laboratory work. In addition to laboratory work associated directly with courses, Independent Study (course #299 in any of the three biology departments) will provide majors with a means of gaining specific research experience. A total of 24 credits above the 100's level is required for the major, plus 12 credits above the 100's level in a related field or fields).

Biological Sciences Minor

Students wishing a minor in Biological Sciences must take at least 15 credits of 200's level courses from Biology: EEB, Biology: MCB, and Biology: PNB. It is strongly recommended that at least one course include laboratory or field work. Courses chosen for the minor must include at least one course or course sequence from each of the following three groups:

Group A. Biology: MCB 200, MCB 203, MCB 204, MCB 210, MCB 213, or MCB 229.

Group B. Biology: EEB: 244/244W or EEB 245/245W.

Group C. Biology: PNB 250, MCB 259, PNB 264-265, or PNB 274-275. PNB 264-265 or 274-275 must be taken in sequence to be counted towards the Biology minor.

Environmental Biology Concentration: Students interested in a career in Environmental Biology may wish to follow a program emphasizing ecology and environmental sciences leading to a B.S. or B.A. degree in Biological Sciences with a concentration in Environmental Biology. In addition to satisfying the minimum requirements for the B.S. or B.A. degree, students must take BIOL 107, 108 (or 110) and CHEM 127-128. Students are also urged to take STAT 110, CS 110, and CHEM 243, 244. In satisfying the requirements for a major in Biological Sciences, students are required to take EEB 244, 245 and 293S, either MCB 200 or 213, and either MCB 259 or PNB 250. In addition to these core courses, students must take at least two organism-oriented courses (list I) and two process-oriented courses (list II) from: List I: EEB 200, 201 (or 202), 252 (or 243W or 286), 271 (or 272 or 277), 275, 283, 281(W), 290, 465, MCB 229. List II: EEB 238, 247, 268, 294, 296, GEOG 215, GEOL 220,234, NRME 204, PLSC 250, MARN 280W, MARN 380. The recommended curriculum in Environmental Biology is available in expanded form from the Academic Advisory Center.

Interested students should also review the multidisciplinary Environmental Science major.

Biotechnology Concentration: Students interested in a career in biotechnology are encouraged to follow a program emphasizing biochemistry, microbiology and molecular genetics and leading to a B.S. degree in Biology with concentration in Biotechnology. Students should contact the Biotechnology Program, Biotechnology Center, U-125, University of Connecticut, Storrs, CT 06269-3042 before entering the University or during their first year. It will be difficult to complete the Biotechnology curriculum unless the following courses have been completed by the end of the second semester: English 105, 109, Mathematics 115, 116 (or MATH 112, 113, 114), Chemistry 127-128, Biology 107 and either Biology 108 or 110. The major in Molecular and Cell Biology (see below) is also appropriate preparation for further study in biotechnology.

Biophysics Major

The University of Connecticut is one of a small number of institutions offering an undergraduate major in Biophysics. This B.S. program emphasizes the physical and chemical foundations of molecular biology, and features a course curriculum which is also recommended as a guide to students in other biology majors and to chemistry, physics, and bioengineering majors who wish to take courses in this area. Prerequisite courses are Chemistry 127, 128, Mathematics 115, 116 (or MATH 112, 113, 114), 210, 211, and Physics 131, 132 or equivalent. For the major, the following courses should be taken: Chemistry 243, 244 (or 248, 249), 245, 263, 264, (265 optional), Biology: MCB 204, 208, 209. One or more of the following are recommended for breadth of background: Biology: MCB 210, 212, 213, 226, 229, Chemistry 232, Computer Science 110, 130. Students are encouraged to contact biophysics faculty in the sophomore year or early in the junior year about participating in research programs, as Biology: MCB 292 or 299. Elective courses should be selected in consultation with advisors. Additional information, including names of biophysics faculty advisors, is available from the Department of Molecular and Cell Biology, Room 205 Life Sciences Annex, Room 265 Torrey Life Sciences, or Room 321 Beach Hall.

Ecology and Evolutionary Biology Major

This major is suitable for students with interests in organismic biology, including the fields of ecology, evolution, systematics, botany, zoology, environmental biology, conservation biology, and behavior. Students may opt for either a Bachelor of Science or Bachelor of Arts degree. There are many opportunities for undergraduates to gain research experience through independent study courses individually arranged with departmental faculty members. The department also supports an internationally recognized graduate program leading to the M.S. and Ph.D. degrees.

Prerequisite courses are Biology 107 and Biology 108 or 110, Chemistry 127 and 128, and at least one semester of organic chemistry. Students are encouraged to also complete a course in statistics.

In addition, students must fulfill the following requirements in their major and related areas:

- All of the following courses: EEB 244 or 244W, EEB 245 or 245W, and either MCB 200 or 213.
- At least one of the following: MCB 259, PNB 250, or EEB 296.
- At least one of the following animal diversity courses: EEB 214, EEB 275, or EEB 286.
- At least one of the following plant diversity courses: EEB 203, EEB 227, EEB 271, or EEB 280.
- Students are encouraged to take at least one course relating to fungi, protists, or bacteria.
- It is recommended that students take at least four EEB courses that require extensive laboratory or field work.
- Students must take a total of at least 24 credits of EEB courses at the 200-level or above, which may include courses in any of the above categories.

Ecology and Evolutionary Biology Minor

Students wishing a minor in Ecology and Evolutionary Biology must take at least 15 credits of 200's level (or higher) EEB courses, one of which must be either 244(or 244W) or 245 (or 245W).

Molecular and Cell Biology Major

This B.S. program is suitable for students with interests in biology at the cellular and subcellular level, including the areas of biochemistry, cell biology, developmental biology, molecular genetics, and microbiology, and their applications in biotechnology and medical science.

Many opportunities for independent research projects in these areas are open for undergraduates, and an active graduate program of M.S. and Ph.D. research is available. The following 100's level courses are required: BIOL 107; CHEM 127, 128; MATH 115, 116 or 112, 113, 114; and PHYSICS 131, 132 or 121, 122, 123. Molecular and Cell Biology majors must complete the following core courses: Biology: MCB 200, 204, 210 or 229, and CHEM 243, 244. (Biology: MCB 213 may be substituted for MCB 200; and Biology: MCB 203 and 226 may be substituted for MCB 204, with permission of the Department Head.) In addition, students must take at least two MCB laboratory courses to be chosen from the following: Biology: MCB 214, 215, 220(W), 224, 226, 229 (if not used as a core course in the above list), 233, 235, 240W, 299 (which may be repeated, but only 3 credits may count toward the 24 credits of required MCB courses). For breadth in biology, it is recommended that students take Biology: PNB 250 or Biology: MCB 259, and Biology: EEB 244 or 245. Majors must complete at least 24 credits in Biology: MCB courses. Additional information is available from the Department of Molecular and Cell Biology, Room 205 Life Sciences Annex, Room 265 Torrey Life Sciences, or Room 321 Beach Hall.

Molecular and Cell Biology Minor

Students wishing a minor in Molecular and Cell Biology must take at least 15 credits of 200's level MCB courses, including at least one course from each of the following four groups:

- Genetics group:* MCB 200, or MCB 213
- Biochemistry group:* MCB 204 or MCB 203
- Cell biology group:* MCB 210, or MCB 229
- Molecular genetics group:* MCB 201 or MCB 212 or MCB 217

Department of Molecular and Cell Biology

The Department of Molecular and Cell Biology offers courses and programs of study for students interested in biology at the cellular and molecular level, including the areas of biochemistry, biophysics, genetics, plant and animal cell biology, microbiology, developmental biology, immunology, and biotechnology.

Many opportunities for independent research projects in these areas are open for undergraduates, and an active graduate program of M.S. and Ph.D. research is available.

Physiology and Neurobiology Major

This major, which leads to a Bachelor of Science, 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 100's level courses are required:

BIOL 107, 108; CHEM 127-128; MATH 115-116 or 112-113-114;

PHYS 131-132 or 121-122-123 or 141-142-143

PNB majors must take no fewer than 24 credits in PNB courses numbered 200 and above. These must include all of the following core courses: PNB 250, 251, 262, 274-275. The remaining credits needed to fulfill this requirement should be selected from the available PNB courses, including PNB 225, 263W, 260, 292W, 298, 299. (At most 3 credits from among PNB 292W, 298 and 299 may count towards the 24 credit requirement.)

PNB majors must also take all of the following courses, which count as the related group:

CHEM 243, 244; MCB 204 and either 200 or 213.

In addition, students are urged to take:

CHEM 245; EEB 244 or 244W or 245 or 245W; MCB 210.

Physiology and Neurobiology Minor

Students desiring a minor in Physiology and Neurobiology must take at least 15 credits of 200's level PNB courses including fulfilling the Core requirements of either Group A or Group B, below:

Group A. PNB 274 - 275 (10 credits)

Group B. PNB 250 (3 credits), PNB 251 (3 credits), PNB 263W (3 credits), PNB 262 (2 credits)

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 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 chemistry majors should receive all course counseling from a member of the Chemistry faculty as early as possible, preferably before scheduling first year courses. Prospective majors with a good high school chemistry background should take CHEM 153 and 154 in their first year. Other prospective majors should take CHEM 127-128.

The Department strongly advises Chemistry majors to complete the required four semesters of required calculus including MATH 112, 115 or 120; 116 or 121; 210 or 220; and 211 or 221 by the end of the fourth semester. Failure to do so may delay completion of the degree. In addition, chemistry majors must complete a year of physics, usually Physics 131-132.

Chemistry Minor

Students minoring in Chemistry must take at least 15 credits of 200-level Chemistry courses. The following courses are required:

243, 244, and 245. Organic Chemistry (Laboratory) 9 credits
232. Analytical Chemistry 4 credits

Further, students must take one course from the following list:

210. Inorganic Chemistry 2 credits
263. Physical Chemistry 4 credits
280. Polymeric Materials 3 credits
242W. Advanced Organic Chemistry 3 credits
234Q. Instrumental Analysis 4 credits

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 200 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 243, 244, 245, (Organic), 263, 264, 265 (Physical), 210, 214, 215 (Inorganic) and 232, 234 (Analytical).

Bachelor of Arts

At least 28 credits of Chemistry courses numbered 200 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 215 and 234.

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.

Members of the Department engage in extensive research programs in the areas of experimental and theoretical analytical, biological, inorganic, organic, physical and polymer chemistry. Research activities involve the synthesis and characterization of new solid state materials, development of new analytical methods, including methods for separations and purification, characterization of new and known materials by spectroscopic and other physical methods, synthesis and applications of new materials in catalysis and related areas, and chemistry and photochemistry of organic and bioorganic materials. Undergraduate students are encouraged to participate in research.

Communication Sciences

The Department of Communication Sciences is concerned with the human communication process and its analysis. Courses are offered leading to an undergraduate major in the communication sciences and to 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.

The Master's degree programs in Speech, Language and Hearing are accredited by the Council on Academic Accreditation of the American Speech-Language Hearing Association. The Speech and Hearing Clinic is accredited by the American Speech-Language Hearing Association's Professional Services Board.

The undergraduate programs in Communication Sciences can be classified as follows:

Communication Disorders. The undergraduate major is a pre-professional 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.

Students who elect to major in Communication Disorders must take:

COMS 201, 202, 243, 247, 248, and 250.

In addition, students must take at least two (2) of the following courses:

COMS 245, 246, 249, and 252.

For more information contact the Department office for a copy of *Undergraduate Curriculum in Communication Disorders*.

Communication Processes. The program in Communication Processes is designed to produce students capable of analyzing human communication behavior from a scientific and behavioral standpoint. It emphasizes the empirical investigation of human communication, stressing developments in communication theory and research with a special emphasis on interpersonal, mass, organizational and international communication. Students who elect to take the Communication Processes program must take:

COMS 102 The Process of Communication

COMS 105 Principles of Public Speaking

COMS 231Q Research Methods in Communication

In addition, students must take at least two (2) of the following Core courses:

COMS 205 Interpersonal Communication

COMS 210 Persuasion

COMS 235 Effects of Mass Media

Students who take only two (2) Core courses must take at least three (3) of the

COMS courses listed below; those taking three Core courses must take at least two (2) courses from the following list:

206W	207	208	209	213W	214W	216W
217	218	219	222W	236	226	230
234	237	238	239	297*	298*	

*with advisor's permission

For more information contact the Department office for a copy of *Undergraduate Program in Communication*.

Communication Processes Minor

Students wishing a minor in Communication Processes must take at least 15 200-level credits in COMS courses. Selected courses must include:

1. COMS 231Q or an equivalent course in research methods
2. At least two from COMS 205, 210, and 235
3. At least one from COMS 206, 207, 208, 209, 213W, 214W, 216W, 217, 218, 219, 222W, 226, 230, 234, 236, 237, 238, 239, and, with COMS advisor's permission, 297 and 298
4. Not more than one from COMS 211, 212, 215, 220, and 233

Economics

The program in the Department of Economics serves three groups of students: (1) economics majors; (2) majors in related fields for which economics is a useful supplement; and (3) students seeking a general understanding of economic problems. The Department's course offerings are more general in scope and to an extent more theoretical in content than the courses focusing on agricultural problems (in the Department of Agricultural and Resource Economics) or on business applications (in the School of Business Administration).

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. Topical courses (for example, in the economics of technology or international lending) are also offered from time to time. Majors may also wish to supplement their programs with courses in agricultural or business economics, or economic geography.

Twenty-four credits in 200's level economics courses are required, including two intermediate theory courses (Economics 218 or 218Q, and Economics 219 or 219Q). The intermediate theory courses are open to sophomores and should be taken early in the student's major program. Economics majors are also required to take twelve credits in 200's level courses in fields related to economics, plus STAT 100Q or 110Q and one of the following: MATH 106Q, 113Q, 115Q, 118Q or 120Q. Recommended courses for economics majors include ECON 212 and ENGL 249. The department has special requirements for economics majors in the University Honors and Degree with Distinction Programs and for majors who qualify for the department's Economics Scholars Program. Every major is assigned a faculty advisor to assist in planning an individual program.

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. For more information, contact the department office for a copy of the *Handbook for Economics Majors*.

English

The English Department offers broad and intensive study of literature, language, and the art of writing. Students select their courses with help from their advisors, but those who plan to do graduate work in English should take courses in history, philosophy, fine arts, foreign languages, the English language, and English and American literature of several periods. Students interested in public-school teaching should consult the English Education advisor in the School of Education, and those who intend careers in business, law, medicine, or government service should consult the English Department Advisory Center. All students interested in English should obtain the Department's Course Descriptions booklet.

Among the 24 credits of English courses numbered 200 or above needed for

a major, courses must be selected to fill the following requirements: (1) 210. (2) 230. (3) Two courses from the following, at least one of which must be from the first three in the list: 220/220W, 221/221W, 222/222W, 223/223W, 226/226W, and 227/227W; (4) Either 270/270W or 271/271W. (5) One course from the following: 204, 231, 232, and 264. (6) One course from the following: 218, 233, 234, 266, 276W, 277W, 278, 285, and 286.

English Minor

Students wishing a minor in English must take at least 15 credits of 200's level English courses, including:

1. At least one of English 205 (or English Honors 206 or 253) and English 206 (or English Honors 255 or 256);
2. At least one of English 270 (or English Honors 251) and 271 (or Honors 252); and
3. Any three other 200-level English courses, with the following exceptions: 201, 209W, 220-226, 250, 293, and 297.

Concentration in Irish Literature. English majors may choose to pursue a concentration in Irish Literature. Those interested in this concentration should inform the English Department Undergraduate Advisory Office. Upon declaring their interest, they will be assigned to a major advisor in Irish Literature (Biggs, Hogan, Hufstader, or Jacobus at Storrs). (Students at the regional campuses may wish to request an advisor from the following list: Shea [Hartford], Lynch [Waterbury], Pandit [Stamford], Jones [Avery Point]). 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 University sponsors an academic program at The City University in London. Students take university-level courses in the history of London, British art history, British history, English literature and other subjects in the humanities. Students may get further information in the Department office, JHA 332.

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.

Because of the structure of the curriculum, all *Environmental Science majors* follow similar programs during the first two years. Students should decide before the end of their fourth semester on the concentration they wish to pursue for the remainder of their undergraduate program. The diversity of courses required for this degree mandates that students plan their curriculum carefully to meet the minimum requirements of the school in which they are registered. An appropriate advisor will be assigned at the time a concentration is declared. Undecided students should consult with the Director of the Environmental Science program in either the College of Liberal Arts and Sciences or the College of Agriculture and Natural Resources.

The University of Connecticut offers other means for students to pursue environmental interests, which may be more appropriate than the Environmental Science major for some students. In the College of Liberal Arts and Sciences, majors in Biological Sciences, Chemistry, Geography, and Geology may pursue environmental concentrations within those degree programs. In the College of Agriculture and Natural Resources, the departments of Agricultural and Resource Economics, Natural Resource Management and Engineering, and Plant Science offer majors and options for students interested in the environment. Information about these opportunities may be obtained from the appropriate departments.

Environmental Science majors must pass the following core requirements:

- A. 100's Level Course Work (49-52 credits)
- | | |
|---------------------------------------|---------------------------------------|
| BIOL 107, 108 <i>or</i> 110 | CHEM 127, 128 |
| ECON 112 <i>or</i> ARE 150 | GEOL 102 |
| MARN 170 | MATH 115, 116 <i>or</i> 112, 113, 114 |
| PHYS 131, 132 <i>or</i> 121, 122, 123 | STAT 110 <i>or</i> 220 |

- B. 200's Level Course Work (30-31 credits)

Environmental Policy and Law

Select one course from:

- ARE 234(W) – Environmental and Resource Policy
NRME 240 – Environmental Law

Environmental Economics

ARE 235 – Environmental and Resource Economics

Atmospheric Science

NRME 241 – Meteorology

Terrestrial Systems

GEOL 251 – Earth Surface Processes

Hydrosphere Dynamics

Select one course from:

- EEB 247 – Limnology
GEOL 234 – Introduction to Ground Water Hydrology
MARN 220Q – Environmental Reaction and Transport
MARN 270 – Descriptive Physical Oceanography
NRME 245 – Introduction to Water Resources

Ecological Interactions

EEB 244(W) – General Ecology

Human Impact

GEOG 236 – Human Modifications of Natural Environments

Environmental Health

ANSC 226 – Environmental Health

Chemical and Microbial Reactions

Select one of the following two-course options:

- CHEM 243, 244 (Organic Chemistry)
- CHEM 141 (Organic Chemistry) and MCB 229 (Fundamentals of Microbiology) or MCB 203 (Introduction to Biochemistry)
- CHEM 141 (Organic Chemistry) and GEOL 245 (Introduction to Geochemistry)

In addition to these core 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: all consist of 4 or 5 courses in a specialized field, including a field course or an internship experience.

Resource Economics (Resource Economics, CANR) – Students must pass the following courses: ECON 218(Q), ARE 257, ARE 297. Additionally, students must pass at least two of the following: ARE 238, 255(W), 285, 215C

Environmental Health (Animal Science, CANR) – Students must pass courses in the categories listed:

Molecular and Cellular Biology: Choose any two: MCB 200, 211, 215, 229

Animal Science: Students must pass the following: ANSC 221, 224, 225

Other Departments: choose one of the following: NUSC 236, PATH 200, PATH 297, PHAR 241, PHAR 281, PNB 250(W)

Environmental Chemistry (Chemistry, CLAS) – Students must pass the following courses: CHEM 232Q, 245, 263Q, 264Q, 370

Environmental Biology (Ecology and Evolutionary Biology, CLAS) – All students must take EEB 293S. In addition, they must select at least one course from each of the following groups.

Group I -- Ecological Systems and Processes
EEB 238, 245, 294, 296, 310, PLSC 250

Group II -- Plant Ecology and Systematics
EEB 227, 256, 268, 271, 272, 277, 280

Group III -- Vertebrate Ecology and Systematics
EEB 200, 214, 281, 454, 465

Group IV -- Invertebrate Ecology and Systematics
EEB 243(W), 252, 275, 288

Environmental Geography (Geography, CLAS) – Students must pass the following: GEOG 232, 285W, 286W
In addition, students must pass one of the following courses: 240C, 246C

Environmental Geoscience (Geology, CLAS) – Students must pass the following: GEOL 212, 252, 253

Marine Science (Marine Science, CLAS) – Students are required to complete four courses from the following list, but with no more than two courses from a single group.

Group A: 294, 236, 380, 331, 332

Group B: 280W, 371, 325

Group C: 275W

Group D: 270*, 372, 376

*Students may not use MARN 270 to satisfy both a hydrospheric dynamics requirement and a related area in marine sciences. Students choosing a concentration in marine science should satisfy their hydrospheric dynamics requirement with another course from that group.

Natural Resources (Natural Resources Management and Engineering, CANR) – Students must pass five courses from the following group: NRME 204, 205, 210, 214, 217, 237, 239P, 242, 260Q/260P, 287

Soil Science (Plant Science, CANR) – Students must pass the following courses: PLSC 205, 250, 259C

In addition, students must select two courses from the following: NRME 260Q/260P, PLSC 253(W), 258, 372, 375, 377, 378

Geography

Geography is a field of study that investigates the surface of the earth as the scene of human activity. Because our living environment has its origins in physical processes and human activities, geographers use both natural and social science concepts.

An important feature of the geography major is its strong emphasis on skills and techniques of geographical analysis. Physical geography courses provide instruction in data collection for environmental analysis. In human geography courses, students deal with the characteristics of places and compile and analyze social, economic, and political data. Another set of courses deal with cartography, statistical analysis and geographically based systems for information storage and retrieval. Through an internship program, advanced students practice geography in state and local government and in private industry.

Geography students are prepared to enter a wide range of careers in business, planning, government, and teaching. In private sector firms, geographers select locations for capital investment, determine market or service areas, assess the impact on the environment of proposed changes in land use, and develop effective strategies for planning. At all levels of government geographers work in teams with other disciplinary experts. Many geographers work for Federal mapping agencies, the Bureau of the Census, the Department of State, the U.S. Geological Survey, or other agencies. The undergraduate program also provides students with the background to pursue graduate degrees in geography or related fields such as urban and regional planning. At the University of Connecticut, graduate study in regional analysis and geographic information systems leads to the M.A. and Ph.D. degrees.

Students seeking more information about the geography major and course offerings should contact the Undergraduate Program Coordinator, Department of Geography, Beach Hall.

Requirements for the Major. The geography major requires 24 credits in 200-level geography courses and 12 credits of related course work in other departments. Majors complete a basic core of courses (Geography 200 or 204, Geography 205, and Geography 242Q) and select 15 additional geography credits, including at least one "W" course numbered 280 or higher in consultation with their departmental advisor. Those courses may be broadly selected or may fall into one of three departmental specializations: Geographic Information Systems, Human Geography and Urban-Economic Systems, Physical and Environmental Systems.

Geography Minor

The requirements for the minor in Geography are Geography 200 or 204, Geography 205, and an additional 9 credits of 200-level Geography courses selected in consultation with an advisor to form a coherent program of study.

Geology and Geophysics

Geology is the science of the earth. Integrating principles from biology, chemistry and physics. Geology investigates the processes responsible for creating the Earth as we know it and for the co-evolution of earth and life. The Department of Geology and Geophysics offers students an opportunity to explore these ideas in all of our courses and programs of study. The curriculum is designed to meet the needs of a variety of students from those who wish to broaden their educational backgrounds with a science elective, to those who wish to pursue technical or professional careers in the earth sciences. The Department strives to give students both an appreciation of the natural world and the analytical skills required to investigate environmental problems.

Degree programs include the Bachelor of Science, Bachelor of Arts, Master of Science, and Doctor of Philosophy. At the undergraduate level, the Bachelor of Science degree program introduces students to fundamental geological principles and to basic research. The Bachelor of Arts degree program is designed to give students a broad understanding of the earth sciences. The Department recommends the Bachelor of Science degree program for students planning to attend graduate school and/or pursue professional careers in the earth sciences.

Required course work for the B.S. and B.A. degrees includes completion of the general requirements of the College of Liberal Arts and Sciences as well as the specific requirements listed below. A successful understanding of the geological sciences requires a solid background in the basic sciences and mathematics. The Department, therefore, advises students in both the B.S. and B.A. degree programs to complete the College's B.S. Group 8 mathematics and science requirements during the early stages of their academic careers. Faculty advisors provide valuable assistance in selecting a program of study, and new majors should contact the Department for assignment of an advisor as soon as possible.

Bachelor of Arts Degree

The requirements for the Bachelor of Arts Degree are meant to be very flexible to allow students to put together a program that fits their interests.

Students intending to obtain a Bachelor of Arts degree must take at least 36 credits in courses numbered 200 or above. Twenty-four of these credits must be in courses offered by the Department and 12 must be in courses outside the Department but in closely related fields.

Bachelor of Science Degree

The Department offers two options for students deciding to pursue the Bachelor of Science degree: a geology option and a geophysics option. These options permit students to specialize, but still develop a broad understanding of all the geological sciences. Students are encouraged to select one of these options soon after they declare a major in the Department.

Each option requires at least 48 credits in courses numbered 200 or above in science (including mathematics, engineering, agriculture, and natural resources management and engineering). Twelve of these credits must be from outside the Department.

Geology Option. Geology 102, 250, 251, 252, and 253, and at least 15 additional 200 level credits in Geology and Geophysics.

Geophysics Option: Geology 102, 250, 251, 252, 253, 264, and six additional 200 level credits in Geology and Geophysics; Physics 141-142 or 151-152, 143, and 209-210 or 242-246.

The Department recommends that majors elect courses in accordance with their area of specialization and career goals. Those interested in careers in environmental fields such as hydrogeology, engineering geology, and near surface geophysics can follow either option and select appropriate additional course work in consultation with their advisor.

Geology and Geophysics Minor

The Geology and Geophysics Minor is available to students seeking a Baccalaureate Degree from the University in a department other than Geology and Geophysics. Students wishing to minor in Geology and Geophysics must complete the requirements of either the Geology Option or the Geophysics Option.

The Geology Option consists of the following four courses:

GEOL 250	Earth History	3 Credits
GEOL 251	Earth Surface Processes	3 Credits
GEOL 252	Earth Structure	3 Credits
GEOL 253	Earth Materials	4 Credits

An additional 200-level Geology and Geophysics course, chosen in consultation with the Geology Option minor advisor, must also be completed so that the total number of credits is at least 15.

The Geophysics Option consists of the following four courses:

GEOL 264Q	Physics of the Earth's Interior	3 Credits
GEOL 266Q	The Earth, Moon, and Planets	3 Credits
GEOL 267Z	Geophysical Methods I	3 Credits
GEOL 268Z	Geophysical Methods II	3 Credits

An additional 200-level Geology and Geophysics course, chosen in consultation with the Geophysics Option minor advisor, must also be completed so that the total number of credits is at least 15.

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 zymurgy. Specialization in history is especially valuable as pre-professional training for law, government, diplomacy, and journalism and for library, archival, and museum administration.

Students who intend to major or pursue an interest in history should be prepared to read widely, to examine historical documents carefully, and to evaluate historical interpretations critically. Those who expect to go on to graduate work in history should, besides mastering historical methods, devote serious and early attention to foreign languages, statistical methods of interpretation, and other basic tools of historical scholarship. Students who intend to teach history in the public schools should consult the appropriate advisor in the School of Education.

Honors students who plan to major in history will normally take History 203.

Requirements for the Major in History: Undergraduate majors (including double majors) are required to take at least 27 credits in 200-level courses, 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 211 in the semester following their declaration as majors, and all majors except Honors students must take HIST 297W in their senior year. Students pursuing a joint (not a double) major in history and a related department are required to take at least one course in two of the four groups.

With the consent of the undergraduate major's advisor, 300-level courses may be used to fulfill the distribution requirement.

Group A – Ancient, Medieval, and Early Modern

200, 203, 212, 213, 214, 216, 218, 219, 220, 250, 251, 255, 261, 263, 266, 267, 271, 272, 273, 274, 278, 293, 296, 297, 298, 299

Group B – Modern Europe

200, 203, 206, 208, 209, 210, 225, 226, 228, 229, 251, 252, 254, 256, 258, 259, 262, 264, 269, 279, 291, 293, 296, 297, 298, 299

Group C – United States

200, 202, 207, 227, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 247, 248, 249, 284, 292, 293, 296, 297, 298, 299

Group D – Africa, Asia, Latin America, and Middle East

200, 204, 205, 222, 223, 224, 275, 277, 280, 281, 282, 283, 285, 286, 287, 288, 289, 290, 293, 296, 297, 298, 299

History Minor

Students must pass five courses (15 credits) from at least two Distribution Groups (A-D). One of the five courses must be from the basic courses listed below. At least one of the additional four courses must be in a Distribution Group other than that of the basic course.

Basic Courses

Distribution Group A: 214, 214W, 216, 216W, 220, 271, 272

Distribution Group B: 228, 228W, 229, 229W

Distribution Group C: 231, 231W, 232, 232W, 210, 210W, 215, 215W

Distribution Group D: 204, 205, 222, 223, 281, 282, 287, 288

Four additional courses must be taken from the "Optional List" that follows. One of these optional courses must be in a distribution group other than the distribution group within which the basic course is taken.

Optional List of Courses for the Minor

Group A - Ancient, Medieval, and Early Modern: 203, 212, 213, 214, 216, 218, 219, 220, 250, 251, 261, 263, 266, 267, 271, 272, 273, 274, 278, 293, 296, 297W, 298, any graduate level HIST course

Group B - Modern Europe: 203, 206 (Science 206), 207, 208, 209 (HDFR 279), 225, 226, 228, 229, 252, 254, 256, 258, 259, 262, 264, 269, 279, 291, 293, 296, 297W, 298, 299, any graduate level HIST course

Group C - United States: 210, 215, 227, 230 (Journalism 217), 231, 232, 233, 234, 235, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 248, 249, 284, 292, 293, 296, 297W, 298, 299, any graduate level HIST course

Group D - Africa, Asia, Latin America, and Middle East: 204, 205, 222, 223, 224, 275, 277, 280, 281, 282, 283, 285, 286, 287, 288, 290, 293, 296, 297W, 298, 299, any graduate level HIST course, American Studies 290

Note: History 211 and 297W may also be taken as part of the minor.

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.

Although the department emphasizes print journalism, some courses, such as those dealing with law and history, apply to broadcast journalism as well. Writing courses teach students to report thoroughly, to write clearly and concisely, and to grasp quickly the most important facts in a mass of material. These are skills that are essential to the successful practice of either print or broadcast journalism.

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 Journalism 200, 201, 202, 220 and 230. Journalism 102 is a prerequisite for Journalism 202.

Latin American Language and Area 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 221 (Anthropological Perspectives on Latin America Today), 222 (Peoples of South America), or 227 (Contemporary Mexico), or Caribbean Cultures).

History: One course selected from 281 (Latin America in the Colonial Period), 282 (Latin America in the National Period), or 283 (Hispanic World in the Ages of Reason and Revolution).

Humanities: One course in Latin American literature or art:

SPAN 295 (Spanish-American Literature: the Formative Years), 296 (Great Works of Spanish-American Literature), 297 (Spanish-American Fiction); PORT 236 (Modern Brazilian Literature), 242 (Studies in Brazilian Literature I), 243 (Studies in Brazilian Literature II); ARTH 277 (Art of Mesoamerica), 278 (Colonial Mexican Art), or 279 (Modern American Art).

Political Science: 235 (Latin American Politics)

Latin American Studies: LAMS 290 (Latin American Studies Research Seminar).

Language Requirement

Successful completion of two Spanish 278, 279, 290, or 291 or two of the following: Portuguese 221, 236, 242, 243.

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.

Latin American Studies Minor

The minor in Latin American Studies provides basic, interdisciplinary understanding of Latin America and the Caribbean that supplements a student's undergraduate major. Students minoring in Latin American Studies must complete, with grades of C or better, a minimum of four 200-level courses on Latin America and/or the Caribbean selected from at least three disciplines. At least two of the four courses must be selected from the following:

ANTH 221 (Anthropological Perspectives on Latin America)

ANTH 229 (Caribbean Cultures)

HIST 281 (Colonial Latin America)

HIST 282 (Latin America in National Period)

HIST 283 (Latin America in the Age of Reason and Revolution)

POLS 235 (Latin America Politics)

SPAN 205 (Modern Latin America)

Students minoring in Latin American Studies must also take LAMS 290, the Latin American Studies Research Seminar. Only 3 credits of Latin America-related course work in the student's major department may be counted towards the minor. Students must also complete one 200-level course in Spanish and/or Portuguese with a grade of C or better. Students minoring in Latin American Studies should also consider participating in a study abroad program in Latin America or the Caribbean.

For further information about Latin American Studies, contact the Center for Latin American and Caribbean Studies, Human Development Center, Room 3, (860) 486-4964.

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.

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 200 level from each department is required.

For the **Linguistics and Philosophy** joint major, specifically required courses are Linguistics 206 (Syntax and Semantics) and Philosophy 241 (Language: Meaning and Truth).

For the **Linguistics and Psychology** joint major, specifically required linguistics courses are: LING 202 and 215, and at least two out of LING 205Q, 206Q, 208W, and 244W; and specifically required psychology courses are: PSYC 202Q and 221, and at least two out of PSYC 210W, 215W, 220, 236, 254, and 256. All students in the Linguistics/Psychology Major are strongly encouraged to take LING/PSYC 305 in their senior year.

Linguistics Minor

A minor in Linguistics requires 15 credits of 200's-level course work in linguistics and a related area. Required courses are:

A. Core areas of theoretical Linguistics

LING 202, LING 205Q, and LING 206Q

In addition, students must take at least one course from Group B.

B. Linguistics extensions

LING 208W, LING 215, LING 244W, or LING 299

Finally, students must take a second course from the group in B, or one course from Group C:

C. Linguistics in related fields

ANTH 244, COMS 202, PHIL 211Q, PHIL 241, PSYC 221, or SOCI 212.

Other students interested in Linguistics should consider forming their major group from the courses in linguistics for their related group, as described under "Bachelor's Degree Requirements," item IIa.

Marine Sciences

The Department of Marine Sciences is principally a graduate department which offers programs in the various areas of marine sciences leading to M.S. and Ph.D. degrees. The areas of concentration are biological, chemical, geological and physical oceanography and marine geophysics.

The Department has several undergraduate offerings designed to introduce students to the field of marine science at the Lower Division level.

The Department generally encourages undergraduates to focus their academic studies in a field of science related to the marine sciences (e.g., biology, physics, chemistry, and engineering). The Department offers a suite of courses designed to accommodate related area studies and to provide training in the marine sciences at a level commensurate with undergraduate programs in other natural sciences and engineering. An interdisciplinary major under the academic guidance of the Department is available on a limited basis.

Concentration in Marine Sciences. The Department is associated with the Environmental Science Program, and faculty serve as advisors to students pursuing a concentration in Marine Sciences. Students are required to complete four courses from the following list, but with no more than two courses from a single group.

Group A: 294, 236, 380, 331, 332

Group B: 280W, 371, 325

Group C: 275W

Group D: 270, 372, 376

Marine Biology Minor

A minor in Marine Biology requires at least 15 credits of 200's course work in marine biology and related courses.

Required courses (Group A) are:

A. Cores courses: MARN 260, MARN 294/EEB 294

In addition, students must take at least three of the following courses from Group B:

B. Electives: MARN 236, MARN 331, MARN 332, EEB 200; EEB 275.

Oceanography Minor

Students desiring a minor in Oceanography must take at least 15 credits of 200's level courses including fulfilling the Core requirements.

Required courses (Group A) are:

A. MARN 260; MARN 270, MARN 275W, MARN 280W

In addition, students must take at least one course from Group B:

B. MARN 220Q, MARN 230, MARN 235V, MARN 236, MARN 294/EEB 294.

Mathematics

The Mathematics Department offers programs of study in Mathematics, Applied Mathematical Sciences, Actuarial Science (in cooperation with the School of Business Administration), and Mathematical Statistics (in cooperation with the Department of Statistics). The Department also serves many other groups of students, including majors in Secondary Mathematics Education, Engineering, Statistics, Allied Health Professions, Business Administration, Pharmacy and the Biological, Nutritional and Physical Sciences. Mathematics requirements for students in these groups are stated in this Catalog under the headings of the various schools and colleges of the University.

Students who intend to take Mathematics 115 or 120 must show proficiency in algebra and trigonometry by passing the Calculus Readiness Test in algebra and trigonometry.

Calculus Sequence: The Department has three basic Calculus sequences: Mathematics 112, 113, 114, 210, 211; Mathematics 115, 116, 210, 211; and Mathematics 120, 121, 220, 221. One of these three sequences is required for most advanced courses. Students intending to major in Mathematics or areas needing Mathematics are urged to complete these sequences as early as possible.

The 120, 121, 220, 221 sequence is preferred for Mathematics majors. Mathematics majors should also take Mathematics 213 in their sophomore year.

It is strongly recommended that all Mathematics majors acquire a working knowledge of at least one programming language by the end of their sophomore year.

Mathematics 242W, 247, and 248 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.

Bachelor of Science in Mathematics: The requirements for the B.S. in Mathematics are Mathematics 220 and 221 (or 210, 211 and 227), 213, 215, 216, 273-274, and at least 9 additional credits from any of the following courses: Mathematics 204, 217, 223, 224, 231, 235, 237, 250, 252, 255, 258, 272, 277, 278, 281, 282, 286, and approved sections of 297 and 298. In addition, at least 12 credits at the 200 level in approved related areas are required.

Bachelor of Arts in Mathematics: The requirements for the B.A. in Mathematics are 27 credits of 200-level course work in Mathematics and 12 credits of course work in approved related areas. The required courses are Mathematics 210 and 211 (or 220 and 221), 213, 215, 216, and 273. The remaining credits may come from any 200-level Mathematics courses, except Mathematics 242W, 247 and 248.

Bachelor of Science in Applied Mathematical Sciences: The requirements for the B.S. in Applied Mathematical Sciences are Mathematics 220 (or 210 and 211), 213, 227, 272, 273, 281, and 282, and two courses to be selected from Mathematics 204, 221, 231, 237, 252, 255, 274, 277, 278, and approved sections of 297 and 298, and at least 3 additional credits from Mathematics 215, 216, 217, 223, 224, 231, 235, 250, 258, 286, and approved sections of 297 and 298. In addition, at least 12 credits at the 200 level 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 200's level course work in Mathematics and at least 12 credits in approved related areas. The required courses for the degree are Mathematics 210 or 220, 211 or 221, 215 or 227, 272, 281, and 282. The remainder of the 27 credits of Mathematics must be chosen from Mathematics 204, 213 or 214, 231, 237, 252, 255, 273, 277 and 278.

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 200's level in Mathematics and Statistics (in addition to Mathematics 210 or 220), with at least 12 credits in each department. The required courses for the Mathematics-Statistics major are Mathematics 215 or 227, 211 or 221, and Statistics 230 and 231.

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 200's level in Mathematics, Statistics, Business, and related areas (in addition to Mathematics 210 or 220). The required courses are Mathematics 227 or 215, 231, 211 or 221, 281, 285, 287-288, Statistics 230 and 231, and Finance 221 or 225. Students should include Economics 111 and 112, a Computer Science course, and Accounting 131 in their program of study as early as possible. Admittance to this program is available only to students who meet at least one of the following requirements:

- a total grade point average of 2.75 or higher;
- a total grade point average of 3.0 or higher in Mathematics;
- a passing score on one or more Actuarial examinations;
- acceptance by the Mathematics Department's Actuarial Science Committee.

To remain in the Actuarial Science Major, students are expected to maintain a total grade point average of 2.75 or higher.

Mathematics Minor

The requirements for the minor in Mathematics are Mathematics 210 (or 220), 211 (or 221), 227 (or 215), and at least 6 credits from any of the following courses: Mathematics 204, 216, 223, 231, 235, 250, 252, 258, 273, 281, 286 or approved sections of 298.

In addition, the University requires a grade of C or better in each course in the minor. Also, the student must be seeking a baccalaureate degree from the University in a department other than Mathematics.

Military Science

Under the authority of 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. Army ROTC furnishes uniforms, textbooks, and other related equipment at no expense to the student. The program consists of the basic and the advanced course.

The basic course covers the freshman and sophomore years and includes four one-credit lecture courses consisting of 50 minutes of class time and a leadership lab. Courses focus on many skills like map reading, orienteering, and leadership development. 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. Veterans (including 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 alternative to the basic course requires attending a paid, six-week camp following the student's sophomore year. Interested students should contact the PMS during the third or fourth semester.

Freshmen, sophomores, and students with at least six remaining semesters in undergraduate programs may compress General Military Science I and II, earning up to 4 credit hours, by special arrangement with the PMS.

The advanced course covers the junior and senior years and includes four three-credit courses that meet for three hours per week, plus a leadership lab. The course concentrates on small unit leadership and tactical skills during the junior year, and on the role of an officer in leading, managing, training, and motivating during the senior year. Advanced course students attend a five-week summer camp after the junior year. The camp is designed to develop and evaluate advanced leadership skills. Participation in the advanced course entails 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 \$150 per month. The *Catalog* reflects the normal four year track to commissioning.

Two, three, and four-year scholarships are available to qualified students. These scholarships pay tuition and most educational fees; a book and supply allowance of \$450; a subsistence allowance of \$150; and lab, transcript, and engineering fees as applicable. Criteria considered include academic performance, major, leadership experience and potential, and physical fitness as evaluated through a board scholarship interview. The minimum qualifying GPA is 2.5.

Interested students should visit the AROTC office or call (860) 486-6081/4538.

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, French, German, Italian, Portuguese, 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 200's 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.

Many courses offered by this department are also applicable toward the B.A. and M.A. in European Area Studies and in Latin American Studies.

Classics

The Classics major permits a variety of options ranging from the traditional language-oriented program to a Classical Studies program. Students electing the major must complete a minimum of 8 courses from the following list, including:

- At least two courses involving reading in Greek and/or Latin: Classics 207, 208, 211, 212, 213, 214, 215, 221, 224, 225, 226, 227, 230, 231, 232, 293, * 298, * 299.*
(*May count toward major only with consent of advisor.)
- At least one writing course on Classical literature in English: Classics 241W, 242W.
- At least two other courses dealing with the ancient world (cross-listed under Art History, History, and Philosophy): Classics 251, 252, 253, 254, 255, 256, 257, 293, * 298, * 299.*
(*May count toward major only with consent of advisor.)

Classics Minor

The minor in Classics allows students to pursue an interest in Greek and Latin Literature, History, and Art through an organized course of study. Those students who wish to work in the original language may elect to do so as well. Students electing the minor must complete a minimum of 15 credits from the following list, including:

- Two courses on Classical or Biblical literature in English (a second course from C may be substituted for any of these):
Classics 241W, 242W;
- At least one course dealing with the ancient world (cross-listed under Art History, History, and Philosophy):
Classics 251, 252, 253, 254, 255, 256, 257, 293*, 298*, 299* (*May count toward minor only with consent of advisor);
- At least one course involving reading in Greek and/or Latin: Classics 207, 208, 211, 212, 213, 214, 215, 221, 224, 225, 226, 227, 230, 231, 232, 293*, 298*, 299* (*May count toward minor only with consent of advisor).

French

Students majoring in French must complete the following courses: 210 and 211, 261 and 262, 268, 272 and two from 218, 220, 221, 222, 223, 224, 230, 231, 232, 233, 234, 235, 257, 280, 281, and 282. Each major is advised to complete a Senior Seminar. No more than 15 credits earned at Paris may count toward the major.

Study Abroad in France. 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 non-literary courses whenever possible.

While in Paris, students may take the equivalent of most of the courses offered in the Liberal Arts and Sciences at the University of Connecticut. Please contact the director of the Study Abroad Program or the French Studies Program at 486-3313 or 486-3258 for detailed information.

French Minor

The minor in French will offer to students who arrive at UConn with no background in French the opportunity to pursue advanced studies in language, literature, and culture of the French-speaking world. Fifteen credits of French will be required for the minor. These are the courses a student pursuing the minor in French must complete:

- One of the following: French 210, 211
- One of the following: French 268, 269
- Both of the following: French 261, 262
- One of the following: French 217, 218, 221, 223, 224, 280, 281.

German

Students majoring in German have a choice between a concentration in German literature or German studies. For the major in literature the following courses are required: 1) 233, 234; 2) three from among the following literature courses: 252, 253, 254, 255, 293 (on a literary topic), 296 (on a literary topic), and 298 (on a literary topic); 3) two from 200, 231, 232, 243, 244, 271, 281, 285, 293 (on a non-literary topic), 296 (on a non-literary topic) and 298 (on a non-literary topic); and 4) one of the following courses taught in English: 251 or 280W. (Only one course taught in English is allowable toward the literature major.)

For the major in German studies the following courses are required: 1) 233, 234, 251; 2) four from 200, 231, 232, 243, 244, 271, 280W, 281, 285, 293 (on a non-literary topic) and 296 (on a non-literary topic) and 298 (on a non-literary

topic); 3) one of the following literature courses: 252, 253, 254, 255, 293, (on a literary topic), 296 (on a literary topic) and 298 (on a literary topic). (Only two courses taught in English are allowable toward the German studies major.)

The 12-credit related group requirement may be met by appropriate courses in other foreign languages as well as English, History, Economics, Political Science, and other departments. For students interested in international business, combinations with Marketing or Management courses are also possible.

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 220, 221, and 222 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. For detailed information please see any member of the German faculty.

German Minor

The minor in German allows students to develop knowledge and skills in the areas of German language, literature, and culture through a coherent course of study. Students electing this minor must complete a minimum of 15 credits at the 200 level distributed across the following categories:

1. Language skill courses: students must choose 2 of the following 6 courses: German 231, 233, 234, 243, 244
2. Content Courses (in literature, film, culture, etc.): students must choose 2 of the following, or they may substitute three 1-credit Linkage Through Language courses in German for one of the following 3-credit courses:
German 252, 253, 254, 255, 281, 285, 293, 296, 298 (if taught in German)
3. Courses in English: students must choose one of the following:
German 251, 280W

Italian

Students majoring in Italian must complete a minimum of 8 courses (the equivalent of 24 credits) to be chosen among the following: 237, 238, 239, 240, 243, 244, 245, 246, 247, 249, 250, 251, 252, 253, and 254. No more than 15 credits earned in Florence may count toward the major.

Study Abroad in Italy. Students participating in the "Florence Study Program" may earn up to 30 credits during the academic year they spend in Florence; participants register at the University of Florence where they may take courses in any discipline. The Program also offers courses designed exclusively for its participants and taught by Italian professors. No more than 15 credits taken in Florence may count toward a major in Italian at this University. For detailed information, please see the director of the "Florence Program."

Italian Minor

The minor in Italian requires at least 18 credits in 200 level Italian courses as specified in the Catalog. All of the courses listed below require Italian 145, 146, 147, 148, or the equivalent, as prerequisites, but these courses do not count towards the Minor. The following are the courses a student pursuing the Minor in Italian to complete:

- A. One course in composition and conversation: Italian 239 or 240.
- B. Both of the following: Italian 243 and 244.
- C. Two courses from the following: Italian 245, 246, 250, 251, 253, 254.
- D. One course from the following: Italian 237, 238, 260.

Portuguese

The Portuguese major consists of a minimum of 24 upper-division credits in Portuguese and a minimum of 12 upper-division credits in a related field. The major allows the student to develop knowledge and skills in the areas of Portuguese language, the 6th most widely spoken in the world; literature; and culture, through a coherent course of study.

Portuguese Minor

The minor in Portuguese allows the students who come to college without a background in Portuguese to pursue an interest in the language, literature, and culture of the Portuguese-speaking world in an organized course of study. Eighteen credits are required. Students electing the Minor must complete:

- A. Portuguese 220, 221, 251
- B. One of the following Portuguese courses: 234, 270
- C. One of the following Portuguese courses: 237, 240, 241
- D. One of the following Portuguese courses: 236, 242, 243

Spanish

1. The Major Group. Spanish courses comprise two main groups: A. Literature. B. Language and Culture.

- A. At least 4 courses must be taken from the literature group: 202, 207, 208, 209, 220, 223, 224, 225, 226, 281, 282, 292, 294, 295, 296, 297.
- B. At least 2 courses must be taken from the language-culture group: 200, 201, 204, 205, 206, 208, 210, 270, 279, 290, 291; 293 (Foreign Study) may be counted in either group depending on course content.

2. Related. The "related" requirement is not a "minor." Students can satisfy it by any combination of four courses, ranging from all in one department to one each in four different departments. A course may be "related," either as language or as culture. The language group includes any language or literature, English or foreign, other than Spanish; linguistics; and some courses in Speech and Communications. The culture group includes all courses in the Social Sciences and the Fine Arts whose major content or whose principal examples relate to the culture of Spanish or Portuguese speaking peoples.

Study Abroad in Spain and Latin America. Courses taken abroad in the programs operated by UConn in Granada, Spain or Puebla, Mexico will count toward the Spanish major as follows:

- A. Students may take all 4 courses in the related group abroad.
- B. A maximum of 4 courses, or 12 credits taken abroad may be counted toward the major. Additional Spanish courses taken abroad will count as credits toward graduation but not toward the major.
- C. Courses taken abroad in other subject fields will generally count as UConn credits in those fields, regardless of the language of instruction.

Programs are also available in Argentina, Chile, and the Dominican Republic for advanced Spanish language students.

Spanish Minor

The minor in Spanish is intended for a student who wishes to pursue further the study of the literature, language, and culture of the Spanish-speaking peoples in an organized course of study. The minor requires passing 18 credits at the 200's level as follows:

- A. One course in composition 278, 280, or 291;
- B. Two survey literature courses: 281, 282, 295, or 296;
- C. Two courses from the following: 202, 207, 208, 209, 223, 224, 225, 297, or 292; and
- D. One culture course from the following: 200, 201, 204, 205, 206, or 290

At most, six credits from a Study Abroad Program may count towards the Minor.

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. The department publishes a directory of courses each term that gives fuller information on its offerings, including special topics sections and advanced courses.

Students majoring in philosophy must earn 24 or more credits in philosophy courses numbered above the 100's level, and 12 or more credits in related fields. Within the 24 credits in philosophy, students must pass Philosophy 221 and 222, and at least two of the following four courses: Philosophy 210, 211, 212, and 215.

The Philosophy Department also offers, with the Linguistics Department, a joint major in Philosophy and Linguistics. Students choosing this concentration must earn 12 credits or more at the 200's level from each of the two Departments. Within the total of 24 credits, students must pass both Philosophy 241 and Linguistics 206.

Physics

The instructional program of the physics department is organized to help undergraduates develop the understanding and expertise that is crucial for anyone planning a career in physics, or in a physical science or engineering program. It is also intended to provide significant educational opportunities for the University's entire student community. The main curricular objectives of the program include:

- Introducing students to the body of natural laws with which much of the behavior of the physical universe can be predicted and understood.
- Developing familiarity with the powerful concepts of mathematical analysis necessary for the construction and application of physical theories.
- Training in the use of sophisticated and accurate apparatus specifically designed to discover the physical attributes of matter; and instruction in the proper interpretation of the data obtained in experimental investigations.

Undergraduates choose from among a variety of courses, some of which are primarily of interest to those majoring in the physical sciences or in mathematics. Others are more suitable for students who would like to be familiar with both the principal methods and results of physical inquiry, or who intend to pursue physics courses in fulfillment of requirements for further professional or graduate study.

The College of Liberal Arts and Sciences offers the Bachelor of Arts as well as the Bachelor of Science degrees with a major in Physics. The requirements for these two degrees, and the objectives of the corresponding degree programs, are quite different. For that reason it is essential that prospective students read this section on the physics department's curriculum in conjunction with the general description of the college's degree requirements. The Bachelor of Science degree has been designed to provide talented and disciplined students an opportunity to receive a professional education in the natural sciences. This education should enable well qualified graduates to succeed in further advanced study in any graduate program in physics, or else to help them find satisfying employment in technologically oriented industries.

The requirements for the **Bachelor of Science** degree in physics consist of the common distribution requirements for the Bachelor of Science degree. In addition, 36 credits of physics courses numbered 200 or above are required, and these must include Physics 230, 242, 246, 255, 257, 258-259, 261-262 and 271. Also, 12 credits from a related group numbered 200 or above are required. Besides the second-year calculus courses, which are prerequisites for most physics courses, mathematics courses such as differential equations for applications, linear algebra, complex variables are recommended for the related group; however, other courses closely related to physics can be taken to fulfill the related group requirements. The Bachelor of Science program makes provisions for a year of introductory quantum mechanics in the student's junior year and allows for graduate courses, for other advanced courses, and for the opportunity to participate in undergraduate research in the senior year. The physics faculty has an important professional commitment to a continuing research effort. That effort consists of experimental studies of new physical phenomena; and of mathematical investigations that formulate, or explore the implications of tentatively proposed physical theories. This research constitutes one of the faculty's major professional responsibilities, and is the arena in which much of the training of graduate students take place. Advanced undergraduates are also encouraged to participate in this research. The physics department has an extensive research program that includes experimental work in atomic and molecular beam collision spectroscopy, nuclear magnetic resonance, electron spin resonance, color centers, laser spectroscopy, ion implantation in solids, photoemission spectroscopy, magnetic susceptibility, phonon interactions and transport properties in solids, surface physics and nuclear physics. In theoretical physics active programs include atomic and molecular physics, solid state physics, chemical physics, nuclear physics, quantum field theory and elementary particle theory, the theory of relativity, and quantum optics. Students can choose to work with any of these groups to the extent to which their interests and abilities are matched to the opportunities available at any given time.

The requirements for the **Bachelor of Arts** degree in physics consist of the distribution requirements for that degree, and 24 credits of physics courses above the 100 level, including Physics 242, 246, 255, 257 and 4 credits of laboratory work. The Bachelor of Arts degree in physics is ideally suited for students interested in combining a study of physics with other subjects, or for those intending to major in physics as a preparation for further professional studies, such as medicine, law, etc.

The physics department makes a number of introductory physics courses available to students with diverse interests and career goals. The two year sequence, Physics 141-142-143-230 is the most appropriate choice for physics majors and for students who need an exceptionally strong preparation in physics.

This sequence covers the introductory material in two academic years, although it does so with greater depth and sophistication than any other introductory physics course available in this department. Physics 131-132 is a calculus-based introductory course that covers the necessary introductory material in a single academic year. It will be particularly useful for many science majors and for pre-medical, pre-dental and pre-veterinary students. It will be assumed that students who choose Physics 131-132 are comfortable with algebraic and trigonometric manipulations and that they can carry them out accurately, purposefully and with confidence. Physics 121-122 is an option without a calculus pre- or corequisite and demands lesser mathematical skills from its students than Physics 131-132, but it still satisfies the formal physics requirements for admission to medical, dental, or veterinary schools. It has traditionally been particularly useful to students in the health service professions allied to medicine. Some students will want to supplement Physics 121-122 with further work in Physics 123, 125 or with Physics 209-210. Physics 151-152 is an introductory physics course designed to fit optimally into the curriculum of the School of Engineering. Physics 101 is a one semester introductory course that makes less use of mathematics than Physics 121-122, so that it becomes accessible to students for whom a one year introductory course might not be a viable choice. Physics 103 is a one semester course that applies elementary physical principles to a study of usable energy and environmental quality. It is the only 100-level course without a laboratory portion and is not considered a bona fide introductory physics course. Physics 107 is a one semester course that applies basic principles of physics and scientific reasoning to a study of the production and perception of music.

It is strongly recommended that students with any interest in physics, either as potential majors or otherwise, consult with a member of the physics faculty as early as possible, preferably before scheduling their first year courses.

Students interested in biophysics can either take a physics major program and include biology (biophysics) courses, or they can take the biophysics major program as described under Biology. Similarly, students interested in geophysics can take a physics major program and include Geology 264, 266, 267, and 268, or they can take a geophysics program as described under Geology and Geophysics.

Political Science

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

Students majoring in Political Science must take introductory 100-level courses in three of the following four subdivisions: Theory and Methodology (106), Comparative Politics (121 or 143), International Relations (132), and American Politics (173). These courses should be taken during the student's first two years of study.

All majors in political science must distribute their major courses in at least four of the following five subdivisions.

- I. Theory and Methodology: 201, 202, 204, 206W, 207, 291
- II. Comparative Politics: 203W, 228, 229, 230, 231, 235, 236, 237, 239, 240, 244
- III. International Relations: 210, 211, 212, 215, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227
- IV. American Politics: 241, 242, 246, 263, 270, 274, 275
- V. Public Policy and Law: 251, 252, 253, 255, 260, 264, 276, 278

Political Science 296 and 298 may not be counted toward this distribution except with consent of advisor.

No more than 6 credits of independent study (POLS 299) or field work (POLS 297), or a combination of the two, may be counted toward the 24 credit requirement for the major, except by permission of the Department Head.

Political Science Minor

Students must complete one introductory 100-level course selected from among POLS 106; 121 or 132; 143; or 173. At least one additional 100-level course is recommended. Students must complete at least 15 credits of course work at the 200's level (or higher, with consent of instructor and minor advisor). Political Science 297 and 299 may not be counted toward the minor. Courses must be selected from at least three of the five disciplinary subdivisions.

1. Theory and Methodology: 201, 202, 204, 206W, 207, 291
2. Comparative Politics: 203W, 228, 229, 230, 231, 235, 236, 237, 239, 240, 244
3. International Relations: 210, 211, 212, 215, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227
4. American Politics: 241, 242, 246, 263, 270, 274, 275
5. Public Policy and Law: 251, 252, 253, 255, 260, 264, 276, 278

The Department publishes a detailed course description booklet each semester.

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. In addition, all majors should try to include some course work involving experiments in their programs. The Department encourages Upper Division students to take laboratory courses, research seminars, and to participate in the research activities of the Department. Students can obtain general information about the major (including information about courses taught by particular department faculty; how to get involved in research activities) from *The Psychology Guide*, a brochure that is available in WAB 108B.

The Department advises students planning to major in psychology to secure a background in the basic sciences and relevant social sciences, preferably before the junior year. Suggested courses include Biology 100, 102, or 107; Anthropology 106 or 220; and Sociology 107. If at all possible, majors should take Statistics 110 (or 100) by their third semester.

The following core curriculum is required of all Psychology majors.

Group I. Foundation. Both courses: Psychology 202Q and 291. The discontinued course, Psychology 201Q, will substitute for Psychology 202Q where appropriate.

Group II. Social and applied science perspectives. Two courses chosen so that two of the following four areas are represented: (a) Developmental Psychology 236; (b) Social Psychology 240; (c) Personality 243 or Abnormal Psychology 245; (d) Industrial Psychology 268.

Group III. Natural science perspective. Two courses chosen so that two of the following four areas are represented: (a) Learning and Cognitive Psychology 220 or 256; (b) Psychology of Language 221; (c) Animal Behavior and Physiological Psychology 253 or 257; (d) Sensation-Perception 254.

Students should discuss with their advisors what other major courses they should take, as well as the fulfillment of related and unrelated requirements. Majors should also consult *The Psychology Guide*.

Students who wish to receive a Bachelor of Science degree with a major in Psychology must do the following: (1) satisfy the general Bachelor of Science requirements, and (2) satisfy a modified version of the major requirements for Psychology. In the modified version, the major requirements are expanded such that (i) three courses must be taken from Group III of the core curriculum, and (ii) two laboratory courses must be taken. Laboratory courses include Psychology 210W, 215W, 242, 244, 263, and 267.

Psychology Minor

The requirements for the Minor in Psychology are at least 16 credits of 200 level Psychology courses that include

1. PSYCH 202Q (4 credits)
2. **one** course (3 credits) representing the Social and Applied Science Perspectives: PSYC 236, PSYC 240, PSYC 243, PSYC 245, PSYC 268, or PSYC 281
3. **one** course (3 credits) representing the Natural Science Perspective (PSYC 220, PSYC 221, PSYC 253, PSYC 254, PSYC 256 or PSYC 257, **and**
4. an **additional two elective courses** (6 credits) of any 200-level Psychology courses not used to meet the above requirements, with the exception that no more than three credits of PSYC 294 and PSYC 297 combined may be counted toward the minor. Other than PSYC 202Q, the courses comprising the minor should be selected in consultation with the student's major advisor to comprise a coherent program relevant to the student's academic and/or career interests and objectives.

Puerto Rican and Latino Studies

The Institute for Puerto Rican and Latino Studies 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.

Although not offering a degree program, the Institute does offer a track in Latino Social Science Studies at the undergraduate level as well as several graduate courses, primarily in the fields of public opinion, communication sciences, political science, education, history, anthropology, and family studies. These offerings, whose common thread is Puerto Rican/Latino identity interwoven with a comparative analysis of ethnicity, gender, and class, are designed to reflect individual student interests or complement his or her major.

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.

Puerto Rican/Latino Studies Track

The track in Puerto Rican/Latino Studies enables students, regardless of their major or minor, to develop an understanding of an important but often neglected segment of U.S. society and culture. This program provides an interdisciplinary base to students interested in acquiring general and specific knowledge of Puerto Rican/Latino society and culture as a supplement to a variety of possible undergraduate majors.

Students wishing to specialize in Puerto Rican/Latino Studies are required to take 12 credits from the following courses:

- PRLS 295 - Variable topics in Puerto Rican and Latin American Studies
- PRLS 298 - Special Topics in Puerto Rican and Latino Studies
- PRLS 241 - Latin American Minorities in the United States

Please note that PRLS 295 and 298, since their topics change from semester to semester, 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.

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 organization, 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.

Students from all programs and colleges are encouraged to elect courses in sociology. A major in sociology opens many doors for careers and is excellent background for advanced training in a variety of other fields. Four courses are required of all majors: Sociology 205, 230, 270, and either 268, 269, or 260. The remaining 12 credits of 200-level sociology courses, with the guidance of a faculty advisor, may be chosen either freely or from one of five areas of sub-concentration: Social Science Background for Careers in Social Services (social work, health care, teaching, counseling); Background for Careers in Business, Management, Advertising, and Personnel; Background for Careers in Law and Public Policy; Background for Careers in Urban Affairs and Community Development. Sociology majors interested in careers in criminal justice are advised to complete program requirements for the University's undergraduate Certificate in Criminal Justice. The *Handbook for Majors in Sociology*, available in the Department of Sociology, contains lists of courses in these sub-concentrations

and other information about the major program in sociology.

The sociology faculty represents a diversity of academic interests and can accommodate students with plans of Independent Study, Honors Credit, Field Experience, Foreign Study, and the University's program for a Degree with Distinction.

Statistics

The Department of Statistics offers work leading to undergraduate and graduate degrees in theoretical and applied statistics. In addition the department offers courses in statistical methodology for nonmajors.

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 200 level in statistics, including STAT 230 and 231. MATH 215 or 227 and CSE 110 or 130 are strongly recommended. Since STAT 230 has MATH 210 or 220 as a prerequisite, students should begin the calculus sequence as soon as possible.

The mathematics-statistics major requires a total of 36 credits at the 200-level in mathematics and statistics (in addition to MATH 210 or 220), with at least 12 credits in each department. The required courses in the mathematics-statistics concentration are MATH 215 or 227, and 211 or 221, and STAT 230 and 231.

Statistics Minor

The minor in statistics requires at least 15 credits at the 200-level. Students must choose one of three options:

Track I. STAT 201, 230, 231, 261, plus one course from the *Optional List* below.

Track II. STAT 201, 220, 261, plus two courses from the *Optional List* below.

Track III. STAT 201, 242, plus three courses from the *Optional List* below.
Optional List of Statistics Courses: STAT 235, 242, 243, 252, 253, 271, 272, and 280.

Students who have passed MATH 114, 116, or 121 and also MATH 210 or 220 are strongly advised to take Track I. Students who have passed only MATH 114, 116, or 121 are strongly advised to take Track II. Students whose mathematics background is below MATH 114 level or its equivalent should take Track III.

At the graduate level, the statistics department offers work leading to M.S. and Ph.D. degrees.

Students without mathematical background who wish some skill in statistical methodology should take STAT 110 followed by 201. Students interested in the statistical analysis of business and economic data should take Statistics 100 followed by 201. Students with the appropriate calculus prerequisite should take STAT 220 rather than STAT 110 or 100 and 201. STAT 242 and 243 are appropriate continuations for each of these three introductory sequences. Students interested in statistics as a mathematical discipline should complete STAT 230-231.

Credit restrictions: 100-level statistics courses are not open for credit to students who have passed a 200-level statistics course or who are taking such a course concurrently. Students can receive no more than four credits from STAT 100 and 110.

Urban Studies

The undergraduate major in Urban Studies is a multi-disciplinary program which is broadly based in the Social Science departments of the College of Liberal Arts and Sciences. In general, the focus of the courses is on the development of metropolitan areas and on urban based phenomena. The intent of the program is to ensure the student a broad perspective on cities by exposure to a variety of approaches to their study as illustrated by courses drawn from Anthropology, Economics, Geography, History, Political Science and Sociology. In addition, students majoring in these disciplines may find work in Urban Studies an appropriate related group to complete their field of concentration requirement. The range of choice open to students is considerable and permits students to construct a plan of study with any of a variety of emphases.

Students majoring in Urban Studies are required to complete 24 credits in the major. Courses may be selected from those listed below in accordance with the following guidelines:

- I. Core Courses: Students must select a minimum of 4.
- II. Methodology: Students are required to take 1 such course
- III. Supporting courses: the 3 remaining courses may be elected from:
 - a. additional courses from Groups I and II

- b. courses listed under Group III
- c. independent study courses (299) in the individual departments which are related to Urban Studies.

IV. No more than 4 courses from any one department may be used to fulfill the major requirement.

Group I – Core Courses

Urban Studies 230 – Introduction to Urban Studies
 Anthropology 248 – Urban Anthropology
 Economics 259 – Urban and Regional Economics *or* Economics 253 – Public Finance
 Geography 233 – Urban Geography
 History 241 – History of Urban America
 or History 238 – History of Black Americans
 Political Science 263W – Urban Politics
 or Political Science 274 – State and Local Government
 Sociology 280 – Urban Sociology
 or Sociology 283 – City Life

Group II – Methodology Courses

Economics 212Q – Empirical Methods in Economics I
 Geography 242Q – Quantitative Methods in Geography
 Interdepartmental 240 – Social Science Data Utilization
 Political Science 291V – Quantitative Analysis in Political Science
 Sociology 205 – Methods of Sociology
 Sociology 207Q – Quantitative Methods in Social Research

Group III – Supporting Courses

Urban Studies 231 – Internship in Urban Studies
 Economics 257 – Economics of Poverty
 Geography 231 – Location Analysis
 Geography 280W – Geographical Analysis of Urban Social Issues
 History 242 – The Worker in American Society
 History 246 – The Black Experience in 20th Century America
 Interdepartmental 211 – Seminar in Urban Problems
 Political Science 260 – Public Administration
 Sociology 281 – Urban Problems
 Sociology 282 – Urbanization
 Independent Study in Urban Studies

Students interested in pursuing a program in Urban Studies should think in terms of completing 100-level courses in the various social science areas as prerequisites to the courses in the Urban Studies Program. They should also plan on enrolling in Urban Studies 230 (Introduction to Urban Studies) as early as possible. Prospective students wishing more information are invited to contact Peter Halvorson, Director, Urban Studies Program, Room 436, Beach Hall.

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 international 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.

Full descriptions of course offerings in Women's Studies and related departments are available from the Women's Studies Program, 354 Mansfield

Road, Beach Hall, Room 421.

Core Courses

Students are required to take the following Core Courses:

- One 100 level Prerequisite Course: WS 103, WS 104, or WS 124
- WS 265 – Women’s Studies Research Methodology
- Philosophy 218 – Feminist Theory
- WS 261/262 – Women’s Studies Internship Program
- WS 289W – Senior Seminar in Women’s Studies.

Supporting Courses

Students are required to take *five* Supporting Courses.

Two courses must be taken from **Group One** which comprises courses on women and gender taught in other departments.

- COMS 226 or WS 268
- ECON 279
- ENGL 227 (specified sections), 264 (appropriate authors), 267 (appropriate themes), 268W (appropriate authors), 285, 286
- FREN 280
- HDFR 250, 259, 260, 270, 271, 272, 279
- HIST 209, 266
- POLS 204
- PSYC 246
- SOCI 241, 252 or 252W
- SPAN 207, 224 (appropriate sections)
- WS 217/ENGL217
- WS 231/ANTH 231

Three courses must be taken from **Group Two** which comprises courses with Women’s Studies numbers and their cross-listed departmental equivalents.

- WS 210 or History 210
- WS 215 or History 215
- WS 203W or Political Science 203W
- WS 263, 264, 266, 267, 268, 269, 270, 278, 298, 299
- WS 290 or ARTH 290

Note that special topics courses with Women’s Studies content are offered from time to time in various departments and may be applied to the major with approval of the Program Director.

Students must take an additional 12 credits at the 200 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.

Women’s Studies Minor

Students may also earn a minor in Women’s Studies:

Course Requirements

Fifteen hours of course work in Women’s Studies courses or cross referenced courses, of which one course may be at the 100 level.

Not more than two courses may be counted toward both the minor and the major. Not more than 6 credits for the Women’s Studies Internship Program may be applied to the minor.

Alternative Areas of Study

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 Hebrew (Modern and Classical Languages), History and Sociology. Students may major in Judaic Studies through the College of Liberal Arts and Sciences Individualized Major. For further information about current courses you are invited to contact Arnold Dashefsky, Director of the Center for Judaic Studies and Contemporary Jewish Life, Department of Sociology; or Stuart S. Miller, Associate Director, Hebrew and Judaic Studies, Department of Modern and Classical Languages.

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.

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. For further information contact Robert Bee or Kevin McBride, or write to Native American Studies at U-158.

Peace Studies. Peace Studies is dedicated to the academic investigation of issues relating to war and peace, conflict and conflict resolution, social and economic justice, and global security. Students may major in Peace Studies through the Individualized Major program of the College of Liberal Arts and Sciences. Interdepartmental courses in Peace Studies as well as established courses in the departments of the University, may be combined in various ways in order to constitute a major.

Law. Students who hope to enter a law school should seek to establish an undergraduate record of broad intellectual accomplishment. No specific undergraduate courses or programs of study are required. The Law School Admission Test, the student’s scholastic record, and recommendations are the basic considerations used by law schools in determining admissions. The Pre-law Advisory Committee may be consulted for advice and students who apply to law schools for admission should register with the secretary of the committee and I.R. Davis (Chairman).

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 program.

Students should plan to take courses in general and organic chemistry (one year of each), physics (one year), biochemistry, genetics, and physiology prior to taking admissions tests (e.g. MCAT or DAT). Students are strongly advised to take admission tests in April of their junior years and 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 Center during the fall of 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://predator.pnb.uconn.edu/PreMedwww/Premed.html>

or contact advisors at premed@oracle.pnb.uconn.edu or by phone (860) 486-5415.

Minors

The College of Liberal Arts and Sciences offers minors in many areas for matriculated students. A minor is an option for students who want an academic focus in addition to their major. An approved minor plan of study must be submitted to the Registrar’s Office.

For departmental minor requirements, see the appropriate departmental section preceding this section. The following list contains the names of all minors currently available:

American Studies

The minor in American Studies will promote an interdisciplinary understanding of American societies and cultures. Students will study the complex economic, political, and cultural structures at the root of the societies of the Western Hemisphere, from the first immigrations across the ice bridge from Siberia, to the colonization of the Americas by Europeans, to the present day. Students will also study contemporary issues of ethnicity, gender relations, and environmental awareness, and learn how literacy and visual artists have articulated contemporary cultural concerns.

Students who wish to minor in American Studies must complete eighteen credits, including three required courses:

Introduction to American Studies, American History 231, and American History 232. They must then choose a “track,” a series of related, 200-level courses within a broad area of study; students must complete three courses within this track in order to attain the minor. These courses may be used to fulfill a student’s “related” course requirement; however, a student may not use American Studies courses to fulfill simultaneously the requirements of his or her major field and the requirements of the minor.

To insure focus, a student must provide a rationale for his or her track and course choices and must have the Minor Plan of Study signed by the Director of the American Studies Program.

Anthropology. See the Anthropology entry.

Biological Sciences Minor. See the Biology entry.

Chemistry, See the Chemistry entry.

Classics, See the Modern and Classical Languages entry.

Communication Processes, See the Communication Sciences entry.

Criminal Justice

The purpose of this minor is to provide in-depth study of topics in criminal justice and to offer preparation for possible careers within the criminal justice system. It is posted on the final transcript, supplemental to a major and available only to matriculated students within the University of Connecticut. A maximum of three credits in the minor can be part of a major; 12 to 15 credits can constitute the related area courses. A minimum of a C average in the 18 credits must be earned to earn the minor.

Course Requirements

A total of 18 credits from the following courses:

1. Three required courses (Nine credits):
 POLS 255 Politics of Crime and Justice
 SOCI 216 Criminology
 PSYC 245 Abnormal Psychology
2. One Course (Three credits) from the following:
 POLS 297 Supervised Field Work (in a criminal justice agency or program)
 SOCI 296 Field Experience (in a criminal justice agency or program)
 SOCI 340 Seminar in Criminal Justice (for GPA qualified seniors)
 HDFR 288 Supervised Field Experience
 PSYC 294 Field Experience
 Students who are employed full time within a criminal justice setting may have the Group II requirement waived by their Criminal Justice Advisor when employment is documented by their supervisor.
3. Two courses (Six credits) from the following list: HDFR 266, 276, 284; PHIL 226; POLS 252, 254, 260, 274; 299 (on a criminal justice topic); PSYC 202Q, 240, 243, 256; SOCI 217, 218, 218W, 219, 243, 244, 285, 299 (on a criminal justice topic), 340 (GPA qualified students); WS 263.

Ecology and Evolutionary Biology, See the Ecology and Evolutionary Biology entry.

English, See the English entry.

European Studies

The minor in European Studies (ES) allows students to pursue an interest in social, historical, political, and cultural aspects of Western Europe or to pursue a topic, such as environmental protection or cultural identity, that cuts across regions. Students electing this minor must complete a minimum of 18 credits at the 200 level distributed across the following categories:

1. One required course: History 229
2. Three courses distributed across three of the following four disciplines: Economics 201 or 201W; Geography 254; History 228 or 228W; History 258 or 258W; History 259 or 259W; Political Science 231 or 231W; Political Science 240 or 240W
3. One course from the ES advisor's list of approved electives, chosen in close consultation with the ES advisor's list of approved electives, chosen in close consultation with the ES advisor. With the advisor's approval, a student may opt to do a senior thesis, equivalent to three credits of the elective requirement, on an aspect of European Studies.
4. One three-credit course at the 200's level in European literature, culture, or civilization, from the Modern and Classical Languages listings; or the student may combine three 1-credit Linkage Through Language modules for a total of 3 credits.
5. Language requirement: Intermediate proficiency in reading, writing, speaking, and understanding a European language other than English, demonstrated either through completion of the fourth semester of a college-level language sequence or through examination by a faculty instructor in the language. Study abroad is strongly encouraged as an effective means to increase proficiency.

The minor is administered under the auspices of the Center for European Studies. Courses of study are supervised by committees of participating faculty. For further information, including a list of designated courses, contact Ludmilla Burns, Program Advisor.

French, See the Modern and Classical Languages entry.

Geography, See the Geography entry.

Geology and Geophysics, See the Geology and Geophysics entry.

German, See the Modern and Classical Languages entry.

History, See the History entry.

Italian, See the Modern and Classical Languages entry.

Latin American Studies, See the Latin American Language and Area Studies entry.

Linguistics, See the Linguistics entry.

Marine Biology, See the Marine Sciences entry

Mathematics, See the Mathematics entry.

Molecular and Cell Biology, See the Molecular and Cell Biology entry.

Oceanography Minor, See the Marine Sciences entry

Physiology and Neurobiology, See the Physiology and Neurobiology entry

Phototonics, See the Physics entry

Political Science, See the Political Science entry.

Portuguese, See the Modern and Classical Languages entry.

Slavic and Eastern European Studies

The minor in Slavic and Eastern European Studies (SEES) allows students to pursue an interest in social, historical, political and cultural aspects of eastern Europe, and particularly Russia, through a coherent course of study. Students electing this minor must complete a minimum of 18 credits at the 200 level distributed across the following categories:

1. One required course: History 252
2. Three courses distributed across three of the following four disciplines: Economics 244, Geography 254, History 251, History 254W, Political Science 222, Political Science 230W, Political Science 237 or 237W
3. Two courses from the SEES advisor's list of approved electives, chosen in close consultation with the SEES advisor. With the advisor's approval, a student may opt to do a senior thesis, equivalent to three credits of the elective requirement, on an aspect of Slavic and Eastern European Studies.
4. Language requirement: Intermediate proficiency in reading, writing, speaking, and understanding a Slavic or Eastern European language, demonstrated either through completion of the fourth semester of a college-level language sequence or through examination by a faculty instructor in the language. Study abroad is strongly encouraged as an effective means to increase proficiency.

Prospective students wishing more information are invited to contact the Program Advisor for SEES at the Center for European Studies, Wood Hall, Room 306.

Spanish, See the Modern and Classical Languages entry.

Statistics, See the Statistics entry.

Women's Studies, See the Women's Studies entry.