The College of Arts and Sciences is the University’s central and largest college. Through its instruction in the humanities, sciences, and social sciences, the College of Arts and Sciences seeks to foster respect for excellence, tolerance of others, dedication to fairness and social justice, precision in speech and thought, and development of intellect.

It does so through a mixture of traditional and innovative programs. Particularly noteworthy are the developing interdisciplinary programs that cut across traditional boundaries and focus on emerging social needs and issues in reading and writing, literature, the environment, internationalization, media, communication, and technology.

The college’s 18 departments and School of Communication provide specialized training and advanced work leading to the B.A., the B.S., the A.S., and the A.A. degrees. These programs of study are described below, and details for each major program are given in the appropriate sections of departmental course listings beginning on page 113. The mastery of a major area of concentration prepares students for careers, for continuing their studies independently, and for undertaking graduate study and research.

Facilities

*Abrahms Hall* is home to the Cinema department and the Cinema and Media Studies Editing Suite.

*Auerbach Hall* provides facilities for the departments of English, Gender Studies, Rhetoric and Professional Writing, Philosophy, the Center for Reading and Writing, the English Language Institute, Learning Plus, and the Maurice Greenberg Center for Judaic Studies.

The *Biology-Chemistry Building*, approximately 40,000 square feet in total size, contains the Chemistry and Biology departments. The building has modern labs and research facilities for undergraduate students.

The Biology-Chemistry Building and Dana Hall are part of an *Integrated Science, Engineering, and Technology complex*. The University has grouped the sciences, engineering, and technology into one complex to promote interdisciplinary activities.

The *Charles A. Dana Hall* is home to the departments of Mathematics, Computer Science, and Physics. Special features of the building include the Mali I and Mali II lecture halls, which contain 120-seat classrooms; a computer laboratory; and individual research laboratories for students and faculty. Dana Hall also has a rooftop greenhouse, classrooms, faculty offices, a lounge, and seminar rooms.

*East Hall* houses the Department of Psychology. The building offers classrooms equipped with projection equipment, a computer classroom, research laboratory space, and a drop-in computer lab. Facilities throughout East Hall are shared by faculty, students, and staff from the various programs in the department.

*Harry Jack Gray Center* provides space for the School of Communication and the college’s television production and broadcasting facilities. In addition, the Harry Jack Gray Center includes a classroom overlooking the television studio.

*Hillyer Hall* provides facilities for the departments of Art History, Criminal Justice, Economics, History, International Studies, Modern Languages and Cultures, Political Economy, Politics and Government, and Sociology. This building includes rooms for classes, seminars and conferences, as well as the Herbert Gilman Family Center for Communication Technology. The Beatrice Fox Auerbach Auditorium, which seats more than 200, is used for lectures, recitals, films, and dramatic performances.

**Advising**

The College of Arts and Sciences has the long-established Freshman Dialogue program to assist new students in adjusting to academic and campus life. Students meet at least one hour a week in small groups with a faculty advisor to discuss educational and career goals, curricular and extracurricular options, and the relevance to their own lives of a liberal education.

**DIA 100 Freshman Dialogue** [1] The overall goals of the Freshman Dialogue program are to ease students’ transition to university life; to strengthen existing support networks and minimize potential problems; to advise students about academic scheduling and curriculum choices and thus encourage a strong liberal education; to introduce students to academic resources on campus, thereby fostering academic growth; to introduce students to social
and cultural activities on and off campus; and to develop a supportive atmosphere within the dialogue group.

**Admission Requirements**

General requirements and procedures for admission are given on page 39.

For admission to the College of Arts and Sciences, 16 units of secondary subjects are expected, among which the following are strongly recommended:

- **English**: 4 units
- **Social studies**: 2 units
- **One language**: 2 units
- **Mathematics** (including 1 unit of algebra): 3 units
- **Science**: 2 units
- **Other academic subjects**: 3 units

Applicants for the Bachelor of Science programs must have three years of college preparatory mathematics, including trigonometry.

**Academic Centers**

**Herbert Gilman Family Center for Communication Technology**

The Gilman Center is located in Hillyer Hall, room 319. This College of Arts and Sciences computer lab accommodates classes of up to 28 students. Each student station has an up-to-date Windows® computer station with the current operating system, Office® suite, and statistical analysis software. Instructors have the ability to project their screen to the front of the room; for demonstration and collaborative work purposes, they can also project any of the student stations. The room is used for the sciences as well as the humanities.

The Gilman Family Center was made possible through a gift from the Gilman family and Ames Department Stores.

**Maurice Greenberg Center for Judaic Studies and Chair in Judaic Studies**

The University’s offerings in Judaic studies are administered through the Maurice Greenberg Center for Judaic Studies, an endowed, academic program within the College of Arts and Sciences. Judaic Studies is an interdisciplinary program of study that focuses on Israel, Jews and Judaism, including, but not limited to, historical, linguistic, religious, sociological, political, and philosophical perspectives. The chronological scope of Judaic studies spans the periods from the beginnings of ancient Israel through the modern Jews and modern Israel.

**Humanities Center**

The Humanities Center of the College of Arts and Sciences fosters serious interdisciplinary study of the humanities by sponsoring lectures, symposia, and seminars on timely topics. Each year students and faculty members are selected to be Fellows of the center. The Fellows meet regularly to hear lectures, exchange ideas, and pursue individual research. The center also awards scholarships (for first-year and sophomore students) and fellowships (for juniors and seniors) to students majoring or minoring in the humanities who meet certain academic criteria. The Humanities Center is funded by a National Endowment for the Humanities matching grant.

**Television and Radio Studios**

The television studio, the site of all television production classes, is furnished with broadcast television equipment and separate editing suites and has the capability of campuswide video distribution. The facility can accommodate stereo postproduction and live television production.

The University houses two modern radio stations, WSAM and WWUH. The facilities of WSAM are the site of radio production courses. Students are active on the air and behind the scenes at both stations.

**Special Programs**

**Premedical Professional Programs: Chiropractic, Dentistry, Medicine, Optometry, Osteopathy, Podiatry, Veterinary Medicine**

These programs are designed to provide students with the broad cultural background and rigorous scientific training necessary as preparation for these various healthcare professional schools. Although requirements may vary slightly from one field to another, all include collegiate-level laboratory courses in biology, general chemistry, organic chemistry, and physics, as well as courses in mathematics, social sciences, and humanities. In addition, upper-level courses, including genetics, cell biology, anatomy and physiology, and biochemistry, can significantly improve an applicant’s record. These basic requirements and the overall goals of a preprofessional education can be satisfied within a number of the Bachelor of Arts and Bachelor of Science major program described in this *Bulletin*. 
Although most premedical professional students major in biology, chemistry, or the chemistry-biology joint program, they may select any departmental major as long as they satisfy the preprofessional school requirements. Students should contact the Premedical Professions advisor or a member of the Premedical Professions Advisory Committee as early as possible, preferably in the first year, for advice in planning their program of study.

The faculty of the College of Arts and Sciences supports the practice of referring to the Premedical Professions Advisory Committee all requests for letters of recommendation to health professional schools. Premedical professional students must complete the application process for an interview with the Premedical Professions Advisory Committee by the established deadline date in the spring of the junior year. The chair of the committee should be contacted for specific dates.

In cooperation with the New England College of Optometry in Boston, a unique opportunity exists for qualified students to receive the B.S. in biology and a Doctor of Optometry (O.D.) in seven years. The program allows the University of Hartford student to complete the fourth-year B.S. science requirements at the New England College of Optometry.

Applicants must be highly qualified high school seniors or beginning college students. If accepted into the program, they are expected to maintain a 3.0 overall minimum grade point average during their three years at the University of Hartford. Final admission to the New England College of Optometry is contingent upon successful completion of the first three years leading to a B.S. in biology, satisfactory optometry college admission test scores, and recommendation from the University of Hartford Premedical Professions Advisory Committee.

**Pre-Law Advising Program**

The Pre-Law Advising program at the University of Hartford is designed to assist students considering law school as an option. The program structure affords students the opportunity to complete a major of their choice while being part of a learning community program focused on pursuing a career in law. A student organization, the Pre-Law Society, sponsors numerous social and educational events during the academic year.

Seven Pre-Law faculty advisors are available to work with students and their academic advisors to select courses of study designed to prepare them for the study of law while satisfying degree requirements for the baccalaureate. The committee also develops and periodically reviews a list of recommended courses for students interested in attending law school. The list contains courses that are identified by the committee as ones that develop skills established by the American Bar Association as important for a pre-law curriculum: analytic and problem-solving skills, critical reading abilities, writing skills, oral communication and listening abilities, general research skills, and the values of serving others and promoting justice.

For additional information, see the University Studies Pre-Law Advising Program section on page 93.

**University Scholar Program**

This program permits a small number of selected students to depart from the specific requirements of a major program. Details regarding the nature of the University Scholar program and the criteria for enrollment in it are available at the Office of the Dean of the college.

**Teacher Certification Program**

For minors in teacher education (does not include certification on the undergraduate level), refer to page 251.

**Study Abroad Program**

Students are encouraged to study abroad in one of more than 60 available countries. A GPA requirement of 2.5 is needed. Students from any major may study abroad for a semester, a year, a summer, or Winterterm with the proper planning. Students who participate in semester/yearlong approved programs continue to pay University of Hartford tuition. This enables students to apply all of their federal and state financial aid, as well as University grants and scholarships toward their study abroad.

Students have the option to study abroad in a two- or three-week, short-term course run by University of Hartford faculty. Since these programs vary by semester, see the semester’s Schedule of Classes for details of current offerings.

**Washington Semester Program**

The College of Arts and Sciences is associated with the Washington Semester program sponsored by American University in Washington, D.C. The semester comprises an internship,
seminars, and course work. Placements in American politics, foreign policy, economic policy, justice, journalism, peace and conflict resolution, international law, and international environment are available.

**Academic Express**
The College of Arts and Sciences’ Academic Express program was designed to meet the needs and concerns of nontraditional students who work full time, manage homes and families, and who need a college degree in order to increase their employment opportunities and earning potential. Academic Express is not simply an evening division of a day college. It is a comprehensive commitment to nontraditional students.

**Undergraduate Study**
The College of Arts and Sciences offers programs of study leading to the following degrees: Associate in Arts, Associate in Science, Bachelor of Arts, and Bachelor of Science.

Associate in Arts programs are offered in communication, humanities, and social sciences; Associate in Science programs in the biological and physical sciences. All associate’s degree programs include basic literacy requirements, distribution requirements, and a concentration in the degree area. All candidates for the associate’s degree must earn a minimum of 60 credits.

Programs leading to the Bachelor of Arts and the Bachelor of Science each include three components: general education requirements, a major program in a departmental field of specialization, and a number of elective courses. All candidates for the baccalaureate degree must earn a minimum of 120 credits.

**Graduate Study**
A program leading to a doctoral degree (PsD.) is offered by the Department of Psychology. Programs leading to a Master of Arts (M.A.) are offered by the School of Communication and Department of Psychology. A program leading to the Master of Science (M.S.) is offered by the Biology and Psychology departments. Complete program descriptions are available in the Graduate Bulletin.

**Requirements for the A.A. and A.S. Degrees**

**Communication (A.A.)**

### I. Basic Literacy Requirements
Students may satisfy any or all of the basic literacy requirements by appropriate validation for exemption as indicated below. No credit is awarded for literacy requirements exempted through testing. Students must substitute electives for the requirements they pass by testing.

#### Credits

**Reading and Writing**

0–6

The college believes that students must demonstrate basic college-level reading and writing skills. Students typically demonstrate these abilities by successfully completing RPW 110 and RPW 210 or their honors equivalents, HON 182 and HON 210. Some students receive waivers for RPW 110 and RPW 210. RPW 110 is waived for students who score a 30 on the ACT exam, score 650 or higher on the SAT verbal, or earn a 4 on the AP Language and Composition exam. RPW 210 is waived for students who score a 32 on the ACT exam, score 700 or higher on the SAT verbal, or earn a 5 on the AP Language and Composition exam. Students who waive RPW 110 must take RPW 210, and they are strongly encouraged to take the honors version of the second course, HON 210. Students who waive RPW 110 and 210 are encouraged to enroll in an advanced writing course, such as RPW 245W.

**Mathematics**

0–3

The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M 118) taught by the A&S Mathematics department.

Choose one of the following (a or b): 0–6

#### a. Foreign Language

The college believes that the study of foreign languages improves language skills. Students may demonstrate skill in a foreign language in one of three ways: attain a score of 440 or better on the MAPS Test for Foreign Languages of the College Board; attain a score of 400 or better on the MAPS test for Foreign Languages and successfully complete a foreign language course numbered 111; or successfully complete foreign language courses numbered 110 and 111.

or
b. Oral Communication and Computer Skills

Oral Communication. The college believes that the study of oral communication is one way of improving language skills. Students may demonstrate skill in oral communication by passing the School of Communication oral communication test or by successfully completing CMM 115 Improving Communication Skills.

Computer Skills. The college believes that one way of improving communication skills is through the study of computers and computer language. Students may demonstrate computer skills by attaining a score of 80 percent or higher on an examination given by the department on topics covered in CS 110, or by successfully completing any computer science course.

II. Breadth and Integration: Distribution Requirements

Humanities: Credits
Philosophy (PHI 110) 3
World History (HIS 100 or 101) 3
Literature (ENG 140 or LIT in For. Lang.) 3
An additional humanities course in a foreign language, history, English, or philosophy (except PHI 220) 3

Arts: 3
Select one course from art history (ART), music (HLM), cinema (CIN), drama (DRA), or AUCA.

Social Sciences:
American Government (POL 100) 3
Select one course in the social sciences (EC, POL, PSY, SOC) or AUCS. 3

Natural Sciences: 8
Select two 4-credit laboratory science courses from biology, chemistry, physics, or SCI 116; one may be a 4-credit AUCT course.

At least two of the courses taken to satisfy the breadth and integration requirements must be AUC courses.

III. Communication

The remaining credits required for the minimum of 60 credits must be taken in the Communication department and must include CMM 110, 311, 411, and CMM electives.

Humanities (A.A.)

I. Basic Literacy Requirements

Students may satisfy any or all of the basic literacy requirements by appropriate validation for exemption as indicated below. No credit is awarded for literacy requirements exempted through testing. Students must substitute electives for the requirements they pass by testing.

Reading and Writing 0–6

The college believes that students must demonstrate basic college-level reading and writing skills. Students typically demonstrate these abilities by successfully completing RPW 110 and RPW 210 or their honors equivalents, HON 182 and HON 210. Some students receive waivers for RPW 110 and RPW 210. RPW 110 is waived for students who score a 30 on the ACT exam, score 650 or higher on the SAT verbal, or earn a 4 on the AP Language and Composition exam. RPW 210 is waived for students who score a 32 on the ACT exam, score 700 or higher on the SAT verbal, or earn a 5 on the AP Language and Composition exam. Students who waive RPW 110 must take RPW 210, and they are strongly encouraged to take the honors version of the second course, HON 210. Students who waive RPW 110 and 210 are encouraged to enroll in an advanced writing course, such as RPW 245W.

Mathematics 0–3

The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M 118) taught by the A&S Mathematics department.

Choose one of the following (a or b): 0–6

a. Foreign Language

The college believes that the study of foreign languages improves language skills. Students may demonstrate skill in a foreign language in one of three ways: attain a score of 440 or better on the MAPS Test for Foreign Languages of the College Board; attain a score of 400 or better on the MAPS test for Foreign Languages and successfully complete a foreign language course numbered 111; or successfully complete foreign language courses numbered 110 and 111.

or

b. Oral Communication and Computer Skills

Oral Communication. The college believes that the study of oral communication is one way of improving language skills. Students may demonstrate skill in oral communication by passing the School of Communication oral communication test or by successfully completing CMM 115 Improving Communication Skills.

Computer Skills. The college believes that one way of improving communication skills is through the study of computers and computer language. Students may demonstrate computer skills by attaining a score of 80 percent or
higher on an examination given by the department on topics covered in CS 110, or by successfully completing any computer science course.

**II. Breadth and Integration:**

**Distribution Requirements**

**Credits**

**Arts:**
Select one course from art history (ART), music (HLM), cinema (CIN), drama (DRA), or AUCA.

**Social Sciences:**
American Government (POL 100) 3
Select one course in the social sciences (EC, POL, PSY, SOC) or AUCS. 3

**Natural Sciences:**
Select two 4-credit laboratory science courses from biology, chemistry, physics, or SCI 116; one may be a 4-credit AUCT course.

At least two of the courses taken to satisfy the breadth and integration requirements must be AUC courses.

**III. Humanities**

**Credits**

Philosophy (PHI 110) 3
World History (HIS 100 or 101) 3
Literature (ENG 140 or LIT in For. Lang.) 3

The remaining credits required for the minimum of 60 credits must be taken in the humanities programs:

Art History (ART)
Cinema (CIN)
Communication (CMM)
Drama (DRA)
English (ENG)
History (HIS)
Modern Languages and Cultures (MLC)
Music History (HLM)
Philosophy (PHI)
Rhetoric and Writing (RPW)

**Social Sciences (A.A.)**

**I. Basic Literacy Requirements**
Students may satisfy any or all of the basic literacy requirements by appropriate validation for exemption as indicated below. No credit is awarded for literacy requirements exempted through testing. Students must substitute electives for the requirements they pass by testing.

**Credits**

**Reading and Writing** 0–6

The college believes that students must demonstrate basic college-level writing skills. Students may demonstrate these skills by successfully completing RPW 110 and 210 (or HON 182 and 210), scoring 650 or higher on the SAT Verbal section, or earning at least a 4 on the AP English Composition exam. The scores of 700+ on the SAT Verbal and 5 on the AP exam waive both RPW 110 and 210, and these students are advised to enroll in an advanced college writing course, such as RPW 245W.

**Mathematics** 0–3

The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M118) taught by the A&S Mathematics department.

Choose one of the following (a or b): 0–6

**a. Foreign Language**

The college believes that the study of foreign languages improves language skills. Students may demonstrate skill in a foreign language in one of three ways: attain a score of 440 or better on the MAPS Test for Foreign Languages of the College Board; attain a score of 400 or better on the MAPS test for Foreign Languages and successfully complete a foreign language course numbered 111; or successfully complete foreign language courses numbered 110 and 111.

**b. Oral Communication and Computer Skills**

**Oral Communication.** The college believes that the study of oral communication is one way of improving language skills. Students may demonstrate skill in oral communication by passing the School of Communication oral communication test or by successfully completing CMM 115 Improving Communication Skills.

**Computer Skills.** The college believes that one way of improving communication skills is through the study of computers and computer language. Students may demonstrate computer skills by attaining a score of 80 percent or higher on an examination given by the department on topics covered in CS 110, or by successfully completing any computer science course.

**II. Breadth and Integration:**

**Distribution Requirements**

**Humanities:**

**Credits**

Philosophy (PHI 110) 3
World History (HIS 100 or 101) 3
Literature (ENG 140 or LIT in For. Lang.) 3

An additional humanities course in a foreign language, history, English, or philosophy (except PHI 220); or one AUC course (Western Culture or Other Cultures) 3
Credits
Arts: 3
Select one course from art history (ART), music (HLM), cinema (CIN), drama (DRA), or AUCA.

Natural Sciences: 8
Select two 4-credit laboratory science courses from biology, chemistry, physics, or SCI 116; one may be a 4-credit AUCT course.

At least two of the courses taken to satisfy the breadth and integration requirements must be AUC courses.

III. Social Sciences:
American Government (POL 100) 3
The remaining credits required for the minimum of 60 credits must be taken in the social science departments:
Economics (EC)
Politics and Government (POL)
Psychology (PSY)
Sociology (SOC)

Biological Sciences (A.S.)

I. Basic Literacy Requirements
Students may satisfy any or all of the basic literacy requirements by appropriate validation for exemption as indicated below. No credit is awarded for literacy requirements exempted through testing. Students must substitute electives for the requirements they pass by testing.

Reading and Writing 0–6
The college believes that students must demonstrate basic college-level reading and writing skills. Students typically demonstrate these abilities by successfully completing RPW 110 and RPW 210 or their honors equivalents, HON 182 and HON 210. Some students receive waivers for RPW 110 and RPW 210. RPW 110 is waived for students who score a 30 on the ACT exam, score 650 or higher on the SAT verbal, or earn a 4 on the AP Language and Composition exam. RPW 210 is waived for students who score a 32 on the ACT exam, score 700 or higher on the SAT verbal, or earn a 5 on the AP Language and Composition exam. Students who waive RPW 110 must take RPW 210, and they are strongly encouraged to take the honors version of the second course, HON 210. Students who waive RPW 110 and 210 are encouraged to enroll in an advanced writing course, such as RPW 245W.

Mathematics 0–3
The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M 118) taught by the A&S Mathematics department.

Choose one of the following (a or b): 0–6

a. Foreign Language
The college believes that the study of foreign languages improves language skills. Students may demonstrate skill in a foreign language in one of three ways: attain a score of 440 or better on the MAPS Test for Foreign Languages of the College Board; attain a score of 400 or better on the MAPS test for Foreign Languages and successfully complete a foreign language course numbered 111; or successfully complete foreign language courses numbered 110 and 111.

or

b. Oral Communication and Computer Skills

Oral Communication. The college believes that the study of oral communication is one way of improving language skills. Students may demonstrate skill in oral communication by passing the School of Communication oral communication test or by successfully completing CMM 115 Improving Communication Skills.

Computer Skills. The college believes that one way of improving communication skills is through the study of computers and computer language. Students may demonstrate computer skills by attaining a score of 80 percent or higher on an examination given by the department on topics covered in CS 110, or by successfully completing any computer science course.

II. Breadth and Integration:

Distribution Requirements

Humanities: 3
Philosophy (PHI 110)
World History (HIS 100 or 101)
Literature (ENG 140 or LIT in For. Lang.)

An additional humanities course in a foreign language, history, English, or philosophy (except PHI 220); or one AUC course (Western Culture or Other Cultures)

Arts: 3
Select one course from art history (ART), music (HLM), cinema (CIN), drama (DRA), or AUCA.

Social Sciences:
American Government (POL 100) 3
Select one course in the social sciences (EC, POL, PSY, SOC) or AUCS.

At least two of the courses taken to satisfy the breadth and integration requirements must be AUC.
III. Biology  Credits
Two 4-credit biology courses, one of which must be BIO 122 or BIO 123.
The remaining credits required for the minimum of 60 credits must include BIO 352, M 144, and CH 110-111 or CH 114-136. Any additional credits must be taken from the Department of Biology.

Physical Sciences (A.S.)
I. Basic Literacy Requirements
Students may satisfy any or all of the basic literacy requirements by appropriate validation for exemption as indicated below. No credit is awarded for literacy requirements exempted through testing. Students must substitute electives for the requirements they pass by testing.

Reading and Writing  0–6
The college believes that students must demonstrate basic college-level reading and writing skills. Students typically demonstrate these abilities by successfully completing RPW 110 and RPW 210 or their honors equivalents, HON 182 and HON 210. Some students receive waivers for RPW 110 and RPW 210. RPW 110 is waived for students who score a 30 on the ACT exam, score 650 or higher on the SAT verbal, or earn a 4 on the AP Language and Composition exam. RPW 210 is waived for students who score a 32 on the ACT exam, score 700 or higher on the SAT verbal, or earn a 5 on the AP Language and Composition exam. Students who waive RPW 110 must take RPW 210, and they are strongly encouraged to take the honors version of the second course, HON 210. Students who waive RPW 110 and 210 are encouraged to enroll in an advanced writing course, such as RPW 245W.

Mathematics  0–3
The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M 118) taught by the A&S Mathematics department.
Choose one of the following (a or b):  0–6

a. Foreign Language
The college believes that the study of foreign languages improves language skills. Students may demonstrate skill in a foreign language in one of three ways: attain a score of 440 or better on the MAPS test for Foreign Languages and successfully complete a foreign language course numbered 111; or successfully complete foreign language courses numbered 110 and 111.

or

b. Oral Communication and Computer Skills
Oral Communication. The college believes that the study of oral communication is one way of improving language skills. Students may demonstrate skill in oral communication by passing the School of Communication oral communication test or by successfully completing CMM 115 Improving Communication Skills.

Computer Skills. The college believes that one way of improving communication skills is through the study of computers and computer language. Students may demonstrate computer skills by attaining a score of 80 percent or higher on an examination given by the department on topics covered in CS 110, or by successfully completing any computer science course.

II. Breadth and Integration:
Distribution Requirements

Humanities:  Credits
Philosophy (PHI 110)  3
World History (HIS 100 or 101)  3
Literature (ENG 140 or LIT in For. Lang.)  3
An additional humanities course in a foreign language, history, English, or philosophy (except PHI 220); or one AUC course (Western Culture or Other Cultures)  3

Arts:  3
Select one course from art history (ART), music (HLM), cinema (CIN), drama (DRA), or AUCA.

Social Sciences:  3
American Government (POL 100)  3
Select one course in the social sciences (EC, POL, PSY, SOC) or AUCS.

At least two of the courses taken to satisfy the breadth and integration requirements must be AUC.

III. Physical Sciences  8
CH 110-111
The remaining credits required for the minimum of 60 credits must include PHY 120-121 and M144-145.
Requirements for the B.A. and B.S. Degrees

General Education Requirements
Students in the Bachelor of Arts and Bachelor of Science degree programs are required to fulfill the general education requirements described below.

General Education Requirements

I. First-Year Seminar
(first year, fall semester)

II. Foundations of Citizenship
One citizenship/community course
One diversity course

III. Exploration and Breadth
One mathematics course
One arts course
Three humanities courses
Two social sciences courses
Two 4-credit lab sciences courses

IV. Foundational Competencies
Two writing courses (first year, spring semester, and second year, fall semester)
One information technology literacy course
Two writing-intensive courses

V. Four AUC Courses
Four courses from four categories

I. First-Year Seminar
The college believes that the successful completion of a First-Year Seminar (FYS) is important for all first-year students. The FYS is designed to instill intellectual passion in first-year students. Students experience small-group interaction and refine the skills associated with discussion and deliberation of ideas and alternative viewpoints.

II. Foundations of Citizenship
Students must take one course from a list of approved courses in two areas: citizenship/community and diversity. The list of approved courses is found in the majors book or at http://uhaweb.hartford.edu/artsci/gened. These courses may also be used to fulfill an arts, humanities, or social science distribution requirement. In addition, if approved by the major department, these courses may count toward the major. Those students who are pursuing a double major and students in degree programs requiring more than 58 credits in the major, may use approved AUC courses to fulfill these requirements. The list of approved AUC courses is found in the majors book or at the website listed above.

III. Exploration and Breadth
Mathematics
The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M 118) taught by the A&S mathematics department.

Arts*
Select one course from art history, music, cinema, or drama.

Humanities*
Select three courses from three different disciplines from the following list: literature, foreign language, history, philosophy.

Laboratory Science
Two 4-credit laboratory courses from biology, chemistry, physics, or SCI.

Social Science
Non–Social Science Majors:
Select two courses from two different disciplines from the following list: economics, politics, psychology, sociology.

Social Science Majors:
Select two courses from outside the major and from two different disciplines from the following list: economics, politics, psychology, sociology.

IV. Foundational Competencies
Writing Courses
The college believes that students must demonstrate basic college-level reading and writing skills. Arts and Sciences students typically demonstrate these abilities by successfully completing RPW 110 and RPW 210, or their honors equivalents, such as HON 182 for RPW 110. Some students receive waivers for RPW 110 and RPW 210. RPW 110 is waived for students who score a 30 on the ACT exam, score 650 or higher on the SAT verbal, or earn a 4 on the AP Language and Composition exam. RPW 210 is waived for students who score a 32 on the ACT exam, score 700 or higher on the SAT

*Students who are pursuing a double major and students in degree programs requiring more than 58 credits in the major may use an AUC course to fulfill one requirement among the arts and humanities within the exploration and breadth category.
verbal, or earn a 5 on the AP Language and Composition exam. Students who waive RPW 110 must take RPW 210, and they are strongly encouraged to take the honors version of the second course. Students who waive RPW 110 and 210 are encouraged to enroll in an advanced writing course, such as RPW 245W.

Information Technology Literacy 0 or 3
Students must take one course from a list of approved courses in informational technology literacy. The list of approved courses is found in the majors book or at http://uhaweb.hartford.edu/artsci/gened. If approved by the major department, a course in this category may also count toward the major.

Writing-Intensive Courses 0 or 3
In addition to RPW 110 and RPW 210, students must take two writing-intensive courses, one of which must be taken in the major. Writing-intensive courses are indicated by a W following a course code (e.g., CMM 250W).

A writing-intensive course is one in which students do some writing for most class meetings, in addition to the writing they do for examinations and term projects. The nature of the writing varies from course to course; it may include journals, laboratory reports, short essays, or substantial research projects. Besides covering the usual content, a writing-intensive course devotes class time to the writing process: planning, drafting, revising, or editing. While each discipline has its own research methods and distinctive scholarly style, writing-intensive courses stress the common denominators of academic discourse. Writing-intensive courses have met the guidelines approved by the faculty.

V. All-University Curriculum (AUC) 12–13
Students may satisfy this requirement by taking four AUC courses from four different categories most distant from the major. These are specified in the majors book or on http://uhaweb.hartford.edu/artsci/gened.

General education requirements Credits 40–63

General Education Requirements for Transfer Students

Students entering the college with fewer than 24 credits transferred from accredited institutions must satisfy the general education requirements listed above and are granted normal transfer equivalencies. Students entering with 24 or more transferable credits and enrolled in a baccalaureate program must satisfy the modified general education requirements listed below and also are granted the normal transfer equivalencies.

I. Foundations of Citizenship 3
Students may satisfy this requirement by taking one course in philosophy or ethics.

II. Exploration and Breadth

Mathematics 0 or 3
The college believes that students must demonstrate basic college-level mathematics skills by successfully completing any mathematics course (except M 118) taught by the A&S mathematics department.

Arts 3
Select one course from art history, music, cinema, or drama.

Humanities 6
Students may fulfill this requirement by taking one history and one literature course.

Laboratory Science 4 or 8
Two 4-credit laboratory courses from biology, chemistry, physics, or SCI 116 Astronomy (one of which may be a 4-credit, college-approved AUCT course).

Social Science 6
Non-Social Science Majors:
Select two courses from two different disciplines from the following list: economics, politics, psychology, sociology.

Social Science Majors:
Select two courses from outside the major and from two different disciplines from the following list: economics, politics, psychology, sociology.

III. Foundational Competencies

Two Writing Courses 6
Students may fulfill this requirement by taking two composition/writing courses.

Information Technology Literacy 3
Students may fulfill this requirement by taking one computer-related course.

Writing Intensive Course 0
Students may fulfill this requirement by taking one writing-intensive course (W) within the major.

General education requirements for transfer students: 31–38
Undergraduate Major Programs

Bachelor of Arts (B.A.) Program
Major programs for the Bachelor of Arts degree are offered in art history, biology, chemistry, cinema, communication, computer science, criminal justice, economics, English (literature and creative writing), gender studies, history, international studies, Judaic studies, mathematics, modern languages and cultures (French, German, Italian, Japanese, and Spanish), philosophy, physics, political economy, politics and government, rhetoric and professional writing, psychology, and sociology. Environmental studies is currently being developed and is presently available to students as a contract major (see this page). Further details are available from the Office of the Dean.

The Bachelor of Arts consists of 120 credits, including general education and AUC requirements, a major, and electives.

Bachelor of Science (B.S.) Program
Major programs for the Bachelor of Science are offered in biology, chemistry, chemistry-biology, computer science, mathematics, and physics.

In general, the B.S. degree programs, while including a broad liberal arts background, are designed to prepare the student for professional employment or for graduate study in the sciences and health professional fields. The corresponding B.A. degree programs permit students greater flexibility in the choice of electives, allowing them to meet the demands of certain preprofessional programs or to prepare for careers in teaching.

The Bachelor of Science consists of 120 credits, including general education and AUC requirements, a major, and electives.

Double Degree Program
In certain instances it is possible for a student to complete the work for two separate bachelor’s degrees. A minimum of 150 credits is required, including the satisfactory completion of both major programs. For further information, students should consult the chairs of both departments and the Office of the Dean.

Double Degree Program with Engineering
For those students who desire to combine studies in Arts and Sciences with studies in engineering or other disciplines, the Double Degree program may be an appropriate means to provide a multidisciplinary program of studies. The combination of disciplines produces a particularly strong background for which employers have indicated a preference.

The College of Arts and Sciences has worked out a number of joint programs with the College of Engineering, Technology, and Architecture whereby a student may obtain two bachelor’s degrees, one in arts and sciences and one in engineering. The two degrees would be awarded simultaneously or sequentially upon satisfactory completion of the individual degree requirements. The Double Degree program requires a minimum of 150 credits, and in some instances may be completed in five years. Typical five-year programs include a Bachelor of Science in an engineering discipline, combined with a bachelor’s degree in mathematics or the sciences. The students’ programs are developed by working with advisors from both colleges.

Double degrees are also possible within the College of Arts and Sciences and with other colleges in addition to the College of Engineering, Technology, and Architecture. In the latter case, the students should consult the dean of Arts and Sciences and the dean of the other college to work out the details of the program.

Contract Majors

Environmental Studies, Environmental Sciences, and Other Interdisciplinary Contract Majors
The college is approved by the State of Connecticut to offer interdisciplinary contract majors.

This option allows students to design a program of study within an area of concentration that is not available through the traditional structure of the department major. Some of the programs that have been approved include environmental studies, environmental sciences, behavioral journalism, management and administrative psychology, medical illustration, and American studies.

All Arts and Sciences students who wish to pursue a contract major are invited to contact the Office of the Dean or the relevant department/school.

Major Requirements
The specific requirements for each of the B.A. and B.S. major programs are given in this Bulletin at the head of each section where the departmental/school course offerings are listed.

Students must obtain the approval of their program chairs before they can be classified as majors in any program, and the program must be approved by program advisors.
For the B.A. and B.S. degrees, all students must satisfy the course requirements established by the major department or school, in addition to the general education requirements of the College of Arts and Sciences. Overlapping is both possible and permissible, so that certain courses may serve to satisfy both the major and the general education requirements.

**Writing Requirement**

Each program has established an upper-level writing requirement (course numbers from 300 to 400) of substantial quantity in each course (term papers, problem sets, museum papers, etc.), which will be read, commented on, and evaluated by at least one faculty member or an officially designated aide, and returned in time sufficient to allow for revision and reevaluation.

**Declaration of Major**

Students may announce their intended major at the time they apply for admission to the University. Students may not proceed beyond the end of the sophomore year without declaring their majors and being accepted by the programs. Students wishing to declare a double major should consult their academic advisor and the Office of the Dean. Forms for declaring majors are available in the Office of the Dean of the college.

**Declaration of Minor (Optional)**

Students may announce their intended minor at the time of application for admission to the University or at any time prior to, but not after, the end of the junior year. Acceptance by the program is required. Specific information regarding each minor may be obtained from the respective program heads.

**Additional Electives**

In addition to credits required in general education and major, a student completes the remaining credits in unrestricted electives for a minimum total of 120 academic credits. Among these, however, a student may take no more than 2 credits in physical education (PE 110, 111).

**Major and Minor Programs and Course Descriptions**

The course numbering system is described on page 66.

Not all of the courses listed in the Bulletin are offered each year. Offerings for each semester, and for the summer sessions, are listed in the class schedules, which are available during each registration period in the Office of Student Academic Services of the College of Arts and Sciences. The University reserves the right to make changes in academic programs.

**First-Year Seminar**

**FYS 100/FYS 100W** The first-year seminar is a low-enrollment, introductory-level topics course on a subject or question in the discipline that the professor presents to the class in order to model and instill intellectual passion. Students experience small-group interaction and refine the skills associated with discussion and deliberation of ideas and alternative viewpoints. The classroom format is Socratic: it includes ample time for discussion, sometimes in small groups, and students are required to represent their critical thinking orally. Typically, an advanced undergraduate in the professor’s discipline acts as preceptor for the students and helps them learn study and writing skills. The course satisfies a writing-intensive requirement when listed as FYS 100W.

**African American Studies**

Professors Doane (Sociology, Hillyer College), Hardesty (Sociology), Sandström (emeritus, Politics and Government)

Assistant Professors Carlson (Art History), Clark (History), Sinche (English)

AFS Steering Committee:

Faculty Carlson (Art History), Doane (Sociology, Hillyer College), Hardesty (Director, African American Studies, Sociology), Sekou (Politics and Government, Hillyer College), Sandström (Politics and Government), Sinche (English)

The African American Studies program examines from an interdisciplinary perspective the historical, cultural, and intellectual development of people of African descent on the African continent and in the New World. The program offers three geopolitical areas of study: Africa, North America (United States and Canada), and the Caribbean (including Latin America). The emphasis of the program is on the development of analytical skills and creative scholarship within a wide interdisciplinary exposure to the African American field.

The African American Studies program provides opportunities for (a) students who wish to minor in African American studies, (b) students who are not concentrating on African
American studies but who wish to improve their understanding of the black experience, and (c) students who wish to supplement their work in related fields with courses offered by the program. The program also offers training to those considering careers in social work, education, journalism, law, business management, city planning, international affairs, and creative writing. Students with backgrounds in history, sociology, anthropology, literature, law, psychology, education, nursing, philosophy, politics and government, art, music, religion, economics, business, and communication arts will find that the African American Studies program offers them an important perspective with which to approach their respective disciplines in our multiracial society.

Minor in African American Studies
The requirements for the minor are 18 credits: 6 credits of AFS 110 and AFS 111 (section A) and 12 credits taken in any of the five remaining sections.

A. Core Courses: 6 credits from this section
AFS 110 The Study of the Black Experience [3]
AFS 111 The Black Impact on Western Civilization [3]

B. North America
AFR 130 African American Music Origins to 1890 [3]
AFR 131 African American Music 1890–1945 [3]
AFR 132 African American Music 1945 to the Present [3]
AFS 210/POL 210 Urban Politics [3]
AFS 223/ENG 223 Survey of African American Literature [3]
AFS 226/SOC 256 The Black Family in American Society [3]
AFS 258/SOC 258 The Caribbean American Family
AFS 326 The Folk Culture of Black America [3]

C. Caribbean
AFS 323/POL 323 Caribbean Politics [3]

D. Africa
AFS 242/POL 222 Politics of the Third World [3]
AFS 352/SOC 382 Race and Ethnic Relations [3]

E. Credits from this section, or any course at the University of Hartford or a consortium institution, may be substituted for courses in sections B, C, D, or E, depending on the content of the course selected and subject to the approval of the coordinator of African American studies.
AFS 190, 191, 290, 291, 390, 391, 490, 491 Special Topics in African American Studies [1–3]
AFS 480 Independent Study in the Black Experience [3]
AFS 482-483 Honors in African American Studies [3-3]

Writing Requirement
Upper-level African American studies courses have a minimum writing requirement of 3,000 words, including examinations, reports, and term papers. This requirement must be filled in part by a written paper that is to be read, commented on and evaluated by the instructor and returned in time to allow for revision and reevaluation.

Course Descriptions
AFS 110 or 111 is a suggested prerequisite for all courses in sections B, C, D, E, and F; or courses may be taken by permission of instructor in consultation with the director.

AFS 110 The Study of the Black Experience [3] An introductory course that explores the nature and scope of African American studies through an examination of the various dimensions of the black experience.

AFS 111 The Black Impact on Western Civilization [3] This course attempts to evaluate the black contributions—African as well as African American—to the Western world. This course offers an insight into the ancient as well as modern achievements of African and African American peoples.

AFS 210/POL 210 Urban Politics [3] Examination of the political process of the contemporary American city from precinct to city council and city hall. Considers such topics as the social and economic characteristics of urban population and leadership; economic and ethnic interests, groups, and conflicts; and the interplay of interest groups, political parties, and government in response to problems of contemporary urban life.

AFS 213/POL 213 Race, Ethnicity, and Politics [3] This course explores the politics of race in the United States. Special emphasis is placed on the relations between African Americans, Latinos and Latinas, and European Americans. Students discuss the meaning of race and racism; the history and consequences of racial
inequality; and different strategies to seek redress for racial inequality.

**AFS 223/ENG 223 Survey of African American Literature** [3] Reading and discussion of selected poetry and prose, with special emphasis on the works of major figures such as Ralph Ellison, James Baldwin, Toni Morrison, and Alice Walker.

**AFS 225/HIS 225/ African American History** [3] An examination of the broad contours of the history of African Americans in the United States, with primary focus on the period from 1865 to the present. Topics include African American culture, resistance to slavery, black Americans and the military, civil rights, American apartheid, and African Americans and the United States political economy. Prerequisite: HIS 100 or HIS 130 or HIS 131, or permission of department chair.

**AFS 226/SOC 256 The Black Family in American Society** [3] An examination of the black family in American society. This course will deal with the black family within the social class structure. Emphasis will be placed on the similarities and differences within the various social classes as to family relationships, lifestyles (socialization and childrearing practices), cutting across areas of education, employment, religion, recreation, politics, housing, and attitudes toward prejudice and discrimination.

**AFS 242/POL 222 Politics of the Third World** [3] An interdisciplinary examination of the colonial origins, Cold War/post–Cold War context for emergence as independent states, and contemporary political issues in the two-thirds of the world we call the Third World. Emphasis on the meaning of development and obstacles to attaining it. Consideration also of internal colonialism, or “the Third World in our backyard,” such as Native Americans, ex-slaves, and immigrants from the Third World living in developed countries. Prerequisite: Any 100-level POL course or permission of instructor.

**AFS 258/SOC 258 The Caribbean American Family** [3] This course will examine the diversity of the Caribbean American culture, the impact of colonization and slavery on the family structure, the pattern of migration, culture shock, and other adjustment issues for families; and the implications of these factors for education, politics, and social relations within the Caribbean American communities and their interaction with the host society.

**AFS 305/ENG 305/GS 305 African American Women Writers** [3] This course has as its premise that the work of contemporary African American women writers—such as Toni Morrison, Alice Walker, Gloria Naylor, Paule Marshall, and Sherley Anne Williams—can be interpreted in the context of an identifiable literary tradition with sources in the late 19th and early 20th centuries. The course looks at the construction of this tradition in terms of specific literary themes and techniques, from “signifying” to communities of women that have been theorized by feminist and African American scholars. Prerequisites: GS 100; and either one 200-level literature course, or AFS 110 or AFS 111; or permission of instructor.

**AFS 318/ENG 318 African American Autobiography** [3] This course examines African American autobiographies from the early narratives of Douglass, Jacobs, and Washington to the self-conscious, lyrical texts of the 1960s and 1970s. The course also introduces students to theories of autobiography and the written self. Prerequisite: Any 200-level literature class or permission of the instructor.

**AFS 323/POL 323 Caribbean Politics** [3] Analysis of contemporary Caribbean politics. Focus on problems of decolonization, race, and class against the historical backdrop of colonialism and slavery. Prerequisite: Any 100-level POL course or permission of instructor.

**AFS 326 The Folk Culture of Black America** [3] An examination of the distinct and continuous tradition of African American culture that has existed historically and continues to do so as a separate entity within the larger cultural framework of American society. Emphasis on the metamorphosis of aspects of continental African culture into African American culture. Perspectives on black music, art, language, religion, and social mores.

**AFS 336/ART 336 African Art** [3] An in-depth look at visual art forms associated with the African continent and its varied artistic traditions, which may include sculpture, painting, architecture, photography, decorative arts, and performance. This course will concentrate on one of the following topics: African textiles, the arts of Nigeria, contemporary African art, or Africa and photography. The specific topic will be announced in the schedule of classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resources fee.
AFS 352/SOC 382 Race and Ethnic Relations [3] A social-historical analysis of the impact of race and ethnicity upon the distribution of power, opportunity and privilege in a social structure. Major theoretical perspectives on racial and ethnic prejudice and discrimination will be examined along with the diverse patterns of interracial and interethic contact that develop in different societies. The course will also focus on the politics of minority status, studying the growth and development of social movements that have challenged the legitimacy of racial and ethnic stratification.

AFS 480 Independent Study in the Black Experience [3] This course is open to both majors and nonmajors. It is designed to allow interested and qualified students to engage in research and study in academic areas not covered by existing department course offerings. The student will work under an advisor chosen by the student in consultation with the coordinator of African American studies. All independent study projects must be approved by the coordinator. Prerequisites: AFS 110 and sophomore standing.

AFS 190, 191, 290, 291, 390, 391, 490, 491 Special Topics in African American Studies [1–3] Topics and issues related to the black experience. These will vary from year to year in accordance with the needs of the curriculum and the availability of qualified faculty.

AFS 482-483 Honors in African American Studies [3-3] Open to seniors who have taken no fewer than 21 credits in the program and who have earned a minimum grade point average of 3.0 in their major. The student must prepare a senior thesis under the supervision of a faculty member chosen in consultation with the coordinator of African American studies. The student will be required to defend this thesis before an Honors Committee approved by the African American Studies General Advisory Committee.

Consortium Course Descriptions Descriptions of consortium courses may be found in the Saint Joseph College and Trinity College catalogs.

Art History

Associate Professors Buckberrough, Finch (emerita)
Assistant Professors Carlson, Onuf
Adjunct Professors Hamilton, Higgins, Marchaza, Noble, Stabilo, Synicky
Visual Resource Curator Hackett

Undergraduate Major Program (B.A.) Why do people make art? Where do you find art? What can art tell us about our world? Why does some art cost millions of dollars? Art history majors grapple with these questions by studying art across history and across cultures. Art history explores the world through images and objects. Our courses emphasize visual learning. They cover creative traditions in painting, sculpture, graphic arts, decorative arts, ritual objects, architecture, photography, design, performance, experimental media, and eco-art. Students are trained to examine, assess, research, and write about art objects. Graduates are prepared for a variety of careers, including teaching and museum work, or for graduate school.

Art history students visit local and regional galleries and museums and are encouraged to study abroad. Majors learn about careers in the field by studying how exhibitions are made, how collections are cared for, and how education of the public supports these efforts. Students can get practical experience through internships at a number of prestigious organizations, such as the Wadsworth Atheneum Museum of Art, the Connecticut Historical Society, the Connecticut Commission on Culture and Tourism, the New Britain Museum of American Art, Real Art Ways, the Joseloff Gallery, and many others.

Students who enter the University with advanced-placement (AP) credits in art history should elect at least one course at the 200 level before proceeding to 300-level work, and this course should not significantly duplicate material for which AP credit was awarded. A maximum of 3 credits in AP art history may be applied to the major or minor.

Requirements for the Major Required credits: 36 The requirements for the art history major are as follows:
12 credits at the 200 level: ART 210, ART 211, ART 215, and ART 216
15 credits at the 300 level, to be distributed among the following four content areas:
A wide selection of courses allows the participants interested in college and Sciences offers certification for people who complete the minor successfully. The Art History program in the College of Arts and Sciences provides an opportunity for students to pursue their interests in the field of art history. The Art History Certificate requires a minimum grade point average of 2.0 in art history courses to complete the minor successfully.

Requirements for the Minor
The requirements for the minor in art history are 18 credits, including the following:

- 6–9 credits at the 200-level, including ART 215 or ART 216
- 9–12 credits at the 300 or 400 level, distributed among three content areas: Ancient or Medieval Renaissance, or Baroque and Enlightenment Modern or Contemporary Non-Western (African, Asian, Mesoamerican, Islamic, Native American, or other)

All courses required for the minor must be taken for a letter grade. Students must maintain a minimum grade point average of 2.0 in art history courses to complete the minor successfully.

Course Descriptions
For professional courses in art see the Hartford Art School section. Students wishing to register for such courses should communicate directly with the Hartford Art School.

ART 100 Aspects of Art [3] An introduction to ways of seeing and discussing art from around the world, including examples of painting, sculpture, prints, photography, architecture, and other historical and contemporary media. Content of the course at the discretion of the instructor. All sections share the goal of developing an understanding of the forms, techniques, and interpretations of works of art. Students may not register for this course if they have previously taken a college-level art history course. Visual resources fee.

Survey Courses
ART 210, 211 History of Western Art I, II [3, 3] Considers major examples of painting, sculpture, and architecture in their historical and cultural context and suggests ways of understanding and responding to achievements in the visual arts. First semester, Western art from earliest civilization through late Gothic; second semester, Western art from the Renaissance period to the present day. Each of these courses may fulfill a general education requirement. Visual resources fee.
ART 215 Art across Borders [3] This course introduces students to artistic traditions that are not bound by a single country or continent. It follows specific artistic traditions in relationship to the global movement of people, ideas, and objects, and considers the role of art in relation to instances of cultural encounter and transcultural interchange. In effect, the course traces the cultural side of globalization and provides students with a methodology for assessing the artistic outcomes of cultural encounters. Visual resources fee.

ART 216 Introduction to Non-Western Art [3] Considers major examples of a non-Western culture’s artistic production in its historical and cultural context, and suggests ways of understanding and responding to achievements in the visual arts. Subjects vary by semester among African Art, Mesoamerican Art, Asian Art, Native American Art, and Islamic Art. The specific topic is announced in the Schedule of Classes. Visual resources fee.

Intermediate Courses Fulfilling Distribution Requirements for Major and Minor

ART 310/REL 310/JS 310 Ancient Art [3] This course provides an in-depth consideration of the art of a specific culture or group of cultures that were part of the ancient world. Topics are concentrated on one of the following: Pre-Classical Art, Egyptian Art, Classical Art, Greek Art, or Roman Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of instructor. Visual resources fee.

ART 311/REL 311/JS 311 Medieval Art [3] This course provides an in-depth consideration of cultures and styles in medieval art and architecture. It may present a survey of the period or concentrate on one of the following areas: Early Christian and Byzantine, Romanesque and Gothic, Medieval Manuscripts, Islamic Art and Architecture, Mediterranean Medieval Art, or Northern Medieval Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of the instructor. Visual resources fee.

ART 315 Renaissance Art [3] Painting, sculpture, and architecture of the 14th through 16th centuries with a focus on Europe. The course concentrates on one of the following areas: Northern Renaissance, Early Italian Renaissance, High Italian Renaissance, and Mannerism. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resource fee.

ART 316 Baroque and Enlightenment Art [3] This course provides in-depth consideration for a particular period or geographic location in the art of the 17th or 18th century with a focus on Europe. It concentrates on one of the following areas: Northern Baroque Art, Southern Baroque Art, or 18th-Century Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of the instructor. Visual resources fee.

ART 322 Modern Art [3] This course provides an in-depth consideration of a particular time period, movement, or theme in the art of the 19th or early 20th century. It concentrates on one of the following topics: Romanticism and Realism, Impressionism and Post-Impressionism, Cubism and Abstraction, Dada, Surrealism, or Abstract Expressionism. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of the instructor. Visual resources fee.

ART 323 Contemporary Art [3] This course provides an in-depth consideration of art since 1960. It may present a survey of the period or concentrate on one of the following topics: Pop Art and Minimal Art, Performance Art, Art of the 1970s, Postmodernism, or Art of Social Responsibility. The specific topic of the course is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of the instructor. Visual resources fee.

ART 331 Art of the Americas [3] This course provides an in-depth consideration of the art of a specific culture that has occupied the American continents. It concentrates on one of the following areas: Early American Art, Pre-Columbian Art, Mesoamerican Art, Native American Art, or Latin American Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of the instructor. Visual resources fee.

ART 335/REL 335 Asian Art [3] Asian artistic traditions examined via the most important and representative examples of architecture, sculpture, painting, prints, and decorative arts. The course concentrates on one of the following cul-
tural areas: Chinese Art, Japanese Art, or Arts of India. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resources fee.

ART 336/AFS 336 African Art [3] An in-depth look at visual art forms associated with the African continent and its varied artistic traditions, which may include sculpture, painting, architecture, photography, decorative arts, and performance. The course concentrates on one of the following topics: African Textiles, the Arts of Nigeria, Contemporary African Art, or Africa and Photography. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resources fee.

ART 343/GS 343 Visualizing Gender [3] An examination of how gender is relevant to the production, reception, and content of art. Gender theory and feminist theory are used to assess the role of gender in society and in artistic practices as they engage with visual images. The course concentrates on one of the following topics: Women in Art, Gender in American Art, Masculinity and Modernism, or Gender and Ritual in Africa. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resources fee.

ART 355 History of Visual Media [3] This course provides an in-depth consideration of the history of a particular medium or field of production. It concentrates on one of the following: History of Photography, History of Prints, or History of Design. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior or senior standing; or permission of the instructor. Visual resources fee.

ART 365 Museum and Exhibition Practices [3] This course explores issues and practices in the world of museums and other environments for the display of art. It combines technical matters with theoretical concerns as they relate to exhibitions, art institutions, and a variety of positions available in the museum field, with an emphasis on the job of curator. This fulfills the capstone requirement for the art history major. Prerequisite: A minimum of three art history classes. Visual resource fee.

ART 375W Studies in Art Writing [3] This course focuses on a particular art-historical subject area while providing experience in various modes of art writing and an introduction to a selection of art-historical approaches. Art writing may include such products as catalog entries, biographies, exhibition reviews, and gallery guides. The journal article is considered as students prepare a research paper, with emphasis on topic formulation, research techniques, and staged writing. The subject matter of the course varies from year to year. Prerequisite: Any 200-level art course, or ART 100 with junior or senior standing; or permission of the instructor. Visual resources fee.

**Special Courses**

ART 190, 290, 390, 490 Special Topics in Art History [3, 3, 3, 3] Selected subjects varying from year to year in accordance with the needs of the curriculum and the availability of specialists in these topics. Visual resources fee.

ART 383 Artforms [3] Varied offerings pertaining to specific media, cultures, issues, or aspects of the profession. Intended to present areas of topical interest for Hartford Art School students or in conjunction with offerings in other programs or disciplines. Offered as appropriate. Descriptions and prerequisites vary. Visual resources fee.

ART 395 Study/Travel [3] An interterm course, taught outside the United States, in which the artistic history of the culture is studied on site. Subject matter varies with the choice of site for the study trip. Prerequisite: Any 200-level art course, or ART 100 with junior or senior standing; or permission of the instructor.

ART 492 Seminar in Art History [3] Intensive study of specific topics in art history, changing by semester. Emphasis is on research, oral, and written presentation of research, and participation in discussions. Prerequisite: 15 credits in art history or permission of instructor. (Students may take this course more than once, if the content does not involve repetition.) Visual resources fee.

ART 493 Internship [3] Internships at the Wadsworth Atheneum Museum of Art or another arts institution. Prerequisite: Permission of instructor.

ART 494, 495 Independent Research [1–3] Individual research on a specific problem chosen by a student, approved and directed by a faculty member. Prerequisite: Permission of instructor.
Biology

Professors Cohen, Coleman (emeritus), Dix (joint with Health Sciences), Simpson (emeritus), Wallace (emeritus)
Associate Professors Borucinska, Frankel, Harney (Chair)
Assistant Professors Angelastro, Levesque, Zhu
Instructor Smollen

Undergraduate Major Program (B.A.)
The Bachelor of Arts (B.A.) degree is designed to offer students a broad background in the biological sciences, permitting more free electives than the B.S. program. Biology electives allow students to pursue a variety of specific interests that may lead to positions in government, industry, environmental fields, teaching, and health care professions. The B.A. degree may be combined for certification for teaching in the public schools.

Prospective biology majors should begin the chemistry sequence in the first year.

Requirements for the Major
Required credits: 46
34 credits in biology courses, including
a. BIO 122 Biological Science
b. BIO 123 Biological Science
c. BIO 260W Ecology
d. BIO 336 Comparative Animal Physiology
e. BIO 352 Cell Biology
f. BIO 272W, 273W Genetics
g. One of the following:
   BIO 337W, 338 Immunology
   BIO 440W Medical Microbiology
   BIO 442 Microbiology
   or BIO 444, 445 Biochemistry
h. Upper-division biology course(s) in addition to the above
i. CH 114, CH 136
   (Biology and chemistry courses must be completed with a grade point average of at least 2.2.)

At least 3 credits of mathematics, preferably M 110 Modeling with Elementary Functions, and an additional 3 credits of M 114 Everyday Statistics, CS 110 Introduction to Computers, or CS 114 Computer Programming I.

All courses required for the major must be taken for a letter grade and may not be taken on a Pass/No Pass basis.

Undergraduate Major Program (B.S.)
The Bachelor of Science (B.S.) degree program also provides interested students with a broad approach to biology but requires a more comprehensive background in mathematics and the natural sciences. The B.S. program is recommended for students planning careers in research or who plan to continue study in graduate school, medical school, dental school, or in other graduate health care schools.

Prospective biology majors should begin the chemistry sequence (CH 110-111) in the first year.

Requirements for the Major
Required credits: 64
34 credits in biology courses, including
a. BIO 122 Biological Science
b. BIO 123 Biological Science
c. BIO 260W Ecology
d. BIO 336 Comparative Animal Physiology
e. BIO 352 Cell Biology
f. BIO 272W, 273W Genetics
g. One of the following:
   BIO 337W, 338 Immunology
   BIO 440W Medical Microbiology
   BIO 442 Microbiology
   or BIO 444, 445 Biochemistry
h. Upper-division biology course(s) in addition to the above
i. Related science requirements: at least 16 credits of chemistry, through CH 230-231 Organic Chemistry, PHY 120-121 Introductory College Physics, M 144-145 Calculus I and II.

A foreign language and computer science through the intermediate level are strongly recommended.

All courses required for the major must be taken for a letter grade and may not be taken on a Pass/No Pass basis.

Pre-Optometry Program
In cooperation with the New England College of Optometry in Boston, a unique opportunity exists for qualified students to receive the B.S. in biology and a Doctor of Optometry (O.D.) in seven years. The program allows the University of Hartford student to complete the fourth year B.S. science requirements at the New England College of Optometry.

Applicants must be highly qualified high school seniors or beginning college students. If accepted into the program, they are expected to maintain a 3.0 overall minimum grade point
average during their three years at the University of Hartford. Final admission to the New England College of Optometry is contingent upon successful completion of the first three years leading to a B.S. in biology, satisfactory optometry college admission test scores, and recommendation from the University of Hartford Preprofessional Advisory Committee.

**Biology Honors Program**
A candidate for honors must be a biology major, have at least sophomore standing (second year), and have achieved a GPA of 3.0 in natural science courses, including CH 110-111, or CH 114 with CH 136; and either BIO 122-123 or BIO 212-213 (or their equivalents). Selection of students into the Honors program will be through departmental review. If appropriate and necessary, upper-level courses normally required for the major may be waived for honors students with departmental approval. Successful completion of the Honors program requires (1) successful completion of the biology major requirements with a GPA of at least 3.0 and (2) completion of at least 6 credits of BIO 482, 483 Honors Research in Biology.

**Experiential Education Program**
The University’s Experiential Education program (see page 17) extends to the biology major students. Majors are eligible for the program upon the completion of 30 academic credits, including 8 credits of chemistry (CH 110-111) and 8 credits of biology (BIO 122 and 123, or BIO 212 and 213), with a GPA of 2.5 minimum and permission of the department.

To receive credit toward graduation, a student must enroll for at least two semesters, a minimum of 6 credits: a maximum of 9 credits may be counted toward the 120 credits required for the bachelor’s degree. Courses count as unrestricted electives and are graded on a Pass/No Pass basis.

**Requirements for the Biology Minor**
Students choosing a minor in biology must complete a minimum of 18 biology credits approved by the department chairman and apply for a minor in biology not later than the end of the sophomore year. Additional credit may be required where biology courses with a chemistry prerequisite are included. The specific curriculum will be planned to suit individual student goals. AUCT 120 and AUCT 140 with laboratory may be applied to the minor with permission of the department chair.

**Minors for Biology Majors**
It is recommended that biology majors, in either the B.S. or B.A. program, consider minors within other departments. The completion of a minor will expand career options and improve potential for employment or graduate school. Biology majors wishing to pursue minors in other departments or schools should consult with their advisors for the recommended sequence of courses. Minors in computer science, psychology, communication, physics, philosophy, professional and technical writing, and environmental studies should be considered. The environmental studies minor is described elsewhere in this Bulletin. For the environmental studies major, which is being developed and currently available as a contract major, see Contract Majors, page 111. Programs in the Hartford Art School, the Barney School, the Department of Engineering, and the College of Education, Nursing and Health Professions fit particularly well with the required sciences.

**Writing Requirement**
Biology department writing requirements include essay tests, laboratory reports, and short papers.

**Course Descriptions**

**BIO 100, 200, 300, 400, 500 Cooperative Education Program** [all 3 credits] Paid work experience in a biological industry under supervision of the biology faculty. Regular reports and the completion of the goals set by a learning contract are required. Prerequisite: Sophomore standing (see departmental description above).

**BIO 110, 111 General Biology** [4, 4] BIO 110 considers the following topics in a broad, general survey for the nonmajor: the cellular nature and energy requirements of plants and animals; evolution; genetics; species interaction; ecology. BIO 111 emphasizes the relationship between structure and function of all the systems of the human body. The laboratory is correlated with the lecture. Credit toward a biology major or minor by permission only. Laboratory fee.

**BIO 122, 123 Biological Science** [4, 4] An introduction to plant and animal biology that focuses on four specific aspects of evolution—biochemical, physiological, cytological, and ecological—presented during two semesters. Each area is presented through small-group, intensive laboratory units employing modern research techniques. Formal lectures unify laboratory experiences. Prerequisite: Minimum of
one year of high school chemistry. Corequisite: Either CH 110 and 111, or CH 114 and 136. Laboratory fee.

BIO 190, 195 Special Studies in Biology [4, 4] An exploration of various topics in biology selected to emphasize science as a way of knowing. Laboratory fee.

BIO 210/PSY 210 Physiological Psychology [3] This course is an introduction to the physiological bases of behavior in normal psychological functioning. Topics include neuron structure and function, functional neuroanatomy, drugs and behavior, and the physiology of hunger, sex, sleep, emotion, reward/ punishment, language, and learning and memory. Prerequisites: PSY 101 or 102, and BIO 110 or 111.

BIO 212, 213 Human Anatomy and Physiology [4, 4] A study of human tissues and organ systems. BIO 212: muscular, skeletal, nervous, and endocrine systems; skin and special senses. BIO 213: circulatory, respiratory, digestive, excretory, and reproductive systems; blood and metabolism. Laboratory dissection and physiology experimentation are coordinated with lecture material. This course is for health science students and it is recommended that they be taken in order. Prerequisites or corequisites: CH 114 and 136, or CH 110-111. Laboratory fee.

BIO 260W Ecology [4] Introduction to the study of ecosystems, including physical, chemical, and biological components. Emphasis on bioenergetics, succession, distribution of organisms, population dynamics, and speciation. Laboratory studies include use of the major techniques of field and laboratory research in ecology. Prerequisites: BIO 122 and BIO 123, or equivalent. (Writing-intensive course)

BIO 272W Genetics [3] A study of the gene, its structure, control, and role in determining the chemical and physical characteristics of cells and individuals. Analysis of Mendelian ratios and chromosome maps. Prerequisites: BIO 110, BIO 111, and BIO 122; or CH 114 and CH 136. (Writing-intensive course)

BIO 273W Genetics Laboratory [1] Topics include simple statistical analysis of data derived from crossing fruit flies or other organisms, cell hybridization, extraction of plasmids from bacteria, transformation and induction of mutations in bacteria. Corequisite: BIO 272W. (Writing-intensive course) Laboratory fee.

BIO 336 Comparative Animal Physiology [4] Basic physiological processes of animals are presented. Topics include nervous systems, muscle function, circulation of blood, respiration, osmoregulation, and excretion. Laboratory investigations extend the lecture presentation. Prerequisites: CH 230-231; or CH 114 and 136; or at least 16 credits in biology, including BIO 352. Laboratory fee.

BIO 337W Immunology [3] A detailed study of the cellular and humoral components of the immune system. The course surveys immunological and chemical methods and current theories of immunity. Topics include humoral immunity, cell-mediated immunity, cellular cooperation, hypersensitivity, transplantation, and cancer immunology. A series of immunological laboratory exercises reinforces basic concepts. Prerequisites: CH 230-231; or CH 114 and 136; or at least 16 credits in biology, including BIO 352. (Writing-intensive course)

BIO 338 Immunology Laboratory [1] The laboratory course provides the students with a survey of the major types of immunological methods and includes the development and evaluation of an antisera. Prerequisite or corequisite: Course in immunology or permission of instructor. Laboratory fee.

BIO 352 Cell Biology [4] Detailed study of the structural and functional components of the cell, understood in terms of the molecular building blocks for each cellular component. Major concepts include evolution, chromosome structure, the cytoskeleton, membrane transport, the generation of cellular energy, vesicle trafficking, and cell cycle regulation. The laboratory makes extensive use of microscopy of live and fixed specimens, and includes some molecular biology. Prerequisites: BIO 122, or BIO 212 and BIO 213, depending on the major; and BIO 272W; and BIO 273W. Laboratory fee.

BIO 380 Plant Propagation [4] A theoretical and practical course investigating the techniques of seedage, cuttage, grafting, and budding. Principles governing the identification, propagation, and growth of annuals, biennials, and perennials cultured under greenhouse or indoor conditions are considered. Prerequisite: 8 credits of biology. Laboratory fee.

BIO 382 Honors Seminar in Biology [.5] This seminar reviews literature of one topic of current interest in biology, critically analyzing research papers and discussing the contribution of that research to the overall understanding of
a particular problem in biology. Prerequisite: Admission through departmental approval to the Honors program.

**BIO 401, 402, 403, 404 Biology Internship** [3, 6, 9, 12] The Department of Biology maintains a number of affiliations with agencies able to offer students a perspective-broadening internship experience that provides an opportunity to apply theoretical concepts, to develop expertise in fields outside faculty research interests, to broaden professional contacts and explore career goals. This off-campus activity is under close faculty supervision and requires related reading and writing assignments. Students may not accumulate more than 15 credits of internship in biology. Prerequisite: A minimum of six courses in biology that are applicable toward the major. Specific courses may be required for particular internship experiences. An overall GPA of 2.7 is required for consideration into the program.

**BIO 420 Comparative Anatomy** [4] A detailed study of vertebrate anatomy emphasizing adaptive evolutionary structures. Laboratory work includes dissection of selected chordates to demonstrate these structures. Prerequisite: BIO 123. Laboratory fee.

**BIO 440 Medical Microbiology** [4] Host-parasite relationships of representative bacterial, fungal, viral, and protozoan pathogens are examined. An organ-system approach is used to survey pathogens, and this is correlated with laboratory materials. An introduction to immunology as a host defense mechanism and a diagnostic tool is included. Prerequisites: CH 110-111; or CH 114 and 136; and at least 12 credits in biology, including BIO 272W and BIO 273W. Laboratory fee.

**BIO 442 Microbiology** [4] The morphology, physiology, and genetics of microorganisms are examined. Experiences in the laboratory include sterile techniques, culture methods, identification procedures, and quantitative analysis of bacteria. Prerequisites: CH 110-111; or CH 114 and 136; and at least 12 credits in biology, including BIO 272W and BIO 273W. Laboratory fee.

**BIO 444/CH 444 Biochemistry** [3] This is a survey of cell chemistry, including energy generation, enzymology, biosynthetic and catabolic pathways, and the control of metabolism. Quantitative problems in biochemistry are given. Prerequisites: CH 230-231, or CH 114 and 136, and at least 16 credits in biology; chemistry majors: CH 230-231 and at least 16 credits in chemistry, with 8 credits of biology or equivalent recommended.

**BIO 445 Biochemistry Laboratory** [2] Biochemical techniques, including quantitative analysis, radioisotopes, chromatography, centrifugation, and enzyme purification and assays are presented in laboratory experiments. Corequisite: BIO 444 or permission of instructor. Laboratory fee.

**BIO 471 Recombinant DNA Biology** [4] This course covers the theory, development, and practice of basic technologies used in recombinant DNA studies. It provides laboratory experiences with vector DNA isolation, hybrid plasmid formation, restriction mapping, clone selection, and gene expression. Recombinant DNA technologies in basic and applied biological sciences are discussed. Prerequisites: BIO 352, BIO 272W, BIO 273W, and CH 110-111 or CH 114. Laboratory fee.

**BIO 482, 483 Honors Research in Biology** [3] These courses involve original, independent research in the biological sciences under the supervision of a faculty member in the department. Completion of them requires the submission of a written thesis and oral presentation of results. No more than 3 credits may be taken in any one semester, and no more than 3 credits may be taken during the junior year. Prerequisites: Admission to the Honors program and junior standing.

**BIO 493 Special Problems** [1–4] Independent study/research in a field of special interest under faculty supervision. Registration requires the signature of the sponsoring faculty member. Prerequisite: Departmental approval. Laboratory fee.

**BIO 495, 496, 497, 498 Special Studies in Biology** [3, 3, 4, 4] An exploration in depth of a modern topic in biological sciences. Prerequisite: Permission of instructor. Laboratory fee for BIO 497 and 498 only.

**Graduate Courses**

The following graduate-level courses are open to qualified students:

- BIO 518 Neuropharmacology [3]
- BIO 520/PSY 571 Introduction to Neuroanatomy [3]
- BIO 536 Animal Physiology [3]
- BIO 537 Plant Form and Function [4]
- BIO 538 Principles of Neurophysiology [4]
- BIO 555 Vertebrate Histology [4]
- BIO 556 Micro-cyto Techniques [4]
- BIO 557 Animal Development [3]
BIO 560 Techniques in Electron Microscopy [4]
BIO 576 Pathophysiology [3]

Graduate Programs

Master of Science
Thesis and Non-thesis tracks in Neuroscience
For a detailed description of the above graduate programs, please see the Graduate Bulletin.

Chemistry

Professors Bogucki (emeritus), Gray, Pence, Workman
Associate Professors Craft, Mahan (Chair), Sharpless (emeritus), Shattuck

The Bachelor of Science program described below is designed to meet the standards set by the Committee on Professional Training of the American Chemical Society, and students who complete the B.S. program will be ACS certified upon graduation.

Undergraduate Major Program (B.S.)
The Bachelor of Science program offers students the opportunity to prepare for careers in chemistry or related professions. With its heavier concentration in science and mathematics, it prepares a student for positions in the chemical industry or for graduate school.

Requirements for the Major
Required credits: 71–72
49 credits of chemistry, including
CH 110-111 College Chemistry
CH 226 Quantitative Analysis
CH 230-231 Organic Chemistry
CH 347-348 Physical Chemistry
CH 349W Physical Chemistry Laboratory
CH 426 Instrumental Analysis
CH 444 Biochemistry
CH 450 Inorganic Structure and Bonding
CH 456W Advanced Synthesis and
6 credits of advanced chemistry electives
40 credits of physics as follows:
PHY 112 and PHY 214 Calculus-Based Physics
or
PHY 120-121 Algebra-Based Physics
32 credits of mathematics as follows:
M 144 Calculus I
M 145 Calculus II
3 credits of computer science as follows:
CS 111 Programming Foundations

It is strongly recommended that both M 240 and M 242 be taken.

3 credits of computer science as follows:
CS 111 Programming Foundations

At least one year of study in a language other than English is strongly recommended.

All courses required for the major must be taken for a letter grade, and may not be taken on a Pass/No Pass basis. In order to complete the B.S. program in four years it is essential that students enroll in CH 110-111 in their first year.

Undergraduate Major Program (B.A.)
The Bachelor of Arts program is primarily for students who have a special interest in chemistry but who intend to pursue careers in such fields as medicine, dentistry, education, or business.

Requirements for the Major
Required credits: 58
36 credits of chemistry, including
CH 110-111 College Chemistry
CH 226 Quantitative Analysis
CH 230-231 Organic Chemistry
CH 347-348 Physical Chemistry
CH 349W Physical Chemistry Laboratory
CH 450 Inorganic Structure and Bonding

6 credits of advanced chemistry electives
8 credits of physics as follows:
PHY 112 and PHY 214 Calculus-Based Physics
or
PHY 120-121 Algebra-Based Physics
8 credits of mathematics as follows:
M 144 Calculus I
M 145 Calculus II

3 credits of computer science as follows:
CS 111 Programming Foundations

All courses required for the major must be taken for a letter grade and may not be taken on a Pass/No Pass basis.

In order to complete the B.A. program in four years it is essential that students enroll in CH 110-111 in their first year.

Environmental Studies and Environmental Sciences
The college is currently developing majors in environmental disciplines, which can currently be completed as contract majors (see page 111).

Requirements for the Minor
The course requirements for a minor in chemistry include CH 110-111, plus 15 additional credits in chemistry (at level 2 or above), or BIO 445 Biochemistry laboratory. All courses
must be taken for a letter grade and must be completed with an average of C or better. The minor is declared by completing a Change of Major form.

Writing Requirement
In the Chemistry department, the Arts and Sciences writing requirement will be fulfilled in laboratory courses by the required weekly laboratory reports, a term paper, or problem sets. In non-laboratory courses, the requirement will be met by a term paper, essay questions on examinations, or problem sets. It is expected that a median of about 2,000 words will be required per student per semester for all upper-level courses.

Course Descriptions

CH 110-111 College Chemistry [4-4] Basic principles of chemistry, including atomic and molecular theory and structure; the chemical and physical behavior of gases, solids, liquids, and solutions; chemical equations; thermochemistry; chemical equilibrium; acid-base theory; electrochemistry; kinetics; nuclear chemistry; metal complexes; and an introduction to inorganic and organic chemical reactions. Laboratory experiments designed to acquaint students with quantitative measurements as applied to chemical behavior. For science, engineering, and mathematics majors. One three-hour laboratory in addition to lecture. Prerequisite: Working knowledge of algebra and logarithms. Laboratory fee.

CH 114 Principles of Chemistry I [4] Chemistry of solids, liquids, gases, and solutions; colligative properties, bonding theory, acids and bases, and chemical equilibria. Designed for students, such as nursing, health science, humanities, and social science majors, who desire or require a one-semester introduction to the principles of inorganic and physical chemistry. May be used to fulfill part of the general education distribution requirements in the natural sciences. The combination of CH 114 and CH 136 constitutes a one-year general survey of the major areas of chemistry. Not intended for majors in biology (B.S.), chemistry, engineering, or physics, or students planning to apply to a professional school in the medical sciences (premedical, predental, etc.). No credit given to students who have received credit for CH 110 or CH 111, or equivalent. One three-hour laboratory in addition to lecture. Prerequisite: CH 114 or equivalent. Laboratory fee.

CH 116 Chemistry for the Consumer [4] An introductory course for the non-science major emphasizing the role of chemistry in technological problems of concern to society, such as environmental pollution, licit and illicit drugs, energy alternatives, household chemicals, food additives, nutrition, crime detection, and agricultural production. No credit given to students who have received credit for CH 114 or CH 110, and/or CH 111, or equivalent. One two-hour laboratory in addition to lecture. Laboratory fee.

CH 136 Principles of Chemistry II [4] The chemistry of carbon compounds, including functional group chemistry, natural products, stereochemistry, and compounds of biochemical importance. Designed for students who desire or require a one-semester introduction to organic chemistry and biochemistry. The combination of CH 114 and CH 136 constitutes a one-year general survey of the major areas of chemistry. Not intended for majors in biology (B.S.), chemistry, engineering, physics, or students planning to apply to a professional school in the medical sciences (premedical, predental, etc.). No credit given to students who have received credit for CH 230 and/or CH 231, or equivalent. One three-hour laboratory in addition to lecture. Prerequisite: CH 114 or equivalent. Laboratory fee.

CH 210 Environmental Chemistry [3] Second-year chemistry course for students who desire analytical and physical chemistry oriented toward solving environmental problems. Subject matter includes sources, cycles, and sinks of chemical pollutants; detection and reactions of unwanted chemicals in the biosphere. Prerequisite: CH 111 or equivalent.

CH 211 Water Chemistry Laboratory [1] An introduction to measurement techniques and instrumentation of water quality analysis. Experiments include electrode determinations, titrations, colorimetry, atomic absorption spectroscopy and biological assay. This course is intended to provide skills in water quality measurement and interpretation. One three-hour laboratory. Prerequisite: CH 111 or equivalent. Laboratory fee.

CH 226 Quantitative Analysis [5] Fundamentals of quantitative chemical analysis. Topics will include gravimetric analysis, titrimetry, electroanalytical methods, spectrophotometric methods, potentiometry, statistical analysis, and basic chromatography. A problem-solving approach will be stressed. Two three-hour labo-
ratories in addition to lecture. Prerequisite: CH 111 or equivalent. Laboratory fee.

CH 230-231 Organic Chemistry [4-4] Fundamentals of structure and reactions of carbon compounds. Emphasis on reaction mechanisms, synthesis, stereochemistry, and chemical and spectroscopic methods of analysis. One three-hour laboratory in addition to lecture. Prerequisites: CH 111 or equivalent. Laboratory fee.

CH 282, 283 Introduction to Research [2, 3] An introduction to research techniques and methods involving a project guided by a faculty member and culminating in the written presentation of results. Students enrolled in this course acquire the foundations for making independent decisions required to carry out original research. A student may enroll in research (CH 282, 283, 482, 483, or 484) more than once; however, a maximum of 3 credits may be applied toward chemistry electives required for the chemistry minor. Prerequisites: CH 111 or equivalent, and permission of the department. Laboratory fee.

CH 347-348 Physical Chemistry [3-3] The laws of thermodynamics and their application to the properties of gases, liquids, and solids, and to homogeneous and heterogeneous equilibria; electrochemistry; chemical kinetics, introduction to quantum theory and its application to atomic and molecular structure and spectra; statistical mechanics and thermodynamics. Prerequisites: M 240 or M 242, one year of college physics, and CH 111. CH 231 and M 242 are recommended.

CH 349W Physical Chemistry Laboratory [3] Introduction to physical measurements in chemistry. Experiments are carried out in thermodynamics, thermochemistry, chemical kinetics, and spectroscopy. Emphasis is placed on the statistical treatment of experimental data and computer programming. Two three-hour laboratories in addition to lecture. Prerequisites: CH 347, CS 111 or CS 114, and CH 226. CH 231 is recommended. Laboratory fee. (Writing-intensive course)

CH 390, 391 Special Topics in Chemistry [3] Lecture and laboratory courses on special topics in various branches of chemistry to increase the depth and breadth of chemical understanding for both chemistry and non-chemistry majors by expanding on topics covered in the chemistry curriculum. These courses may not be counted as advanced chemistry electives by chemistry majors. Prerequisite: Permission of instructor. For laboratory courses, laboratory fee.

CH 426 Instrumental Analysis [4] Instrumentation and instrumental methods of analysis are discussed, including spectroscopic (mass spec., IR, Raman, UV-Visible, NMR, Luminescence, Atomic Absorption, and Lasers), chromatographic (LC, GC, and CE), electrochemical, and surface science techniques. Each method is developed from the theory through the instrumentation to the practical aspects of measurement and interpretation. Two three-hour laboratories in addition to lecture. Prerequisites: CH 226, CH 230, and one PHY course. Laboratory fee.


CH 444/BIO 444 Biochemistry [3] This is a survey of cell chemistry, including energy generation, enzymology, biosynthetic, and catabolic pathways and the control of metabolism. Quantitative problems in biochemistry are given. Prerequisites: BIO majors: CH 230, or CH 114 and 136, and at least 16 credits in biology; chemistry majors: CH 230-231 and at least 16 credits in chemistry, with 8 credits of biology or equivalent recommended.

CH 450 Inorganic Structure and Bonding [3] Topics in advanced inorganic chemistry, such as atomic and molecular term states, valence-bond and molecular orbital theories of chemical bonding, molecular geometry, the hydrogen bond, crystal structure, coordination compounds, and ligand field theory. Prerequisite: CH 348.

CH 456W Advanced Synthesis [3] Synthesis and characterization of organic and inorganic compounds, including such species as metal coordination complexes, organometallics, hydrides, and compounds containing elements in unusual oxidation states. Modern preparative techniques may include ion-exchange, high vacuum, high and low temperature, inert atmosphere, and chromatography. Synthesized compounds are analyzed by physical and chemical methods. Two three-hour laboratory periods in addition to lecture. Prerequisites: CH 231 and 349. Laboratory fee. (Writing-intensive course)
CH 482, 483, 484 Undergraduate Research
[2, 3, 4] Original research in a project approved by the department and supervised by a faculty member, culminating in the writing and oral presentation of the results. A student may enroll in undergraduate research more than once; however, a maximum of 4 credits may be applied toward the advanced chemistry electives required for the chemistry major. With approval of the department, credit in CH 482, 483, or 484 may be substituted for other required courses, such as CH 456, or the third semester of physics if the research area is sufficiently similar. Prerequisite: Permission of the department. Laboratory fee.

Graduate Courses
The following graduate-level courses are open to qualified students; for further details, see the University of Hartford Graduate Bulletin.

CH 519 Applied Environmental Chemistry [3]
CH 520 Advanced Analytical Chemistry [3]
CH 530 Advanced Organic Chemistry [3]
CH 534 Polymer Chemistry I [3]
CH 540 Advanced Physical Chemistry [3]
CH 550 Inorganic Structure and Bonding [3]
CH 551 Chemical Kinetics [3]
CH 590, 591, 592, 593 Special Topics in Chemistry [3, 3, 4, 4]

Chemistry-Biology Joint Major
Professors Pence, Workman (Chemistry)

Undergraduate Major Program (B.S.)
This program provides heavy involvement in both the named disciplines and is designed mainly for students planning careers in medicine, dentistry, veterinary medicine, or other health science fields, or for those who plan to do graduate work in biochemistry or biology. Students are advised to concentrate in one or both fields by completing, in addition to the core program, the requirement for a baccalaureate degree in at least one of the disciplines.

Requirements for the Major
Required credits: 78

87 credits from the following courses:
a. 34 credits of chemistry:
CH 110-111 College Chemistry
CH 226 Quantitative Analysis
CH 230-231 Organic Chemistry
CH 347-348 Physical Chemistry
CH 349W Physical Chemistry Laboratory
CH 426 Instrumental Analysis
b. 25 credits of biology completed with an average grade of C or better:
BIO 122, 123 Biological Science
BIO 352 Cell Biology
BIO 272W-273W Genetics
BIO 444, 445 Biochemistry (lecture and laboratory)
c. And one of the following courses:
BIO 336 Comparative Animal Physiology
BIO 420 Comparative Anatomy
BIO 440W Medical Microbiology
BIO 442 Microbiology
BIO 536-537 Animal Physiology
BIO 557 Animal Development
d. 8 credits of physics:
PHY 112 and PHY 214 Calculus-Based Physics
or PHY 120-121 Algebra-Based Physics
e. 8 credits of mathematics:
M 144 Calculus I
M 145 Calculus II

In addition, it is strongly recommended that both M 240 and M 242 be taken.

f. 3 credits of computer science:
CS 111 Programming Foundations

All courses required for the joint major must be taken for a letter grade and may not be taken on a Pass/No Pass basis.

Upon completing the above required program, as well as the Arts and Sciences distribution requirements, the student must elect sufficient credits in free electives for an overall total of 120 credits.

Writing Requirements
In the Chemistry-Biology program the Arts and Sciences writing requirement will be fulfilled in laboratory courses by the required weekly laboratory reports, a term paper, or problem sets. In nonlaboratory courses, the requirement will be met by a term paper, essay questions on examinations, or problem sets. It is expected that a median of about 2,000 words will be required per student per semester for all upper-level courses.

Cinema
Professors Lang, Walsh
Associate Professor Banks (chair)
Assistant Professor Cook

The cinema major provides students with a comprehensive understanding of film as art and a thorough grounding in the vocabulary, methodology, and bibliography of cinema. The program combines a humanities approach to film studies with a variety of options in film-
making and television production. Facilities include a classroom for projection of 16mm film, DVD, laserdisc, and videotape. Production and editing equipment emphasizes “hybrid” models of film/videomaking and includes Bolex 16mm film cameras; Panasonic digital video cameras, which feature 24p technology; and lighting and sound recording equipment. Post-production takes place in our editing laboratory, which consists of several Macintosh computer-based, nonlinear editing workstations running Final Cut Pro as well as 16mm editing equipment, including a Steenbeck flatbed editing table. Graduates are prepared for graduate school or for entry-level employment in the media industries.

The University enjoyed a close relationship with movie great Katharine Hepburn (1907–2003), whose career spanned seven decades, a record 12 Oscar nominations, and four Oscar awards. Hepburn donated to the University both her girlhood home (now part of the campus) and her personal library of copies of her own films. The Hepburn estate has promised a future gift of one of her Oscar statuettes to the University.

Requirements for the Major

Required credits: 36

All students take seven courses (21 credits) in film studies. These seven courses are divided into three groups: Introduction, Grounding, and Study in Depth. All students take a further five courses (15 credits) from a fourth group titled Self-Definition. These final five courses may be taken either in film studies, in film/TV production, or in a combination of the two. All students who successfully complete these requirements are eligible for a B.A. in cinema; there are no formal tracks in the major.

All cinema majors must take

**Group I**
*Introduction* (one course, 3 credits)
CIN 150 Introduction to Film (CMM 150)

**Group II**
*Grounding* (three courses chosen from the following four, 9 credits)
CIN 230 Introduction to Filmmaking
CIN 250 World Cinema (ML 251)
CIN 251W Film History
CIN 252W Film Analysis

**Group III**
*Study in Depth* (three courses chosen from the following five, 9 credits)
CIN 311 Film Directors
CIN 312 National Cinemas
CIN 313 Film Genres
CIN 314 Studies in Film
CIN 330 Topics in Filmmaking

**Group IV**
*Self-Definition* (five courses chosen from the 12 below, 15 credits)

After completing the first three groups of requirements, a cinema student is expected to make a mature and informed decision on how best to complete the major. Some will wish to select courses in film/TV production, while others will continue with film studies, and yet others will combine these two options. Because the specific content varies from semester to semester, CIN 311, 312, 313, 314, and 330 may be repeated for credit. As long as the student does not repeat content from Group III, the following courses in film studies may be counted toward the completion of the major:

- CIN 311 Film Directors
- CIN 312 National Cinemas
- CIN 313 Film Genres
- CIN 314 Studies in Film
- CIN 330 Topics in Filmmaking

The following courses in film and television production may also be counted toward the completion of the major:

- CIN 225 Storytelling for the Screen
- CIN 230 Introduction to Filmmaking
- CIN 335 Screenwriting II
- CIN 430 Producing/Directing
- CMM 244 Television Studio Production
- CMM 345 Video Field Production
- CMM 440 Advanced Television Production
- VDO 220 Introduction to Video

Departmental policy requires that for all upper-division courses, there will be a substantial writing requirement of at least 3,000 words, which will vary in format depending on the nature of each course. Courses counting toward the major must be taken for a letter grade; they may not be taken Pass/No Pass.

Requirements for the Minor

Required credits: 15

**I. Introduction** (one course, 3 credits)
CIN 150 Introduction to Film (CMM 150)

**II. Grounding** (two courses chosen from the following three, 6 credits)
CIN 250 World Cinema (ML 251)
CIN 251W Film History
CIN 252W Film Analysis

**III. Study** (two courses chosen from the following four, 6 credits)
CIN 311 Film Directors
CIN 312 National Cinemas
CIN 313 Film Genres
CIN 314 Studies in Film
CIN 330 Topics in Filmmaking
CIN 313 Film Genres
CIN 314 Studies in Film

Faculty advisors will provide students with course recommendations for the minor that reflect individual educational and career objectives.

Course Descriptions

CIN 150/CMM 150 Introduction to Film [3]
Study of cinema as a cultural and artistic form. Emphasis on techniques (camera, editing, color, sound, composition) and styles (realism, expressionism, abstraction). Film fee.

CIN 220 Film and Video Lighting [3]
This course exposes students to many concepts and techniques in lighting for video and film, from theoretical aspects—such as brightness range manipulation and the measuring and evaluation of light—to the practical considerations of instrumentation and gelatin use. Students gain both the recognition of subjective effects of light in nature and the necessary skills to reproduce them using objective principles and applications. Film fee.

CIN 225 Storytelling for the Screen [3]
A writing workshop focusing on conceptualization, planning, and scripting of various film and video projects. Students write screenplays for a short film and segments of a full-length feature or documentary project. Focus is on the skill of drafting and the specific uses of language for the screen, and on refinement and presentation of ideas into treatment or proposal form.

CIN 230 Introduction to Filmmaking [3]
Introduction to basic principles, techniques, and aesthetics of motion picture production. The course emphasizes practice with a series of several short-term assignments in the first two-thirds of the semester, and the development of a focused production project in the last third of the semester. Working in small production crews and with the medium of digital video, students gain a practical and theoretical understanding of the basic principles of camera and editing for motion picture production. Prerequisite: CIN/CMM 150. Laboratory fee.

CIN 250/ML 251 World Cinema [3]
An introductory survey of international cinema, selecting classic films of the major national cinemas (France, Italy, Germany, Sweden, Russia, Japan) along with important works from other cinemas (e.g., Yugoslavia, India, Brazil, Senegal). Weekly screenings. Prerequisite: CIN/CMM 150. Film fee.

CIN 251W Film History [3]
From 1895 to the present, a survey of the defining developments in technology (sound, color, widescreen) and national styles (primitive cinema, silent cinema, German expressionism, Soviet montage, French poetic realism, classical Hollywood cinema, Italian neorealism, French New Wave, American experimental cinema, the new Hollywood). Weekly screenings. Pre- or corequisite: CIN/CMM 150. (Writing-intensive course) Film fee.

CIN 252W Film Analysis [3]
Close study of the formalism of Eisenstein, the realism of Bazin, the auteur theory, and semiotics. Film analysis asks whether a movie is more like a painting, a window on the world, or a mirror for the desires of the audience; it asks whether there is a language of film, whether seeing a film is like dreaming, and what makes for the impression of reality in the cinema. Weekly screenings. Pre- or corequisite: CIN/CMM 150. (Writing-intensive course) Film fee.

CIN 253/ENG 253 Shakespeare on Film: Plays to 1600 [3]
A close study of the transformation into film of dramas of Shakespeare written chiefly before 1600 (first semester), including The Taming of the Shrew, Romeo and Juliet, Julius Caesar, and Henry V. Prerequisite: ENG 140 or DRA 160. Film fee.

CIN 254/ENG 254 Shakespeare on Film: Plays after 1600 [3]
A close study of the transformation into film of dramas of Shakespeare written chiefly after 1600 (second semester), including Hamlet, King Lear, Macbeth, and Anthony and Cleopatra. Prerequisite: ENG 140 or DRA 160. Film fee.

CIN 311 Film Directors [3]
Extended close study of one or more of the major individual figures in cinema (e.g., Eisenstein, Chaplin, Welles, Hitchcock, Godard). Specific director varies by the semester; thus, the course may be repeated for credit. Prerequisite: CIN/CMM 150. Film fee.

CIN 312/ML 351 National Cinemas [3]
Thorough survey of one or more of the major national cinemas (American, British, French, German, Italian, Japanese). Specific national cinema varies by the semester; thus, the course may be repeated for credit. Prerequisite: CIN/CMM 150. Film fee.
CIN 313 Film Genres [3] Close study of one or more historically important genres in cinema (documentary, melodrama, film noir, horror, western, musical, experimental film). Specific genre varies with the semester; thus, the course may be repeated for credit. Prerequisite: CIN/CMM 150. Film fee.

CIN 314 Studies in Film [3] Intensive study of a major motif, topic, or limited period in film (City in Film, Fantasy and Realism in Cinema, Masculinity in the Movies). Specific topic varies by semester; thus, the course may be repeated for credit. Prerequisite: CIN/CMM 150. Film fee.

CIN 330 Topics in Filmmaking [3] Intermediate-level film/video production course providing students who have a foundation in production with an opportunity to develop depth through intensive study in specialized areas of the filmmaking process (for example, lighting and cinematography, editing and sound design, documentary filmmaking). In each topic, emphasis is placed on the study of the history of the particular area of focus, on the relationship of film form to content, as well as on the acquisition of professional skills. Specific topic varies by the semester; thus, the course may be repeated for credit. Prerequisite: CIN 230 Introduction to Filmmaking. Materials fee.

CIN 335 Screenwriting II [3] Building on skills introduced in Screenwriting I, combines writing and speaking activities with the analysis of sample films and screenplays. The successful student gains an enhanced understanding of narrative form and improved screenwriting skills. Weekly writing assignments lead toward a feature-length screenplay. Prerequisite: CIN 225.

CIN 354/GS 354 Women in Film [3] Images of women in films both popular and alternative, history of melodrama or “women’s pictures,” films made by women, feminist film theory. Prerequisite: ENG 140, or CIN/CMM 150, or GS 110; or permission of instructor. Film fee.

CIN 356/ENG 356 Movie-Made America [3] Cultural history of the major studio era in American film, from the early 1920s to the late 1950s, with emphasis on forms, characters, and themes that have shaped popular social attitudes in America. The American film industry is examined as a major institutional force in national politics. Prerequisites: ENG 140 and CIN/CMM 150, or permission of instructor. Film fee.

CIN 387, 388 Independent Study [1–6] Advanced independent research and learning in areas not covered by conventional CIN offerings. May not be used in lieu of a conventional course. Usually taken after having completed successfully a substantial number of courses in the department. Requires submission of an articulate proposal for the study and prior arrangement with the prospective advisor. Prerequisite: Permission of instructor.

CIN 390 Special Topics in Cinema [3] Introduces significant topics in accordance with needs and interests of students and the community. Uses specialists in various areas of cinema. Prerequisite: Varies with offerings.

CIN 415/DRA 415 Acting for the Camera [3] Instruction and practical experience in performing for the camera. Class stresses process and terms used in television and film production from the standpoint of the performer. Regular on-camera experience enables students to study themselves and others on the monitor in order to observe their progress. Differences between film and stage work are emphasized, giving the film or drama student an overview of the two forms from a production standpoint. Prerequisites: DRA 264 and DRA 265, or permission of instructor.

CIN 430 Producing and Directing [3] A semester-long production workshop in which students each propose and produce an original short film. Working in a sustained manner during the entire semester, students bring their projects through the stages of preproduction (casting, location arrangement, permissions, costumes, scheduling of crew), production (cinematography and sound recording), post-production (editing and arranging of sound and picture material produced), and the initial stages of distribution (public screening of work). Prerequisites: CIN 230 and CIN 330, or permission of instructor.

CIN 480 Cinema Internship Program [1–3] The internship program provides students with an opportunity to augment their studies with a 12- to 15-week work experience in a film or television organization. Typically, students work from 7 to 15 hours each week, depending on the number of credits for which they are enrolled. Usually taken after successful completion of a substantial number of CIN courses. Requires submission of an articulate proposal and prior arrangement with an advisor. Available to cinema majors only. Additional details about the program are available on request from the chair of the department. Prerequisite: CIN/CMM 150.
School of Communication

Professors  Burt, Desmond, Duran, Ellis, Jassem, Kelly (Director), Siegel
Associate Professors  Banks, Grantham, Jacobs, Kovacic, Muppidi
Assistant Professors  Cistulli, Miller

Undergraduate Major Program (B.A.)
The undergraduate major in communication provides students with an opportunity to acquire understanding of the process and impact of communication in a variety of contexts.

In addition to acquiring a broad awareness of the role of communication in society, students choose an emphasis in one of the following areas: (1) Advertising and Public Relations, (2) Media and Journalism, or (3) Human Communication Studies.

Whichever emphasis is chosen, communication majors must also take two courses in the school from outside their emphasis.

Students majoring in communication generally apply their learning in one of two ways. First, they might work in an explicitly communication-related field, such as journalism or other area of publishing, traditional or new media, public relations, or advertising. Alternatively, our graduates often work in the communication departments of companies that are not themselves part of the communication industry. This might include nonprofit association management, events planning, or human resources, as well as a host of communication-related functions in such settings as healthcare organizations and educational settings.

For practical communication experience, students may participate in such activities as the Public Relations Student Society of America; the annual Advertising Competition; WWUH (FM) or WSAM (AM/FM) radio; the Student Television Network, which produces the weekly Channel 2 newscast; Hawk Sports Television; and the student newspaper, The Informer. Qualified communication majors may also seek membership in Lambda Pi Eta, the discipline’s national honor society.

The school also offers an extensive internship program for all qualified majors in such settings as commercial or educational television and radio stations, weekly and daily newspapers, public relations firms, advertising agencies, and various public and private corporations and not-for-profit organizations. Internships provide an opportunity for practical experience in a student’s chosen area of study. In addition, the school offers study abroad opportunities, and a chance to spend a semester in Washington, D.C.

Students may also assist in communication research conducted by the faculty.

Requirements for the Major in Communication

Required credits: 36
Communication majors must have at least a 2.25 grade point average in the major to graduate.

Each major must complete the following courses:

- CMM 110 Introduction to Communication
- CMM 311 Research Methods in Communication
- CMM 411 Communication Theory

Plus one writing course:

- CMM 250W Fundamentals of Journalism
- or
- CMM 253W Writing for the Media

Plus the courses prescribed in the student’s chosen emphasis, as described below.

Plus two courses (6 cr.) in the school, chosen from the other emphases’ offerings. This requirement may be satisfied by taking two courses in one emphasis, or one course in each of the two emphases that are not the student’s own emphasis of study.

For the purpose of satisfying this particular requirement, the following classes are considered part of the Advertising and Public Relations emphasis: 260, 271, 360, 371, 448, 460, 462, 471, and 486. The following classes are considered part of the Human Communication Studies emphasis: CMM 212, 222, 225W, 230, 251, 310, 325, 335, 340, 343, 366, 412, 422, 428, and 447. The following classes are considered part of the Media and Journalism emphasis: CMM 210, 240, 242, 244, 246, 281, 315, 317, 318, 330, 345, 346, 350W, 353, 354W, 355, 356W, 362, 415, 425, 430, 440, 442, 444, 445, 449, 450, 452, 453, 457, 458, and 481.

Requirements for the emphasis in Advertising and Public Relations:

Core courses in the emphasis
- CMM 260 Communication and Advertising
- CMM 271 Introduction to Public Relations
- CMM 360 Advertising Copywriting and Layout
- MKT 310 Introduction to Marketing

Plus one course from the following Communication Analysis offerings:

- CMM 448 Audience Analysis
- CMM 371 Public Relations Cases
- MKT 340 Consumer Behavior
- CMM 310 Political Communication
CMM 346 Media Industries: Ethics, Politics, Economics

Plus one course from the following Communication Campaign offerings:
CMM 460 Advertising Communication Tactics
CMM 471 Public Relations Campaigns
Completion of the two-semester CMM 462 Advertising Competition (6 cr.) may be used to fulfill the communication campaign requirement.

Plus, it is also highly recommended that Advertising and Public Relations students satisfy the requirement of taking two School of Communication classes not in their emphasis selected from the following classes:

One course from the Human Communication Studies emphasis, from a choice of the following:
CMM 222 Small-Group Communication
CMM 225W Interpersonal Communication
CMM 230 Organizational Communication
CMM 447 Linking Interpersonal and Organizational Communication

One course from the Media and Journalism emphasis, from a choice of the following:
CMM 242 Introduction to Radio
CMM 244 Television Studio Production
CMM 281 Introduction to Multimedia

Requirements for the emphasis in Media and Journalism:
CMM 240 Introduction to Media

Plus one course focusing on Media Technology Abilities, from a choice of the following:
CMM 242 Introduction to Radio
CMM 244 Television Studio Production
CMM 281 Introduction to Multimedia

Plus two courses focusing on Criticism and Analysis, from a choice of the following:
CMM 210 Media Literacy
CMM 318 Women and the Media
CMM 330 Gender and Sexuality in Popular Culture
CMM 346 Media Industries: Ethics, Politics, Economics
CMM 362 History of American Journalism
CMM 415 Issues in New Media Technology
CMM 425 Popular Culture
CMM 430/LAH 430 Communication Law in America
CMM 449 Media and Society
CMM 450 International Communication

Plus two courses (with no more than 3 cr. in CMM 406 Internship) focusing on Advanced Media Skills, which must both be taken from one of the following subgroups:

Media Production subgroup:
CMM 345 Video Field Production
CMM 406 Internship
CMM 440 Advanced Television Production
CMM 442 Advanced Radio Production
CMM 481 Advanced Multimedia

Journalism subgroup:
CMM 315 Sports Journalism
CMM 350W News Reporting
CMM 353 Broadcast and Electronic Journalism
CMM 406 Internship
CMM 430/LAH 430 Communication Law in America
CMM 445 News Editing
CMM 317W Creative Nonfiction
or
CMM 354W The Editorial and the Feature Story
or
CMM 356W Magazine Journalism

Media Industries subgroup:
CMM 346 Media Industries: Ethics, Politics, Economics
CMM 406 Internship
CMM 430/LAH 430 Communication Law in America
CMM 444 Broadcast Management Sales and Operations
CMM 260 Introduction to Advertising
or
CMM 271 Introduction to Public Relations
CMM 343 Communication in Contemporary Organizations
or
CMM 412 Communication and Organizational Problem Solving

Media Studies subgroup:
(Choose any additional two courses, at least one of which must be at the 400 level, from the courses focusing on Criticism and Analysis, listed earlier.)

Requirements for the emphasis in Human Communication Studies:
Three courses focusing on Human Communication Processes, from a choice of the following:
CMM 212 Persuasion
CMM 251 Nonverbal Communication
CMM 335 Ethnic and Intercultural Communication
CMM 340 Conflict and Communication
CMM 366 Computer-Mediated Communication
CMM 428 Language and Communication
Plus three courses focusing on Human Communication Contexts, from a choice of the following:
CMM 222 Small-Group Communication
CMM 225W Interpersonal Communication
CMM 230 Organizational Communication
CMM 325 Family Communication
CMM 343 Communication in Contemporary Organizations
CMM 412 Communication and Organizational Problem Solving
CMM 447 Linking Interpersonal and Organizational Communication

Requirements for the Minor in Communication
One course selected from CMM 110, 311, or 411
Two CMM courses (3 cr. each) at or above the 300 level
Three additional 3-credit CMM courses

Accelerated Master of Arts Degree in Communication
The purpose of this program is to enable a University of Hartford student to complete both a Bachelor of Arts and Master of Arts in Communication in five years. This program is designed for exceptional undergraduate students who have demonstrated a commitment to academic excellence and who know in their junior year that they wish to pursue a master’s degree.

In order to qualify for the program, a student must have an overall GPA of at least 3.0 based on a minimum of 70 credits and have a GPA of at least 3.25 in the communication major based on a minimum of 18 credits. Students must apply by April 1 of their junior year. These students will complete the standard application for graduate study, including three letters of recommendation (two of which must come from faculty in the School of Communication). The application will be reviewed by the graduate director and the Admissions Committee of the School of Communication. Students will be informed of the school’s decision by the end of the semester.

If given conditional acceptance to the Master of Arts program, students would become eligible to take 9 credits of graduate course work in communication that would be applied to both the 36 credits required for the B.A. in Communication and to the 33 credits needed for the M.A. in Communication. Thus 9 credits of CMM 500 or CMM 600 courses would be substituted for communication undergraduate electives. These credits would be completed during the summer between the junior and senior year and/or during the regular semester of the senior year.

When the student completes the B.A. in communication, and has received a grade of B or better in each of the 9 credits of graduate course work, the student will be accepted as a matriculated student in the Master of Arts program. The student would need 24 additional credits in graduate course work for the completion of the M.A. The student is expected to take 6 credits of graduate course work within the summer between the senior year and the start of the fifth year, and the remaining 18 credits within the fifth year for completion of the program.

Interested students should contact the graduate program director in the School of Communication.

Course Descriptions

CMM 110 Introduction to Communication [3] An introduction to the field of communication as an academic and professional discipline. The primary goal is to introduce the student to theory and research in the major divisions of the field. The course also introduces the student to communication issues and problem solving in a variety of contexts, including the workplace, the community, the family, the media, journalism, advertising, and public relations.

CMM 111 Business and Professional Communication [3] An analysis of preparing written and oral presentations in a variety of business and professional contexts. Emphasis on a practical and theoretical understanding of organizational, interpersonal, public, and group communication skills in the workplace. Students participate in a discovery learning activity emphasizing presentational and conflict management skills, communication networks, audience analysis, and the utility of multimedia technology. Prerequisites: Professional and technical writing majors and minors: RPW 110 and 111. Other majors: no prerequisite.

CMM 115 Improving Communication Skills [3] Designed to help students develop skill and confidence in two speaking contexts: dyadic and public speaking. Course emphasizes self-assessment, adaptation to listeners and situations, organization and support of ideas, and effective delivery. (Does not fulfill requirements for the communication major.)
CMM 150/CIN 150 Introduction to Film [3] Study of cinema as an art form. Emphasis on techniques (editing, color, sound, composition) and styles (realism, expressionism, impressionism, abstraction). Film fee.

CMM 210 Media Literacy [3] This course introduces students to critical engagement with media. Students learn how to analyze and critique major themes in news and entertainment media, and how to evaluate and participate in media activism. Issues in media economics are examined, and students gain expertise in constructing a World Wide Web presence. Prerequisite: CMM 110.

CMM 212 Persuasion [3] Course is designed to heighten students’ understanding of the ways in which people influence one another with speech and symbolic gestures. Course provides an analysis of social aspects of persuasion, cultural basis of belief, and theories of attitude change. Reasoning and rhetoric in a variety of contexts, including advertising, political campaigns, and social movements, are examined. Prerequisite: CMM 110 or permission of instructor.

CMM 222 Small-Group Communication [3] Introductory examination of the processes affecting small-group communication. Students study leadership, member roles, and group development. In addition, factors affecting the maintenance function of groups and the outcomes of group experiences are emphasized. Prerequisite: CMM 110.

CMM 225W Interpersonal Communication [3] Introduces students to major variables affecting the process of communication, including self-awareness, self-concept, perception, language, self-disclosure, nonverbal communication, empathic listening, and defensiveness. Major theories of interpersonal communication are discussed. Prerequisite: CMM 110. (Writing-intensive course)

CMM 230 Organizational Communication [3] An introductory course that focuses on the pivotal role of communication in linking organizational environments to organizational structure and processes. Also examines how theories of organizations shed light on organizational communication practices and introduces new management perspectives on communication networks and technologies. Prerequisite: CMM 110.

CMM 240 Introduction to Media [3] Survey of the development, uses, economics, and content of communication media. Traditional mass media (broadcast, film, cable television, print), as well as the more interactive and micro media (Internet and digital media), are explored.


CMM 244 Television Studio Production [3] Introduction to television studio production, including basic principles, equipment, and techniques for creating programs in studio environments. Emphasis on performing as a production team member. Laboratory fee.


CMM 250W Fundamentals of Journalism [3] Introduction to the principles and techniques of news selection and journalistic writing, with an emphasis on the form and style of basic news stories. Prerequisite: RPW 110 or permission of instructor. (Writing-intensive course) Laboratory fee.

CMM 251 Nonverbal Communication [3] Survey of the theoretical and empirical literature dealing with selected areas of nonverbal communication, e.g., space and territory relationships, physical characteristics, and vocal cues. Takes a developmental perspective, examining the communicative aspects of nonverbal behavior from infancy to adulthood. Prerequisites: CMM 110 and CMM 225W.

CMM 253W Writing for the Media [3] Introduction to the techniques and principles of writing for three major areas of the media: print and broadcast news, advertising, and public relations. Prerequisite: RPW 110 or permission of instructor. (Writing-intensive course) Laboratory fee.

CMM 260 Communication and Advertising [3] Study of the theories and practices of advertising with special emphasis on message creation and selection of appropriate media. Historical, economic, social, and psychological
aspects of advertising. Practice in applying principles in final term project. Prerequisite: CMM 110 or CMM 240, or permission of instructor.

**CMM 271 Introduction to Public Relations** [3] This course introduces the major components of public relations, including strategies for problem resolution, media to execute strategies, and evaluation to assess program effectiveness.

**CMM 281 Introduction to Multimedia** [3] Introduces the students to the basic principles of computer-mediated communication, multimedia theory, and production for the creation of effective communication projects. Students produce communication projects for presentation and the World Wide Web. Prerequisite: CS 110. Laboratory fee.

**CMM 290, 291, 292 Special Topics in Communication** [1–4] Topics vary from semester to semester in accordance with timeliness, the needs of the Communication curriculum, and the opportunities to explore areas of communication. Prerequisites vary by topic.

**CMM 306, 307 Internship Program** [3, 6] The internship program is intended to provide students an opportunity to augment their studies with a 12- to 15-week work experience in an organization engaged in communication-related activities (marketing, public relations, advertising, journalism, broadcasting, etc.). No more than 6 credits from internships or co-ops may be applied to the communication major. Typically, students work from 7 to 15 hours each week. Additional details about the program are available on request from the director of internships. Prerequisite: Permission of internship director.

**CMM 310/POL 310 Political Communication** [3] Analysis of the contemporary political campaign as an epiphenomenon of modern mass media. Exploration of methods of public opinion measurement, techniques employed to mobilize or modify attitudes and the links between attitude and the act of voting. Democratic theory assumes informed consent, freely given. This course examines the engineering of consent. Prerequisite: CMM 110 for CMM majors; POL 110 or POL 200W or CMM 110, or permission of instructor for POL majors.

**CMM 311 Research Methods in Communication** [3] An introduction to modes of quantitative and qualitative research in communication. Topics include research design and problem formulation, sampling, analytical and observational techniques, and data interpretation applicable to the study of communication. Prerequisite: CMM 110 and junior standing.

**CMM 315 Sports Journalism** [3] A course designed to teach the “sports beat” as simply one more setting demanding highly professional skills as a reporter, as well as to explore the unique features of reporting about sports, e.g., the “game story,” sports terminology, box scores, play-by-play sheets, and standings. Prerequisite: CMM 250W or CMM 253W, or permission of instructor. Laboratory fee.

**CMM 317W/ENG 317W Creative Nonfiction** [3] This advanced prose-writing course explores the development of a personal narrative voice through the blending of journalistic and fictional techniques. Prerequisites: RPW 110 and 111, or permission of instructor. CMM 250W recommended. (Writing-intensive course) Laboratory fee.

**CMM 318/GS 318 Women and the Media** [3] This course examines the role women have played as well as how they have been portrayed in the media, including newspapers, magazines, radio and television, from colonial to present times. Prerequisite: Junior or senior standing is required, or permission of the instructor.

**CMM 325 Family Communication** [3] An investigation of the role of communication in the family. Consideration of couples communication, parent-child interaction, alternative families, distressed families, and divorce. Prerequisite: CMM 110 or permission of instructor.

**CMM 330/GS 330 Gender and Sex in Pop Culture** [3] The portrayal of gender and sexuality in popular culture is analyzed. Media, including television, film, magazines, and the internet, represent and help construct ideas about what it means to be male and female in this society, as well as convey assumptions about sexual orientation. These portrayals take on a particular form for racial and ethnic minorities that often reinforce prevalent stereotypes. Popular culture also depicts sexuality in a manner that presents certain sexual behavior as natural and acceptable, and other kinds as deviant and unusual. The representation of sexuality in a range of media is explored, including mainstream media, advertising, and pornography. The portrayal of gender and sexuality in the culture is examined through a survey of theoretical perspectives on these topics, as well as a direct examination of content that represents these aspects of humanity. Prerequisites: GS 100 or CMM 110, and junior or senior standing; or permission of instructor.
CMM 335 Ethnic and Intercultural Communication [3] This course will examine current theoretical and applied issues in intercultural communication with particular emphasis on ethnic identity, African American communication, and racism. One goal will be to articulate how various groups define themselves and how they perceive interethnic communication. The course will conceptualize communication as a problem that participants must solve during interaction by assigning meanings and establishing identities. We will apply theories of language, communication, and culture to the context of ethnic communication. Prerequisite: CMM 110 or permission of instructor.

CMM 340 Conflict and Communication [3] This course is designed to study the theories and empirical research regarding conflict communication in relationships (e.g., families and work teams) and international and intercultural settings. It examines theories of conflict interaction, power and conflict, conflict styles, conflict management strategies and tactics, language and episodes, and the relevant empirical research on conflict communication.

CMM 343 Communication in Contemporary Organizations [3] An advanced course providing in-depth study of communication issues in contemporary organizations. Examines how critical theory, postmodern approaches, and new management theories—and their preferred research tools—contribute to the analysis of issues, such as conflict, cooperation, performance, identity politics, and change in contemporary organizations. Focuses on the theoretical, research, and practical importance of new information and communication technology, especially “groupware.” Prerequisites: CMM 230 and CMM 311.

CMM 345 Video Field Production [3] This course is an introduction to the tools of television production beyond the studio, focusing on equipment and techniques for full field production. Technical and aesthetic aspects of the medium are introduced as students work individually or in groups on specific video projects. Prerequisite: CMM 244. Laboratory fee.

CMM 346 Media Industries: Ethics, Politics, Economics [3] The economic development, organizational structure and strategies of major media are explored. This survey examines media as a whole, particular media sectors such as print and electronic media, and individual companies. The course considers the economic and political forces that shape and influence news and entertainment media, and assesses to what extent these media serve the public interest, democracy, and the consumer. This analysis examines trends such as media concentration, deregulation, fragmentation and globalization, and the challenges and opportunities faced by commercial, public, mainstream, and independent media. Prerequisite: EC 101.

CMM 350W News Reporting [3] Introduction to reporting techniques—including traditional sources of news, interviewing, public documents and databases—and their application in writing various forms of advanced news stories. Prerequisite: CMM 250W or permission of instructor. (Writing-intensive course) Laboratory fee.

CMM 353 Broadcast and Electronic Journalism [3] An overview of journalism as it is produced for, and presented by, broadcast and cable television, radio, and the Internet; includes an examination of rules and regulations affecting the broadcast journalist. Practice in writing news for television, radio, and the Internet. Prerequisite: CMM 250W. Laboratory fee.

CMM 354W The Editorial and the Feature Story [3] A study of two dominant forms of journalism that provides students the practical experience of writing in these forms. Prerequisite: CMM 250W or permission of instructor. (Writing-intensive course). Laboratory fee.

CMM 355 Perspectives on Journalism [3] An examination of the ways in which journalists define their role as journalists (for example, precision journalism, press criticism, literary journalism), as well as the examination of the many different factors affecting the journalism profession and industry (for example, women and the media, the ethnic media, etc.). Focus changes from semester to semester.

CMM 356W Magazine Journalism [3] Magazine Journalism provides students with experience in the growing field of magazine publication. Conducted as a workshop, the course is aimed at exposing students to the variety of subjects and forms magazine writing can take. Prerequisite: CMM 250W or permission of instructor. (Writing-intensive course) Laboratory fee.

CMM 360 Advertising Copywriting and Layout [3] Rigorous study and practice in planning and preparing advertising messages. Emphasis on writing. Artistic and social scientific aspects of advertising creativity. Writing and visualization for print, broadcast, and peripheral
media. Lecture and laboratory. Prerequisite: CMM 260. Laboratory fee.

CMM 362 History of American Journalism [3] An overview of major issues in American journalism from the colonial period to the present. Emphasis on the evolution of First Amendment issues, the changing relationship of journalism to political institutions, and the changing role of journalism in U.S. culture. Prerequisite: CMM 110.

CMM 366 Computer-Mediated Communication [3] This course examines individuals’ use of computers to communicate in their interpersonal relationships and professional lives. Topics include the structure and content of communication in cyberspace and its impact on face-to-face communication, online relationship formation and development, virtual communities, e-mail as a mechanism of communication in organizations and small groups. Prerequisite: CMM 110 or permission of instructor.

CMM 371 Public Relations Cases [3] The course focuses on intensive analysis of public relations case studies in order to explore the theories and research that support public relations management and practice. Prerequisite: CMM 271.

CMM 391, 392 Special Topics in Communication [1–4, 1–4] Topics vary from semester to semester in accordance with timeliness, the needs of the communication curriculum, and the opportunities to explore areas of communication. Prerequisites vary by topic.

CMM 393/SOC 343 Statistical Analysis of Social Data [4] An introductory course in statistics for students in the social and behavioral sciences and the humanities. The course will deal primarily with descriptive and associational statistics. Probability and statistical inference will be presented but not pursued in depth. This is not a mathematics course but is designed to prepare the student to deal with basic statistical concepts and procedures in relation to social data. Prerequisites: A course in algebra and SOC 242, or permission of instructor.

CMM 394 Independent Study [1–6] Advanced independent research and learning in areas not covered by established CMM offerings. May not be used in lieu of a conventional course. Usually taken after having completed successfully a substantial number of courses in the department. Requires submission of an articulate proposal for the study and prior arrangement with the prospective advisor. Prerequisite: Permission of instructor.

CMM 406, 407 Internship Program [3–6] The internship program is intended to provide students an opportunity to augment their studies with a 12- to 15-week work experience in an organization engaged in communication-related activities (marketing, public relations, advertising, broadcasting, etc.). Typically, students work from 7 to 15 hours each week. Depending upon a School of Communication major’s chosen emphasis, either 3 or 6 hours of internship credit is the maximum allowable toward completion of the major. Additional details about the program are available on request from the director of internships. Prerequisite: Permission of internship director.

CMM 411 Communication Theory [3] An examination of the major theories in communication and the assumptions influencing the different perspectives in communication research. Prerequisites: CMM 110 and at least junior standing.

CMM 412 Communication and Organizational Problem Solving [3] Course explores communication problems in organizations and approaches to solving them. Topics include problem identification, approaches to problem solving, consulting basics, communication training, and the communication of organizational change. Students participate in activities involving problem solving in local organizations. Prerequisite: CMM 230 or permission of instructor.

CMM 415 Issues in New Media Technology [3] This course considers the proliferation of new communication technologies especially chat rooms, instant-messaging systems, e-mail, genomics, Voice-Over Internet Protocol (VOIP), WWW and the Internet, and their collective effect on our daily functioning. The proliferation of digital transaction technologies, GPS systems and sophisticated relational databases are also examined in that they facilitate the collection, storage, access, tracking, and retrieval of highly personal data. Prerequisite: CMM 240 or CMM 281, or permission of instructor.

CMM 425/SOC 425 Popular Culture [3] The course introduces students to the diverse elements of popular culture as a valuable source of data about the social norms, values, and conflicts of mass societies. Crazes, fads, fashions, and trends are examined in terms of collective behavior and the processes of mass communication to understand their origins, development, and impact on society. Specific case studies of contemporary issues, such as pornography, tele-
vision and violence, trends in popular music, and sport and leisure, are discussed. Prerequisites: SOC 110 and CMM 110, or CMM 240.

CMM 428 Language and Communication [3] Analysis of the role of language in interpersonal communication. Consideration of linguistic and extra-linguistic systems of meaning, as well as the evaluation of new linguistic approaches to the understanding of communication. The class is oriented to the study of the message as the fundamental tool of interpersonal communication. Prerequisite: CMM 110.

CMM 430/LAH 430 Communication Law in America [3] After exploring competing views of the place of free expression in a Western democracy, students are exposed to major case law in such areas as libel, invasion of privacy, copyright, trademark, broadcast and cable regulation, advertising, access to information, obscenity, and source confidentiality. Prerequisites: CMM 240; LAH 201, 230, and 241; or permission of instructor.

CMM 440 Advanced Television Production [3] Advanced principles and techniques for producing television programs. Students are expected by the end of this course to be equipped with specialized skills to perform as part of a team, incorporating studio and field video production and editing techniques. Students work on specific video projects of such quality as to be acceptable for broadcast/telecast on closed systems or on established commercial systems. Prerequisite: CMM 345. Laboratory fee.

CMM 442 Advanced Radio Production [3] Principles and philosophies of radio programming. Emphasis on program development, scripting and directing as applied to various radio program formats. Prerequisite: CMM 242. Laboratory fee.

CMM 444 Broadcast Management Sales and Operations [3] Examination of the internal functioning of broadcasting stations in the United States. Specific focus includes operations, procedures and problems in programming, scheduling, special responsibilities of management, and broadcast sales. Prerequisite: CMM 240.

CMM 445 News Editing [3] An introduction to copyediting skills, including editing news stories, writing headlines, and designing newspaper pages. Also examines news selection and legal and ethical problems confronting newspaper editors. Prerequisites: CMM 250W and CMM 350W, or permission of instructor. Laboratory fee.

CMM 447 Linking Interpersonal and Organizational Communication [3] This course explores connections between interpersonal and organizational contexts. Topics include superior-subordinate communication, interpersonal relationships in the workplace, the role of communication in sexual harassment, communicating in a diverse workplace, workplace effects on family interaction and relations, and interpersonal communication about organizational policies. Prerequisites: CMM 225 and CMM 230, or permission of instructor.

CMM 448 Audience Analysis [3] An investigation of various mass-media audiences’ characteristics, preferences, and composition. Analysis of how audience information is obtained and used in media planning. Designing and executing media research projects. Prerequisite: CMM 240.

CMM 449 Media and Society [3] Examines role and responsibility of media in relation to American institutions, including societal, political, and economic institutions. Specific focus on mass media impact on culture, human behavior including violent and antisocial behavior, prosocial and voting behavior, and attempts at regulation and control. Prerequisite: CMM 240.

CMM 450 International Communication [3] This course is an analysis of international communication. It deals with the transnational communications industry as a major component of today’s international economy through comparison of the structures of international communications systems. It explores the issues of cultural domination and cultural alienation. Special emphasis is given to the debate on the new international economic and information order.

CMM 452, 453 Special Problems in Media [3, 3] An experimental course for the development of new ideas in media. Prerequisite: Permission of department. Depending on the focus for a particular semester, may be a laboratory fee.

CMM 457, 458 Special Problems in Journalism [3, 3] An experimental course for exploring new ideas in journalism; also an opportunity to offer on a one-time basis specialized courses in the area of the faculty’s and students’ interests. Prerequisite: Permission of instructor. Depending on the focus for a particular semester, may be a laboratory fee.
CMM 460 Advertising Communication Tactics [3] In-depth analysis and practice in communication tactics employed in creating advertising programs for clients. Principal focus on working on a competitive group project preparing an agency-style presentation for a real or hypothetical client. Prerequisites: CMM 360 plus two CMM electives, or permission of instructor.

CMM 462 Advertising Competition [3] This course gives advanced students the opportunity to work on a national student advertising competition conducted by the American Advertising Federation. The corporate client changes annually. Students are provided with a case study of an advertising/communication problem faced by the client. The student team submits to a group of advertising professionals a written advertising and communication plan and makes a formal presentation. The team judged district winner progresses to the national finals. Prerequisite: Permission of instructor.

CMM 470 Senior Honors Thesis [3] This course is designed to enable a student to complete an honors thesis under the supervision of a departmental advisor. The honors thesis is completed in partial fulfillment for the designation of departmental honors. Prerequisites: Acceptance into the departmental honors program, senior standing, and completion of CMM 311 (210) and CMM 411 (211).

CMM 471 Public Relations Campaigns [3] The course focuses on practical, technical, and analytical skills required to effectively plan and implement a campaign. Students study the public relations process in order to develop campaign plans that capitalize on opportunities and address problems within and for the organization. Students analyze secondary research and conduct qualitative/quantitative primary research in order to develop, implement, and evaluate a campaign for a University or community client. Prerequisites: CMM 271 and CMM 371.

CMM 481 Advanced Multimedia [3] This course involves an in-depth examination of multimedia concepts in the professional and educational world. Multimedia projects in mass communication are developed from among advertising, journalism, public relations, radio, and television areas. Theoretical issues surrounding the impact of computer-mediated communication on modern society, including privacy, surveillance, and encryption, are analyzed. Prerequisite: CMM 281. Laboratory fee.

CMM 490, 491 Special Topics in Communication [1–4, 1–4] Topics vary from semester to semester in accordance with timeliness, the needs of the communication curriculum, and the opportunities to explore areas of communication. Prerequisites vary by topic.

Computer Science

Professors Gray (Chair), Russell
Associate Professors Anderson, Rosiene
Visiting Instructor Dorn

The department offers a program leading to a B.A. and a B.S. in computer science.

In order to provide some consistency for students learning the fundamentals of computer programming, the department has a base language that is used for its introductory computer programming courses, CS 114 and CS 115. The current base language is Java. The term upper-level courses used below refers to courses having numbers beginning with 2, 3, or 4.

Computer Science Honors Program

A candidate for departmental honors in computer science must be a major in computer science who has completed 18 credit hours of upper-level computer science courses, and who has achieved a GPA of at least 3.25 in the major and 3.0 overall. In addition, a candidate must complete the equivalent of a semester course on an approved topic not covered in the existing curriculum. An Honors Committee appointed by the chairman and consisting of at least two faculty members reviews the work and administers an oral and/or written examination. The final decision on the granting of honors rests with this committee.

Requirements for a Minor in Computer Science

Requirements for the Minor
20 credits, including
Core requirements: 11 credits
CS 114 Computer Programming I
CS 115 Computer Programming II
CS 220 Data Structures
Electives: 9 credits
Three additional upper-level computer science courses.

Transfer students must satisfy the above requirements with a minimum of 6 credits of upper-level computer science courses completed at the University of Hartford.
Grade Requirements for a Major or Minor

All required courses (including elective and application requirements for a major) must be completed with a minimum overall average of 2.33. Each of these courses must be taken for a letter grade and may not be taken on a Pass/No Pass basis.

Experiential Education Program

The University’s Experiential Education program is open to computer science majors. Students must complete the first year with at least a 2.5 GPA and have permission from the department’s co-op faculty coordinator to be eligible for the program.

All co-op students work either full or part time during at least two terms, including summer terms. Academic credit is awarded and applied toward degree requirements as unrestricted elective courses. Co-op is graded on a Pass/No Pass basis.

For more information, contact the department’s co-op faculty coordinator or the Experiential Education office.

Certificate in Computer Science (formerly Post-baccalaureate Minor in Computer Science)

The Department of Computer Science makes its Certificate in Computer Science available to college graduates. To enter the program, students must have obtained a baccalaureate degree from an accredited college and successfully completed two semesters of calculus. If students have not had calculus, they may take it at the University of Hartford. All of the courses are offered in the evening, and students may enroll on a part-time basis. For further information, contact the Center for Graduate and Adult Academic Services.

Bachelor of Science in Computer Science

The Bachelor of Science in Computer Science is designed to prepare students for a career in the computer profession, business, or education. It provides students with a solid foundation in both theoretical and applied computer science while also allowing them to explore other areas of interest. The B.S. degree is recommended for students planning to pursue graduate school.

Requirements for the Major

Required credits: 74–76

1. Computer Science Core
   CS 114 Computer Programming I
   CS 115 Computer Programming II
   CS 211 Architecture and Assembly Language
   CS 220 Data Structures
   ECE 231 Digital System Logic
   ECE 232 Digital Laboratory
   CS 320 Programming Languages
   CS 340 Formal Languages and Automata
   CS 360 Software Development
   CS 451 Computer Operating Systems

2. Mathematics Core
   M 144 Calculus I
   M 145 Calculus II
   M 220 Linear Algebra and Matrix Theory
   M 221W Discrete Mathematics I
   M 260 Data Analysis

3. Science Core
   BIO 122-123 or CH 110-111 or PHY 112-113
   (also satisfies A&S science requirement)
   One additional 4-credit lab science course

4. Elective Courses
   Three upper-level CS electives and one upper-level M or CS elective

Bachelor of Arts in Computer Science

The Bachelor of Arts in Computer Science is less theory intensive than the B.S. degree and integrates a wider variety of liberal arts courses. The B.A. provides flexibility to allow students to tailor their majors to satisfy individual talents and goals. It combines a set of required core courses with the opportunity to choose from among a wide variety of elective courses in the various areas of computer science.

Requirements for the Major

Required credits: 52

1. Computer Science Core
   CS 114 Computer Programming I
   CS 115 Computer Programming II
   CS 211 Architecture and Assembly Language
   CS 220 Data Structures
   ECE 231 Digital System Logic
   ECE 232 Digital Laboratory
   CS 320 Programming Languages
   CS 360 Software Development
   CS 451 Computer Operating Systems

2. Mathematics Core
   M 144 Calculus I
   M 145 Calculus II
   M 221W Discrete Mathematics I
3. Elective Courses
Three upper-level CS electives and one upper-level M or CS elective

Course Descriptions

Students with questions involving prerequisites for the course offering should see the instructor of the course. In most cases, admission to a course by permission of the instructor is possible.

CS 100, 200, 300, 400, 500 Cooperative Education Program [variable] These courses are intended for students in the Cooperative Education program. The program is designed to provide the students with an exposure to computer-related problems at commercial computer installations wherein they can apply the skills and concepts they have learned. The courses carry from 1 to 3 credits. The actual number awarded is decided by the faculty coordinator and based upon the level of the students’ involvement. Cooperative education courses may not substitute for CS course requirements in the major. All courses must be taken on a Pass/No Pass basis. Prerequisites: Sophomore standing and 2.5 GPA.

CS 110 Introduction to Computers [3] Designed for non-science majors, the course emphasizes the computer’s capabilities, limits, and its impact on society. Personal computer productivity software is used to demonstrate the influence of computers on society. Students are also provided an introduction to the Internet through the use of a Web browser and an e-mail facility. Not open to students who have completed a higher-level CS course. Laboratory fee.

CS 111 Programming Foundations [3] An introductory computer programming course designed for students with no prior programming background. Emphasis will be placed on problem solving and the translation of solutions into a programming language. Topics include data types, input/output, control structures, loop structures, and program modularity. This course may be used to prepare the student with no prior programming experience for CS 114 or as a one-semester exposure to programming. Prerequisites: (1) Two years of high school algebra with an average grade of at least B and (2) a high school computer course or CS 110. Not open to students who have completed a higher-level CS course. Laboratory fee.

CS 114 Computer Programming I [4] An introductory course, with laboratory, covering the fundamentals of problem solving using a computer. The programming language used is the current base language for the department. Although language-specific, the course emphasizes general programming methodology and concepts common to all programming languages: algorithms, top-down-structured program design, modularity, efficiency, testing and debugging, user friendliness. Topics include organization and hardware; input and output; sub-program units (functions), control structures; compound data types. By the end of the course, the object-oriented paradigm is introduced. Some programming, in any language, is recommended; familiarity with quantitative reasoning is required. Prerequisite: M 110 or two years of high school algebra. Laboratory fee.

CS 115 Computer Programming II [4] A second course, with laboratory, in the fundamentals of problem solving using a computer. The programming language used is the current base language for the department. This course continues to emphasize language-independent programming techniques while building the students’ knowledge of the current base language. The ideas of objects, classes, and inheritance, introduced in CS 114, are developed more fully. Pointers, dynamic memory allocation, recursion, and basic data structures are introduced. Prerequisite: CS 114 (minimum grade of C). Laboratory fee.

CS 175 Introduction to Internet Programming [3] This course introduces the student to current programming models used to generate and support real-world, Web-based applications. The course focuses on important HTML/XHTML tags and concepts, including tables, frames, forms, and cascading style sheets. The Common Gateway Interface (CGI) is presented as a means of transferring data to and from client-server applications. Coverage includes an in-depth examination of client-side programming using ECMA (European Computer Manufacturers Association) compliant scripting language, such as JavaScript, to create and customize Web pages, generate dynamic pages, and validate the integrity of CGI data. Prerequisite: CS 111. Laboratory fee.
CS 211 Architecture and Assembly Language
[4] Architecture topics to include CPU and ALU design and operation, instruction sets, microcode, cache memory, arithmetic, instruction and data formats. Architectural principles are illustrated with the study of a specific assembly language. Prerequisite: CS 115. Laboratory fee.

CS 220 Data Structures [3] The study of linear lists (stacks, queues); static versus dynamic allocation; garbage collection; sparse matrices; prefix, postfix, and infix formulas; recursion and recursive algorithms; trees (binary and other representations of trees, traversal of trees); hashing; searching; sorting (bubblesort, quicksort, heapsort, mergesort); analysis of algorithms in terms of time and space complexity; graphs (representation of graphs, topological sorting, reachability, critical path algorithm). Prerequisite: CS 115 (minimum grade of C). Laboratory fee.

CS 320 Concepts of Programming Languages [3] Introduction to programming language paradigms, including imperative, functional, object-oriented, logic, and concurrent. Example languages of each paradigm are compared and contrasted. Abstract programming language description is introduced. Prerequisite: CS 220. Laboratory fee.

CS 330, 331 Studies in Computer Science [3, 3] Concentrated studies in areas of computer science, such as design and analysis of algorithms, advanced operating systems, database theory, computer architecture, comparative languages, database management systems, computer networks, Internet programming, and software engineering. Prerequisites: CS 115 and M 221W. Laboratory fee.

CS 340 Formal Languages and Automata [3] This course provides an introduction to theoretical computer science. Languages, grammars, and automata will provide a background for a discussion of parsing. Related areas also include recursive definitions, Turing machines, and decidability. Prerequisites: M 221W and CS 115. Laboratory fee.

CS 351 Introduction to Artificial Intelligence [3] This course introduces the basic principles in artificial intelligence research, covering simple representation schemes, problem-solving paradigms, constraint propagation, and search strategies. Areas of application, such as knowledge representation, natural language processing, expert systems, vision, and robotics, are explored. The LISP programming language is also be introduced. Prerequisite: CS 220. Laboratory fee.

CS 355 Computer Networks [3] This course provides a solid foundation in the design of a computer network. Topics focus on network standards and standardization bodies, a layered network architecture, circuit and packet switching, streams and datagrams, physical media and network access, media access and LAN addressing, Internet working and routing, and transport layer services. Also presented are application layer protocols used on the Web, file transfer, and electronic mail; and network security, including cryptography, encryption, and authentication protocols. Prerequisites: CS 114 and CS 211. Laboratory fee.

CS 360 Software Development [3] This course focuses on the development of large-scale software that is reliable, understandable, and maintainable. Procedural and object-oriented paradigms are used to illustrate design approaches. Students will work in teams and will develop software on at least two platforms. Abilities and knowledge gained in the other computer science courses will be integrated with a series of comprehensive system development projects. Students will be required to present their project work to the class. Project organization, professional standards, and ethics will also be covered. Prerequisite: CS 220. Laboratory fee.

CS 362 UNIX Internals [3] An in-depth study of the UNIX operating system and associated software tools. Topics include UNIX-C interface (standard UNIX subroutines, system calls, C library); writing shell scripts; using UNIX tools (awk, sed, grep, tr, nroff); writing/developing software tools; and system security. It is assumed that the student has a working knowledge of programming in C/C++. Prerequisite: CS 220. Laboratory fee.

CS 365 Principles of Database Systems [3] This course provides a solid background in the theory, design, and programming of database systems, with a focus on relational databases. The relational data model and entity-relationship diagrams will be covered. Other data models, including the object-oriented model, will be presented. The course introduces database query languages, including an in-depth coverage of the Structured Query Language (SQL). Other database topics include storage and indexing techniques, transaction management, and database interface with application programs. Prerequisite: CS 220. Laboratory fee.
CS 371 Computer Graphics [3] An introduction to fundamental aspects of three-dimensional computer graphics, including the implementation of basic graphics algorithms, geometrical transformations and projections, representations of curves and surfaces, lighting models, and graphical interaction. Theory is applied via the development of programs using a graphics package, such as OpenGL or DirectX. Prerequisite: CS 220. Laboratory fee.

CS 375 Internet Programming Concepts [3] This course is an in-depth exploration of current client-/server-side programming paradigms for creating World Wide Web-aware programs. The development of client-side Web pages, using the current version of HTML/XHTML and a Web-scripting language, is addressed. The Document Object Model (DOM) and its role in dynamic HTML (DHTML) are presented. The Common Gateway Interface (CGI), as a vehicle to transfer client-server data, is examined. Server-side programming focuses on the Java Servlets API for the development of dynamic Web pages, the creation and processing of HTML forms and general client-server communications. Servlet filters and security are discussed, and the development of applications using reusable software programs is presented. Prerequisite: CS 115. Laboratory fee.


CS 480, 481 Independent Study in Computer Science [1–3] The study of more advanced computer science topics under the direction of a faculty member. Prerequisites: Advanced standing and approval of the department.

CS 190, 191, 290, 291, 390, 391, 490, 491 Special Topics in Computer Science [1–4] Possible topics include those within computer graphics, data communications, formal theory of languages, computer architecture, theory of automata, modeling, simulation, artificial intelligence, and algorithm analysis. Prerequisite: Permission of instructor.

Criminal Justice

Professor Norland (Sociology)
Associate Professors Aliotta (Politics and Government); DiChiara, Director of Criminal Justice (Sociology); Stewart (Sociology)
Assistant Professor Beaulieu (Sociology)
Adjunct Professors Hansen, Martin, Thermer

Undergraduate Major (B.A.)
The criminal justice major is an interdisciplinary program of study stressing knowledge of theory and practice. It emphasizes a comprehensive understanding of both criminal behavior and the criminal justice system as basic preparation for careers in such fields as corrections, human services, research and planning, and law enforcement. An internship in a criminal justice agency is an integral part of the major, which enables students to add practical experience to their academic programs.

The Criminal Justice program is available to students matriculated in the College of Arts and Sciences, the Barney School of Business, or the College of Education, Nursing and Health Professions. Majors in criminal justice will be assigned an advisor in the college of their matriculation who assists in selecting a sequence of courses that corresponds to students’ academic interests and career objectives. In addition to meeting the general education or distribution requirements of their colleges, students complete the following requirements for the criminal justice major:

Requirements for the Major
Required credits: 40
Required courses (seven courses, 22 credits)
SOC 170 Introduction to Criminal Justice
SOC 242 Methods of Social Research
(4 credits)
POL 250 Law and the Justice System
SOC 271 Deviance
SOC 318 Internship
SOC 470 Criminology
SOC 473W/POL 453W Crime, Law, and the Administration of Justice

Electives
Group A: Perspectives on Human Behavior
(three courses, 9 credits)
SOC 273 International Organized Crime
SOC 278 Drugs and Society
SOC 372 Women and Crime
SOC 376 Juvenile Delinquency
SOC 378 Studies in Criminal Behavior
SOC 382 Race and Ethnic Behavior
SOC 475 Race, Ethnicity, and Crime
SOC 476 Street Gangs
PHI Organizational Ethics
POL 421 Political Violence
PSY 242 Adolescent Psychology
PSY 262 Abnormal Psychology

Group B: Law and the Response to Social Conflict (three courses, 9 credits)
SOC 274 Sociological Analysis of Prisons and Corrections
SOC 277 Policing Society
SOC 319 Internship
SOC 330/LAH 330 The Law and Forensic Evidence
SOC 375 Social Control
SOC 379 Studies in Crime Control
POL 450 Constitutional Law
POL 351 Criminal Law and Procedure
POL 451 Civil Liberties and Rights
POL 452 Jurisprudence

Requirements for the Minor
SOC 170 Social Responses to Crime
SOC 242 Methods of Social Research
SOC 271 Deviance
SOC 470 Criminology
SOC 473/W/POL 453W Crime, Law, and the Administration of Justice

Students must take one additional course from Group A or B or a 3-credit internship.

Drama Minor
The minor in drama provides students with the opportunity to study theatre practice as well as dramatic literature. Drama minors are encouraged to develop an understanding of drama as it exists on the page and to contribute to its enactment on stage. Though the program is housed in the English department of the College of Arts and Sciences, it is possible for students to take drama minor electives from the Hartford Art School.

The 18-credit minor consists of one introductory course in theatre studies, one stagecraft course, one acting course, and a theatre production class that serves as a culminating experience for minors. Elective courses are offered in such subjects as playwriting and directing. Production opportunities include those mounted by the University Players, a performance group that each year presents a fully mounted production, directed by a faculty member, in which students can participate for credit. Student productions are also offered by the student drama club, Dramatis Personae. Additional opportunities include independent studies and internships with professional companies such as the Hartford Stage Company and TheaterWorks.

Requirements for the Drama Minor
Required credits: 18
DRA 160 Introduction to Theatre
DRA 164 Stagecraft
DRA 170 Acting

Plus one of the following three courses:
DRA 320 Acting II
DRA 365 Fundamentals of Directing
DRA/ENG 313W Playwriting

6 credits of electives chosen from the drama courses listed below or from cognate courses approved by the director.

Course Descriptions

DRA 160 Introduction to Theatre [3] Study of theatre as a collaborative art form and as a means of expressing values. Attention is centered on various aspects of theatrical art: acting, directing, design, criticism, playwriting, audience involvement. Class work may involve play reading, lectures, discussions, participation in and attendance at productions.

DRA 161 Theatre Practicum [.5] Designed to recognize the educational value of participation in drama productions. One-half credit will be awarded to students for satisfactory participation either backstage or onstage in a departmental production. Drama minors may earn up to 3 credits in Theatre Practicum. Work applied to Theatre Practicum must not be in connection with any other course. Prerequisite: Permission of instructor.

DRA 164 Stagecraft [3] Introduction to the basic tools, materials, and skills needed for the execution of scenic and lighting designs. The class is directly involved in student and departmental productions.

DRA 170 Acting I [3] This course is for beginning-level students who want to develop their acting skills through theatre games, improvisation, scene, and monologue work. Students gain a practical understanding of fundamental concepts of acting technique, including objective, action, given circumstance, and focus. Other topics include body awareness and vocal quality,
DRA 313W/ENG 313W Playwriting [3] This course offers the opportunity to experiment with playwriting techniques in a workshop environment. The basic components of playwriting are taught, focusing particularly on character, dialogue, and plot. Students analyze plays from the standpoint of structure and take the opportunity to view and discuss local live performances. Seminars involve the workshop testing of student writing, focusing on further development of the work. It is intended that weekly writing exercises will culminate in a longer piece of work performed in a series of rehearsed readings. Prerequisite: ENG 225W or DRA 160, or permission of instructor. (Writing-intensive course)

DRA 320 Acting II [3] This course builds upon the fundamental concepts established in Acting I. Students explore these concepts through the application of specific physical techniques in contemporary usage. While Acting I focuses on the understanding of internal psychological work, developed by Stanislavsky and his followers, Acting II focuses on the externalized expressions of the internal state. Students apply their understanding of acting to an increasingly stylized repertoire. Prerequisite: DRA 170 or permission of instructor.

DRA 325 Studies in Theatre and Drama [3] An intensive study of an aspect of performance practice, dramatic writing, or dramatic literature. Students are expected to respond to local live performances. Since the subject will vary from semester to semester, this course may be elected more than once with permission from the department chair. Prerequisite: DRA 160 or permission of instructor.

DRA 330/ENG 330 Elizabethan and Jacobean Drama [3] Reading and discussion of the English drama of the Tudor and Stuart periods, including plays of Marlowe, Jonson, Middleton, Webster, Tourneur, Ford, and others. Prerequisite: Any 200-level literature course or permission of instructor.

DRA 331/ENG 361 Shakespeare: Plays to 1600 [3] Introduction to Shakespeare’s language, themes, and dramatic art; detailed study of representative history plays, comedies, and tragedies, chiefly before 1600. Prerequisite: Any 200-level literature course or permission of instructor.

DRA 332/ENG 362 Shakespeare: Plays after 1600 [3] A study of the major tragedies, Roman plays, and symbolic romances, chiefly after 1600. Prerequisite: Any 200-level literature course or permission of instructor.

DRA 348/ENG 348 Modern Drama: Realism and Naturalism [3] Introduction to literature of the modern theatre. Playwrights such as Ibsen, Strindberg, Chekhov, Wilde, Shaw, Synge, and O’Neill are studied against the background of contemporary intellectual currents and literary trends. Prerequisite: Any 200-level literature course or permission of instructor.

DRA 349/ENG 349 Modern and Contemporary Drama [3] Playwrights such as Pirandello, Anouilh, Brecht, Ionesco, Genet, Beckett, Pinter, and Miller are read with special attention given to experiments in dramatic forms. Prerequisite: ENG 140 or DRA 160.

DRA 362/ENG 368 The Development of Theatre [3] This course focuses on crucial moments in the development of theatre as an art form, paying special attention to the origin and development of various theatrical forms and texts. The history of the art of acting, directing, theatre architecture, scenic lighting, costume design, and playwriting is investigated. Any 200-level literature course or permission of instructor.

DRA 365 Fundamentals of Directing [3] A course designed to acquaint the student with basic theory of directing, including a historical overview of the director’s changing role. Class will cover blocking, movement, various staging areas and terminology, work with actors, and interpretation of the play. Final project will be a short play or scene directed by each student. Prerequisite: DRA 160 or permission of instructor.

DRA 384, 385 Independent Study [1–6] Advanced independent research and learning in areas not covered by conventional DRA offerings. May not be used in lieu of a conventional course. Usually taken after having completed successfully a substantial number of courses in the department. Requires submission of an articulate proposal for the study, and prior arrangement with the prospective advisor. Prerequisite: Permission of instructor.

DRA 290, 390, 391 Special Topics in Theatre [3, 3, 3] Introduces significant topics in accordance with needs and interests of students and the community. Uses specialists in the various areas of theatre. Prerequisite: Permission of instructor.
DRA 420/ENG 420 British Drama, 1660–1830 [3] A study of British drama between the Restoration and the Victorian era. Emphasis on changes in theatre practice (the appearance of women on the stage, the Licensing Act, spectacle), on controversies about the morality and purpose of the theatrical arts, and on the emergence of new dramatic genres (libertine comedy, she-tragedy, bourgeois tragedy, farce, comic opera, sentimental comedy, closet drama). Playwrights may include Dryden, Congreve, Behn, Wycherley, Rowe, Centlivre, Fielding, Gay, Goldsmith, Sheridan, Inchbald, Baillie, and Byron. Prerequisites: Junior standing and any 200-level literature course, or permission of instructor.

DRA 480 Internship Program [3–6] The internship program is intended to provide students with an opportunity to augment their studies with a 12- to 15-week work experience in a theatrical organization. Typically, students work from 7 to 15 hours each week, depending on the number of credits for which they are enrolled. Additional details about the program are available on request from the chair of the department. Available only to theatre and musical theatre majors.

Earth and General Sciences

Associate Professor Striefler

Course Descriptions

SCI 116 and SCI 140 may each be taken to fulfill one laboratory science requirement for the College of Arts and Sciences.

SCI 116 Astronomy [4] An introduction to our current understanding of the universe, including topics such as formation of our solar system, tides, eclipses, nature of light, birth and death of stars, black holes, and fate of our sun and universe. Laboratory sessions are of two types: observational experiments dealing with the nighttime sky and quantitative experiments involving the collection and analysis of data. Laboratory fee.

SCI 140 Descriptive Geology [4] Surface features of the earth, their origin; vulcanism, earthquakes; metamorphoses; mountains, origin, types, and distribution of mineral deposits; Connecticut geology. Two Saturday field trips scheduled. Laboratory fee.

Economics

Professors Giannaros, Kolluri, Rao, Rassekh
Associate Professors Cohen, Horvath (Director), Singamsetti
Assistant Professors Cotei, Kamel

Undergraduate Major Program (B.A.)

This program is prescribed and administered by the College of Arts and Sciences. Courses are taught by economists in the College of Arts and Sciences and in the Barney School of Business’s Department of Economics, Finance, and Insurance.

The program serves the needs of three groups of students: those who wish to major in economics in the context of a liberal education; those not concentrating in economics but wishing to improve their understanding of the economic aspect of society; and those specializing in related fields, who find courses offered by this department contributing to their areas of specialization.

The economics major provides an appropriate foundation for a broad variety of careers. It is a valuable background for many business and governmental employments. Economics is a preferred major for graduate work in economics, business and public administration, law, and foreign service.

Requirements for the Major

Required credits: 36

Required courses are
EC 110 Principles of Macroeconomics
EC 211 Principles of Microeconomics
EC 311 Intermediate Macroeconomic Analysis
EC 312 Managerial Economics
QNT 230 Business Statistics

Electives: 21 credits in upper-division economics and related fields

The elective courses are selected by the students, in consultation with their advisors, to fit students’ interests and career objectives. Up to 6 credits may be selected in the related fields of quantitative methods and finance to fulfill requirements for economics electives.

Students contemplating an economics major must take mathematics M 110 and M 112, preferably in the first year. Students desiring to prepare for graduate work in economics should plan additional study beyond the basic degree requirements in mathematics and one foreign language.

All courses required for the major must be taken for a letter grade and may not be taken on a Pass/No Pass basis.
Economics Minor (B.A.)
The Department of Economics, Finance, and Insurance offers a minor in economics for students who would like to complement a major in another field of study.

Requirements for the Minor
Required Core: EC 110 and EC 211
Electives: 12 additional credits in economics

Once the student elects a minor in economics, he/she will be assigned an advisor with whom to develop the program of study.

Political Economy (B.A.) Joint Major
The Department of Economics, Finance, and Insurance offers an interdisciplinary major in political economy with the Department of Politics and Government (see page 197).

Course Descriptions
For course descriptions, see the Barney School, page 235. Courses not expected to be offered at this time are indicated by (X) following the course description.

English

Professors Barstow, Chiarenza (emeritus), Grant (emeritus), Hale (emerita), Lane (emeritus), Logan, Rockas (emeritus), Ross, Stacy (emeritus), Stull, Tonkin
Associate Professors Blackwell, Brown, Evica (emeritus), Smith (emeritus), Stevenson (emerita), Stores (Chair), Striff
Assistant Professors Grossberg, Sinche, Walling

Note: Students wishing to major in film or cinema studies should consult the Department of Cinema (page 126). Students wishing to major in professional and technical writing should consult the Department of Rhetoric and Professional Writing (page 213). Course descriptions for the first-year writing program, Rhetoric and Writing I and II, are located under the Department of Rhetoric and Professional Writing (page 215).

The English major invites students to explore traditions and innovations in literary study. Students majoring in English learn to read literature from a variety of critical perspectives and acquire understanding of literary genres and historical periods. English majors concentrating in creative writing learn to write in the various forms of creative and expository writing and become familiar with different critical perspectives on writing. Majors in English are encouraged to integrate their studies with interdisciplinary courses sponsored by cross-disciplinary programs, such as African American Studies and Gender Studies.

A degree in English aims to instill an informed understanding of literature, a critical awareness of the interactions between literature and culture, and a mastery of the expressive and interpretive skills necessary for success in any career.

Courses are conducted in small-group seminars designed to encourage vigorous and productive discussion in which all participants become active learners. Majors who distinguish themselves in course work are encouraged to participate in the Honors program. These majors may also participate in the seminar of the Humanities Center, where an invited group of qualified students, selected from all of the University’s colleges, collaborate with a small group of faculty to examine an important world issue for an academic year. Past topics have included “Caribbean Cultures,” “The Computer as a Technology of Knowledge and Pleasure,” “Friendship,” and “Globalization.”

The English department encourages all students, not just majors in English, to revise their writing extensively, in private consultation with the department faculty. For extra help, students can visit the Center for Reading and Writing, located nearby and staffed by experienced reading and writing specialists as well as tutors, many of whom are senior-rank English majors serving as interns. The department supports an internship program in which majors (and minors) can earn credit for work as writers on and editors of campus publications, as well as for comparable work in companies and organizations in the Hartford region. The department celebrates excellence in writing at an annual Spring Writing Awards ceremony, in which the winners in a campuswide competition in several writing categories receive cash awards of up to $1,000 each.

To meet the goals of the program, majors take a required seminar in their sophomore year that is focused on research methods and critical approaches to literary texts. Majors also complete a capstone course in their senior year—to be designated each year in the schedule of classes—designed to review theoretical issues currently being raised in the discipline about reading and writing and, in doing so, perfect analytical skills cumulatively acquired in course work in the major. For majors concentrating in literature, a portfolio of interpretive criticism
revised from prior course work will be required; for majors concentrating in creative writing, a portfolio of creative writing revised from prior course work will be required. Each portfolio will also include new material, written and revised during the course. The capstone experience is especially useful for majors who plan to pursue employment where the submission of a writing portfolio is a distinct advantage or to prepare for the Graduate Record Examination, ordinarily required for application to a graduate or professional school.

Students interested in pursuing a Ph.D. in English (or related disciplines) should know that proficiency in a foreign language is required not only for advanced study beyond the master’s degree but also as a prerequisite for admission to most graduate schools.

Each student should plan a program of study in consultation with an English department advisor.

Undergraduate Program for Majors (B.A.)
The department offers courses in literary history and traditions. These courses assist students to see how the works of generations of writers explore unifying themes, ideas, ideals, achievements, and aspirations. The department offers courses on “writers at work” that invite close study of the ideas and literary habits of a writer or a community of writers. These courses assist in understanding the texture of writing produced by individuals of great or compelling talent. The department offers courses in reading cultural contexts that promote awareness of literary texts as cultural constructs. These courses highlight the importance of society and culture as crucial determinants in the texts we read and analyze. The department offers courses in theories and practices that explore the methods of literary inquiry. These courses expose and test the theoretical grounding of our various approaches to literary material. A capstone course integrating theory and practice is required of all majors in their senior year. The department offers courses in creative writing that provide instruction in and contexts for practicing and producing the students’ own literary texts: stories, poems, plays, critical essays. Among the special-topics courses offered in recent years are Love in Literature, Political Satire, Hypertext Literature, Short Fiction, Gothic Thrills, Unruly Women in Theatre, and The Medieval in the Modern.

Requirements
Thirty-six credits are required of all English majors.

Students with a literature concentration are required to take
a. ENG 226W Sophomore Seminar in English
b. Two historical surveys of literature, one from each of the following lists:
   1) ENG 220, 230, or 240
   2) ENG 221, 223, 231, or 241
   3) One 300- or 400-level course in four of the following five categories:
      1) Ancient and Medieval: ENG 326, 340, 341, 342, 343, or 360
      2) Early Modern: ENG 330, 331, 361, 362, 432, or 433
      3) Long 18th Century: ENG 420, 433, 436, 437, or 438
      4) Long 19th Century: ENG 319, 320, 322, 348, 364, or 365
      5) 20th and 21st Centuries: ENG 305, 322, 329, 347, 349, 366, or 367
d. One drama course: ENG 330, 348, 349, 361, 362, 368, or 420
e. One course in a genre other than drama: ENG 262, 320, 321, 322, 325, 329, 360, 365, 366, 367, 433, or 437
f. One cultural diversity course: ENG 217, 218, 223, 305, 315, 316, 324, 325, 328, or 370
g. ENG 465W Senior Capstone Seminar
h. English electives at the 200 level or above, to reach a total of at least 36 credits (12 courses) to complete the major

Note: A single course may be used to satisfy two—but not three—distribution areas; for example, a course on African American drama might satisfy both the drama requirement and the cultural diversity requirement.

Note: Depending on their content, Studies in…, Special Topics, and honors courses may be used to fulfill distribution requirements. Consult the department chair.

Students with a creative writing concentration are required to take
a. ENG 225W Introduction to Creative Writing
b. ENG 226W Sophomore Seminar in English
d. Two courses that focus on modern and/or contemporary literature: ENG 217, 218, 223, 321, 322, 325, 329, 347, 349, 366, 367, 421, and, when appropriate, 323, 328, 363, 370
e. ENG 465W Senior Capstone Seminar
f. 9 credits from within the English department
Minor in English
A total of 18 credits of English. Up to 9 of these credits may be in advanced writing courses (ENG 225W or above). Courses counted toward the English minor may not be taken on a Pass/No Pass basis without the written permission of the department.

Writing Requirement
In elective courses above the first-year level, writing and literature courses in the Department of English have minimum writing requirements of 3,000 words, including examinations and essays in and out of class. Writing courses often require more than 5,000 words.

Course Descriptions

ENG 140 Introduction to Literature [3]
Focusing on a set of literary readings different with each section of the course, students examine the nature of literary discourse, as well as perennial and contemporary issues, pleasures, and problems raised by the writing and reading of all literary texts. The course equips students to engage a variety of texts subsequently, in and out of courses, in literature and life.

Surveys of Literature

ENG 217 Survey of Postcolonial Writers [3]
We will explore the central themes and concerns of postcolonial literature, including the psychological residue left by imperialism, the suppression and revival of imagination in colonial/postcolonialist worlds, and the problems and advantages of cultural mixing.

ENG 218 Survey of Minority Writers [3]
What is the status of minorities in literature? Is race or minority status a biological, psychological, cultural, or metaphorical concept; does its status change depending on the time period? What is race or minority status today? Minority writers and film directors will contribute to the project of defining race/minority status and how it is expressed around the world.

ENG 220 Survey of American Literature I [3]
Survey of American literature from the colonial period to the Civil War, with emphasis on such major figures as Emerson, Thoreau, Hawthorne, Melville, Stowe, Dickinson, and Whitman.

ENG 221 Survey of American Literature II [3]
Survey of American literature from the Civil War to the present, with emphasis on such major figures as Twain, James, Wharton, Frost, Faulkner, Hemingway, and Fitzgerald.

ENG 223/AFS 223 Survey of African American Literature [3]
Reading and discussion of selected poetry and prose, with special emphasis on the works of major figures, such as Ralph Ellison, James Baldwin, Toni Morrison, and Alice Walker.

ENG 230 Survey of English Literature I [3]
Reading and discussion of selected writers of English literature from the Middle Ages through the Renaissance. Emphasis on literary tradition and influence.

ENG 231 Survey of English Literature II [3]
Reading and discussion of selected writers in English literature from the 18th century to the present. Emphasis on literary tradition and influence.

ENG 240/ML 240 Survey of European Literature I [3]
Reading and discussion of selected authors of Continental Europe to the Renaissance with emphasis on literary tradition and influence.

ENG 241/ML 241 Survey of European Literature II [3]
Reading and discussion of selected authors of Continental Europe from the Renaissance to modern times with emphasis on literary tradition and influence.

American Literature

ENG 305/GS 305/AFS 305 African American Women Writers [3]
This course has as its premise that the work of contemporary African American women writers—such as Toni Morrison, Alice Walker, Gloria Naylor, Paule Marshall, and Sherley Anne Williams—can be interpreted in the context of an identifiable literary tradition with sources in the late 19th and early 20th centuries. The course will look at the construction of this tradition in terms of specific literary themes and techniques, from “signifying” to communities of women that have been theorized by feminist and African American scholars. Prerequisites: GS 100; and either one 200-level literature course, or AFS 110 or AFS 111; or permission of instructor.

This course examines African American autobiographies from the early narratives of Douglass, Jacobs, and Washington to the self-conscious, lyrical texts of the 1960s and 1970s. The course also introduces students to theories of autobiography and the written self. Prerequisite: Any 200-level literature class or permission of the instructor.
ENG 320 American Novel to 1914 [3] Reading and discussion of the American novel as a genre, traced from its beginnings to the early 20th century through selected writings from such representative figures as Stowe, Hawthorne, Melville, Twain, Dreiser, James, Wharton, Chopin, and others. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 321 American Novel since 1914 [3] Reading and discussion of the American novel as a genre, traced from the early 20th century to the present through selected writings from such representative figures as Hemingway, Fitzgerald, Faulkner, Updike, Bellow, Oates, and others. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 322 American Poetry [3] Reading and discussion of American poetry as a genre, in the larger context of American thought and experience. Readings include selected works from such representative figures as Whitman, Dickinson, Robinson, Frost, Pound, Stevens, Eliot, e. e. cummings, and contemporary poets. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 323 Studies in American Literature [3] An intensive study of a major writer, a selection of writers, a major literary movement or motif in American literature. Since the subject of this course will vary from semester to semester, it may be elected for credit more than once with permission of department chair. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 325/JS 325 American Jewish Novel [3] A study of some of the major contributions to American Jewish literature since the turn of the century by American Jewish novelists. These include, among others, Gold’s Jews without Money, Cahan’s The Rise of David Levinsky, Anzia Yezierska’s Bread Givers, and a novel each by Malamud, Bellow, Roth, Potok, Doctorow, Ozick, and Chernin. Prerequisite: Any 200-level literature course or permission of the instructor.

English Literature
EN 330/DRA 330 Elizabethan and Jacobean Drama [3] Reading and discussion of the English drama of the Tudor and Stuart periods, including plays of Marlowe, Jonson, Middleton, Webster, Tourneur, Ford, and others. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 331 English Renaissance Literature: The 16th Century [3] Reading and discussion of selected English authors of the Elizabethan period, such as Wyatt, Sidney, Spenser, Marlowe, Nashe, and Shakespeare. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 360 Chaucer [3] Reading, in Middle English, and discussion of the major works, including Troilus and Criseyde and The Canterbury Tales. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 361/DRA 331 Shakespeare: Plays to 1600 [3] Introduction to Shakespeare’s language, themes, and dramatic art; detailed study of representative history plays, comedies, and tragedies, chiefly before 1600. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 362/DRA 332 Shakespeare: Plays after 1600 [3] A study of the major tragedies, Roman plays, and symbolic romances, chiefly after 1600. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 363 Studies in English Literature [3] An intensive study of a major writer, a selection of writers, a literary movement, or a motif in literature. Since the subject will vary from semester to semester, this course may be elected for credit more than once with permission of department chair. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 364 Victorian Literature [3] Reading and discussion of the major authors of the later 19th century with emphasis on Tennyson, Elizabeth Barrett and Robert Browning, Arnold, Carlyle, Newman, and Mill. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 365 Nineteenth-Century English Novel [3] Reading and discussion of works by such writers as Dickens, Thackeray, the Brontës, and George Eliot. Emphasis on the development of the novel from Jane Austen to Thomas Hardy as both a narrative form and a vehicle for social analysis. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 366 Modern English Novel [3] Reading and discussion of selected modern novelists, such as Joyce, Lawrence, Forster, Ford, Woolf, Conrad, and Iris Murdoch. Emphasis on the innovations of individual novels and the shared assumptions about human nature that make them “modern.” Prerequisite: Any 200-level literature course or permission of instructor.
ENG 367 Modern British Poetry [3] Reading and discussion of selected British and Irish poets such as Yeats, Hardy, Eliot, Auden, Spender, Dylan Thomas, including contemporary poets such as Ted Hughes and Seamus Heaney. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 420/DRA 420 British Drama, 1660–1830 [3] A study of British drama between the Restoration and the Victorian era. Emphasis on changes in theatre practice (the appearance of women on the stage, the Licensing Act, spectacle), on controversies about the morality and purpose of the theatrical arts, and on the emergence of new dramatic genres (libertine comedy, she-tragedy, bourgeois tragedy, farce, comic opera, sentimental comedy, closet drama). Playwrights may include Dryden, Congreve, Behn, Wycherley, Rowe, Centlivre, Fielding, Gay, Goldsmith, Sheridan, Inchbald, Baillie, and Byron. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 432 Rebellion to Restoration: 17th-Century British Literature [3] Reading and discussion of such writers as Shakespeare, Bacon, Donne, Jonson, Wroth, Herbert, Lanyer, Hobbes, Milton, Marvell, Philips, Dryden, Behn, and Bunyan against the background of the enormous social, political, religious, and economic turmoil England experienced between 1600 and 1700. Prerequisite: Junior standing or permission of instructor. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 433 Milton [3] Reading and discussion of the major poems (Comus, Lycidas, Paradise Lost, Paradise Regained, Samson Agonistes, sonnets) and selected prose works (e.g., Of Education, Areopagitica). Also, a study of pertinent background material, some corroborative reading (e.g., in the Bible and Cavalier poets), and readings in modern critics of Milton. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 436 Satire and Sentiment, 1660–1800 [3] Detailed study of the poetry and prose of such writers as Dryden, Behn, Pope, Swift, Johnson, Sterne, and Austen, with emphasis on the relations of these writers to the literary, social, political, and philosophical questions of their day. Prerequisite: Junior standing or permission of instructor. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 437 Eighteenth-Century British Novel [3] A study of the emergence and development of the novel in 18th-century Britain, with particular attention to writers such as Behn, Defoe, Fielding, Richardson, Sterne, and Austen. Emphasis on the novel’s relationship to other literary forms and on its negotiation of gender and class issues. Prerequisite: Junior standing or permission of instructor. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 438 The Romantic Movement in Britain [3] Detailed study of the poetry and prose of such writers as Blake, Wollstonecraft, Coleridge, Austen, the Wordsworths, Byron, the Shelleys, and Keats. Emphasis on the relations of these writers to the literary, social, political, and philosophical issues of their day, such as the role of the poet and the language appropriate to poetry, revolution, social justice, the transformative power of the imagination, and women’s education. Prerequisite: Any 200-level literature course or permission of instructor.

Comparative Literature

ENG 315/ML 315/JS 315 Yiddish Literature in Translation I [3] An introduction to literature written in Yiddish before 1900, concentrating on the three fathers of Yiddish literature, Mendele Molcher Seforim, Y. L. Peretz, and Sholem Aleichem. Included is the 17th-century journal of Gluckel of Hameln, as well as works of the occult. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 316/ML 316/JS 316 Yiddish Literature in Translation II [3] This course will continue the study of literary forms established by Seforim, Aleichem, and Peretz (The Realistic, The Ironic, The Parodic, etc.), as they appear in the world of such writers as Pinski, Spector, Asch, Reisen, Weissenberg, Schneour, Shapiro, Kulback, I. J. Singer, Opatoshu, Bergelson, Glatsstein, Grade. Also, we will concentrate on what are called Yenne Velt stories: those of Jewish fantasy and occult. Proverbs, folk tales, songs, and poems will introduce each meeting. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 319/GS 319 The 19th-Century Heroine [3] A look at the 19th-century literature that centers on women. The course examines the characterization of female protagonists as products of a particular culture and a writer’s own personal artistic vision, particularly as these relate to concepts of the heroic. A variety of writers and genres is studied, including clas-
sic novels, travel writing, working class, and sentimental fictions. Prerequisite: GS 100 or a 200-level literature course, or permission of instructor.

ENG 324W/ML 324W/JS 324W/REL 324W Modern European-Jewish Literature [3]
This class explores the relationship between the Jewish Enlightenment (Haskalah) and the development of modern Hebrew and Yiddish literature. The readings and class discussions examine shifting conceptions of Jewish identity; contested notions of Diaspora, Exile, and Home; the relationship between Jewish politics and art; and the tension between the particularity of the national experience and the universality of the Jew. Readings by masters of 19th- and 20th-century European Jewish fiction include S. Y. Abramovitch (Mendele Mocher Seforim), known as the “grandfather” of Yiddish literature; Sholem Aleichem’s humorous tales of Eastern Europe; the folk stories of Y. L. Peretz; Kafka’s modernist parables; Isaac Babel’s passionate narratives of the Russian revolution; I. B. Singer’s tales of demons and sinners; and others. This course fulfills the writing-intensive guideline and literature requirements for the Judaic studies major.

ENG 326/ITA 430 Dante’s Divine Comedy [3]
Reading and study of Dante’s masterpiece in English translation, with special emphasis on elements of narrative structure and the nature of Dante’s allegory. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 328/GS 328 Studies in Women’s Writings [3] An analysis of the range and complexity of women’s literary output, including topics like the historical development of women’s writing, the literary achievements of a single author or a group of authors, theoretical issues pertinent to women’s literary creation, and issues of female creativity. Topics vary from semester to semester. Prerequisites: Any 200-level literature course and GS 100, or permission of instructor.

ENG 329 Contemporary Fiction [3] Reading and discussion of innovative prose writers of the present, such as Barth, Coetzee, Pynchon, Atwood, Coover, Didion, Nabokov, Rushdie, Nai- paul, Carver, Amis, Smith, and others. Emphasis on the fictional versions of the modern world that engage our master storytellers. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 340/REL 231 Myth, Legend, and Folklore [3] Examines myths, legends, and folktales, oral and written, and their influence in forming cultures in Europe and the Americas. The particular cultural contexts will vary according to the instructor. Students will learn a range of critical methods to apply to this varied material. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 341/JS 341/REL 341 The Bible and Literature [3] Reading and discussion of the Bible and selected works of literature focusing on recurring themes, forms, imagery, and symbolism. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 342/REL 233 Greek and Roman Classics in Translation [3] Reading and discussion of selected Graeco-Roman literature, including the myths, legends, epics, lyrics, tragedies, comedies, romances, and satire of the classical world. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 343 Medieval Literature in Translation [3] Reading and discussion of major narrative works of the Middle Ages, in modern English translations, illustrating the varying treatments of important recurrent themes: representative texts such as Beowulf, The Phoenix, The Song of Roland, The Romance of the Rose, Niebelungenlied, Njal’s Saga, Sir Gawain and the Green Knight, and Pearl. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 347/ML 347 Modern European Literature: 1920 to the Present [3] A comparative study of major modern European writers, such as Kafka, Camus, Sartre, Mann, and Beckett. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 348/DRA 348 Modern Drama: Realism and Naturalism [3] Introduction to literature of the modern theater. Playwrights such as Ibsen, Strindberg, Chekhov, Wilde, Shaw, Synge, and O’Neill are studied against the background of contemporary intellectual currents and literary trends. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 349/DRA 349 Modern and Contemporary Drama [3] Playwrights such as Pirandello, Anouilh, Brecht, Ionesco, Genet, Beckett, Pinter, and Miller are read with special attention given to experiments in dramatic forms. Prerequisite: Any 200-level literature course or permission of the instructor.
ENG 368/DRA 362 The Development of Theatre [3] This course focuses on crucial moments in the development of theatre as an art form, paying special attention to the origin and development of various theatrical forms and texts. The history of the art of acting, directing, theatre architecture, scenic lighting, costume design, and playwriting is investigated. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 370/GS 370 Gay and Lesbian Literature [3] There is little consensus as to what exactly counts as gay and lesbian literature, whether it is literature by gays and lesbians, literature about gay and lesbian characters and themes, or literature that gay and lesbian people read. This course examines literature that might be considered part of a gay and lesbian "canon" and contemporary works that reveal current directions of gay and lesbian writing. Prerequisites: Any 200-level literature course and GS 100, or permission of instructor.

ENG 421 Literature for the Adolescent Reader [3] Reading and discussion of literature appealing to, or written for, adolescents and young adults. Various genres will be studied: poetry, drama, short stories, novel, essay. (State certification requirement for secondary school teachers of English.) Prerequisite: Any 200-level literature course or permission of the instructor.

Literary Criticism

ENG 262 Approaches to Poetry [3] An intensive study of the forms, conventions, and techniques of poetry to develop the student’s critical sensibilities through close, analytical reading and discussion of poems over a broad range of periods, authors, and themes.

ENG 461/ML 461 Theories of Literary Criticism [3] Study of major critical theories and techniques of literary criticism. Readings in significant modern literary critics and practical application of their methods. Prerequisite: Any 200-level literature course or permission of the instructor.

Creative Writing

ENG 225W Introduction to Creative Writing [3] A workshop course that introduces students to basic techniques in the writing of short fiction, poetry, drama, and autobiography. Weekly assignments focus on developing skill in such elements of creative writing as character development, plot, dialogue, metaphor and image, versification, among others. Reading of both student work and published work will provide a basis for discussion and practice of technique in this course. Completion of this course enables students to register for upper-division writing seminars in fiction, poetry, playwriting, and the personal essay. Prerequisite: Sophomore standing or permission of instructor. (Writing-intensive course)

ENG 310W Creative Writing: Poetry [3] Intensive practice in writing of poetry in a workshop setting. May be elected for credit more than once with written permission of department chair. Prerequisite: ENG 225W or permission of instructor. (Writing-intensive course)

ENG 311W Creative Writing: Fiction [3] Intensive practice in writing of fiction in a workshop setting. May be elected for credit more than once with written permission of department chair. Prerequisite: ENG 225W or permission of instructor. (Writing-intensive course)

ENG 312W Writing for Publication [3] Advanced work in nonfiction writing, especially the writing of magazine articles, reviews, and feature stories. Prerequisites: RPW 110, 111, and RPW 210W; or permission of instructor. (Writing-intensive course)

ENG 313W/DRA 313W Playwriting [3] This course offers the opportunity to experiment with playwriting techniques in a workshop environment. The basic components of playwriting are taught, focusing particularly on character, dialogue, and plot. Students analyze plays from the standpoint of structure and take the opportunity to view and discuss local live performances. Seminars involve the workshop testing of student writing, focusing on further development of the work. It is intended that weekly writing exercises will culminate in a longer piece of work performed in a series of rehearsed readings. Prerequisite: ENG 225W or DRA 160, or permission of instructor. (Writing-intensive course)

ENG 317W/CMM 317W/PTW 317W Creative Nonfiction [3] This advanced prose-writing course explores the development of a personal narrative voice through the blending of journalistic and fictional techniques. Prerequisites: RPW 110 and 111, or permission of instructor. CMM 250 recommended. (Writing-intensive course)

ENG 333W Studies in Creative Writing [3] Upper-level studies in a variety of creative writing practices. Upper-level studies include the use of forms in poetry, experimental structures
in fiction and essays, and the study of thematic and technical development of longer pieces in all genres. Since the subject will vary semester to semester, this course may be elected for credit more than once with the permission of department chair. Prerequisite: ENG 225W.

ENG 335W Writing as a Self-Creative Process [3] A composing and critiquing workshop with daily writing assignments. The emphasis is on writing as self-discovery and self-creation. Students work out in their own terms what it means to act as composers of their own reality through language—that is, their conceptions of their world and self. Prerequisite: Any 200-level English course or permission of instructor. (Writing-intensive course)

ENG 410W The Art of the Personal Essay [3] This course examines the evolution of the essay, from its origins with Montaigne to its prominence as a form of modern writing. In examining the literary history of the essay, the course also serves as a writing workshop. Prerequisites: RPW 210W and 212, or permission of instructor. (Writing-intensive course)

ENG 415W Advanced Poetry Workshop [3] An intensive, graduate-style writing workshop for advanced poetry writers, particularly those preparing a portfolio with which to apply to graduate programs in creative writing and those seeking publication in literary journals. Emphasis is on writing and revising poems and on in-depth workshop response to peer work. In addition to the practical study of poetry writing, the course includes significant focus on a chronologically organized exploration of theories of poetry, beginning with the 16th century. Admission to the course requires the submission of a poetry sample (five pages) to the instructor or the director of creative writing. Prerequisites: ENG 225W, ENG 310W, and permission of the instructor. (Writing-intensive course)

ENG 425W Advanced Fiction Workshop [3] This workshop is an intensive, graduate-style writing workshop for advanced fiction writers, particularly those who are preparing a portfolio with which to apply to graduate school in creative writing and those ready to seek publication in literary journals. Emphasis is on writing and revising short stories and on in-depth workshop response to stories written by others in the group. Students admitted to the class should expect to submit a new draft of a story every other week and to prepare written responses to stories by others for each class meeting. Research and discussion of current literary journals and publications therein are included. Submission of at least one piece to a literary journal by the end of the course is required. Admission to this course requires the submission of a fiction writing sample (5–10 pages) to the instructor or the director of creative writing. Prerequisites: ENG 225W, ENG 311W, and permission of the instructor.

ENG 462 Literary Editing and Publishing: Aerie Internship [3] Offered in the fall semester, a survey of current literary magazine publishing and contemporary literary magazines, as well as application of such publishing practices in a supervised in-house internship with a magazine, Aerie. Includes solicitation of creative work, reading and ranking submissions, compilation of a collection for publication, and editing and proofreading the collection. Prerequisites: ENG 225W, ENG 226W, and permission of the instructor.

Film Studies

ENG 253/CIN 253 Shakespeare on Film: Plays to 1600 [3] A close study of the transformation into film of dramas of Shakespeare written chiefly before 1600 (first semester), including The Taming of the Shrew, Romeo and Juliet, Julius Caesar; and Henry V. Film fee.

ENG 254/CIN 254 Shakespeare on Film: Plays after 1600 [3] A close study of the transformation into film of dramas of Shakespeare written chiefly after 1600 (second semester), including Hamlet, King Lear, Macbeth, and Anthony and Cleopatra. Film fee.

Language Studies

ENG 359/RPW 359 Contemporary English Grammar [3] Grammatical structures and the application of grammar to prose writing, with emphasis on stylistic study, syntactic arrangement, and semantic meaning. Prerequisite: Any 200-level literature course or permission of instructor.

ENG 390–397 Special Topics in Language and Literature [all 3] Studies in varied literary topics of special or timely importance not ordinarily examined in the regular curriculum. Prerequisite: Any 200-level literature course or permission of the instructor.

ENG 452 History of the English Language [3] The history and development of the English language, Indo-European origins, the evolution of the language from the earliest periods to the present. Studies in etymology, phonetics, and historical linguistics, with supplementary readings illustrating the language through its
successive stages of development. Prerequisite: Any 200-level literature course or permission of the instructor.

Special Courses

ENG 226W Sophomore Seminar in English [3] This seminar introduces English majors to the interdisciplinary nature of literary study. Though its subject varies, the seminar includes a variety of texts and explores various theoretical approaches to their interpretation. Students have opportunities both to consider the broad social, political, and philosophical implications of different critical theories and to engage in the practical work of applying those theories to their reading of literature. The seminar is designed to teach students basic skills of literary research, including how to use such bibliographical tools as the online version of the MLA Bibliography, how to find and procure journal articles and scholarly books, and how to format a research paper in accordance with MLA style. It also provides experience in reading scholarly articles and familiarity with academic literary discourse. Students explore various critical theories in short writing assignments, sometimes assessing the argument of a theoretically informed essay on a literary text, sometimes applying a particular critical theory in a close textual analysis of literary work. Oral as well as written presentation is stressed. Students demonstrate their knowledge of basic research skills by completing a final research paper of 8–12 pages. Prerequisite: For English majors and minors only, or by permission of instructor.

ENG 380, 381 Independent Study [1–3] An independent study project conducted under the direction of a willing faculty mentor. Independent study may be elected for 1, 2, or 3 credits, depending on the nature and scope of the project. Majors must reach agreement with the faculty mentor about the requirements for successful completion of the independent study before enrolling in the course. Prerequisite: Permission of instructor.

ENG 465W The Capstone Course [3] The course focuses on a special topic of literary studies (Detective Fiction, Hypertext, Marlowe and Shakespeare, Theories of Creativity), reintroduces literary theory, and helps students to put together a portfolio of their best writing. The first two objectives are met through informal lecture and discussion, and the last through a workshop atmosphere in which students read and criticize each other’s portfolio entries. This is a course primarily for graduating senior English majors for whom it is a requirement. Typically, the fall capstone focuses on literature and the spring capstone on creative writing. Prerequisites: Senior standing and at least 12 credit hours in English, including ENG 226W. (Writing-intensive course)

ENG 490 English Internship Program [1–3] Internships allow English majors and minors to supplement their classroom work with on-the-job experience in journalism, editing, public relations, and related fields. Typically, during one semester interns work off campus several hours each week under the supervision of professionals in their fields. Prospective interns must secure a faculty mentor and must consult that mentor about the requirements of the internship before enrolling in the course. Prerequisite: Permission of instructor.

Environmental Studies

Interdepartmental Committee
Edward Gray (Chemistry)
Manfred Striefler (Physics and Computer Science)

Environmental Studies Programs

An Interdepartmental Committee has been established to study the creation of new majors in the area of environmental science and studies. Programs in Environmental Science, Environmental Biology, and Environmental Chemistry will be designed for students interested in laboratory and field research, consulting, analytical and diagnostic environmental work, and as a preparation for graduate studies. The curricula are similar during the first year, so a decision about these three majors would not have to be made until the sophomore year. The program in Environmental Studies would be designed for students interested in preparing for careers in environmental policy decision making, natural history interpretation, conservation education and teaching, and as preparation for graduate studies, including law school.

While the committee prepares these majors for college, University, and state approval, students interested in an environmental major are advised that the Interdisciplinary Contract Major program will be used to classify any of these programs as a contracted major of study. This program allows students to propose their own major if an existing traditional major does not exist or meet their needs. Applications are available in the Office of the Dean of Arts and Sciences. Examples of past contract majors in
Environmental Studies / Gender Studies

Environmental Studies Minor
Interdepartmental Committee
Bernard den Ouden (Philosophy)
Manfred Striefler (Physics and Computer Science)

The purpose of the interdisciplinary environmental studies minor is to provide students with an opportunity better to understand environmental issues and to contribute more fully to modern society. The program is designed to foster an appreciation for science, social science, and humanities attitudes and approaches to studying the environment. This approach involves problem solving and decision making, skills that will continue to increase in importance for college graduates. Additionally, an environmental studies minor will provide students with experience in an interdisciplinary setting. Graduates will have a better understanding of our environment and, it is hoped, will continue to develop the skills to work cooperatively with others.

Students considering a minor in environmental studies should plan their course work in consultation with a member of the Interdepartmental Committee. Any member of the committee may be consulted; however, students are initially advised to seek out a member in their major field of study.

Requirements for the Minor
20 credits, including
AUCT 120 Living in the Environment
POL 360 American Public Policy
EC 316 The Economics of Public Policy
CH 116 Chemistry of the Consumer
Internship/Independent Study/Co-op

One elective, to be determined upon consultation with a member of the Interdepartmental Committee. Committee members will have a list of suggested electives.

Note: POL 360 and EC 316 require prerequisites. No more than two courses applied to the minor may be taken Pass/No Pass. All courses taken for a letter grade must be completed with a grade of C or better. Students must formally declare the minor by completing a Change of Major form.

Gender Studies

Associate Professor Miceli, Director (Sociology)

Undergraduate Major Program (B.A.)

The gender studies major is interdisciplinary in nature, drawing upon the considerable expertise of faculty in several colleges across the University. The major (36 credits) consists of an introductory course in gender studies, four electives in the social sciences, four electives in the humanities, two unrestricted electives, and an internship or independent study as a culminating experience.

The list of elective courses ensures both breadth and depth. Students may choose from courses in women’s and gender studies, masculinity, and sexuality, most of which are cross-listed with other programs. Such breadth reflects the strength and flexibility of an interdisciplinary program. Appropriate depth is ensured in that majors are required to take at least 18 credits at the 300 level or above, and minors are required to take at least three such credits.

Requirements for the Major
Required credits: 36
Eighteen credits toward the major must be taken at the 300 level or above.
GS 100 Introduction to Gender Studies
Four electives in the social sciences (see electives in social sciences list)
Four electives in the humanities (see electives in the humanities list)
Two unrestricted electives (see other courses list)
GS 450 Internship
or GS 451 Independent Study

Students must meet prerequisites for courses listed for the minor. See full course descriptions of electives under departmental listings. All courses taken to satisfy the major requirements must be taken for a letter grade and may not be taken on a Pass/No Pass basis. Gender studies majors must have a GPA of 2.0 in the gender studies courses presented for the major.

Requirements for the Minor
Required credits: 18
The minor is similarly structured as the major, whereby students take an introductory gender studies course, two electives in the social sciences, two electives in the humanities, and one unrestricted elective.
Three credits toward the minor must be taken at the 300 level or above.

**GS 100 Introduction to Gender Studies**

Two electives in the social sciences
(see electives in social sciences list)

Two electives in the humanities
(see electives in the humanities list)

One unrestricted elective (see other courses list)

Students must meet prerequisites for courses listed for the minor. See full course descriptions of electives under departmental listings. All courses taken to satisfy the minor requirements must be taken for a letter grade and may not be taken on a Pass/No Pass basis. Gender studies minors must have a GPA of 2.0 in the gender studies courses presented for the minor.

**Electives in the Social Sciences**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GS 225/SOC 225</td>
<td>Women’s and Gay Rights Social Movements</td>
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<tr>
<td>GS 215/EC 215</td>
<td>Women in the Economy</td>
</tr>
<tr>
<td>GS 248/PSY 248</td>
<td>Psychology of Gender</td>
</tr>
<tr>
<td>GS 254/SOC 254</td>
<td>Sociology of the Family</td>
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<tr>
<td>GS 258/PSY 258</td>
<td>Human Sexual Behavior</td>
</tr>
<tr>
<td>GS 281/SOC 281</td>
<td>Women in Society</td>
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<tr>
<td>GS 326/SOC 326</td>
<td>Sexuality and Social Conflict</td>
</tr>
<tr>
<td>GS 315/SOC 315</td>
<td>Sociology of Gender and Sexuality</td>
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<tr>
<td>GS 353W/POL 353W</td>
<td>Gender, Law, and Policy</td>
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<tr>
<td>GS 372/SOC 372</td>
<td>Women and Crime</td>
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**Electives in the Humanities**

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<tbody>
<tr>
<td>GS 330/CMM 330</td>
<td>Gender and Sexuality in Popular Culture</td>
</tr>
<tr>
<td>GS 250/PHI 250</td>
<td>Philosophy of Love and Sexuality</td>
</tr>
<tr>
<td>GS 251W/RPW 251W</td>
<td>Rhetorics of Gender Activism</td>
</tr>
<tr>
<td>GS 222/HIS 222</td>
<td>History of Women in America</td>
</tr>
<tr>
<td>GS 232/HIS 232/REL 232</td>
<td>European and American Witchcraft</td>
</tr>
<tr>
<td>GS 319/ENG 319</td>
<td>The 19th-Century Heroine</td>
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<tr>
<td>GS 370/ENG 370</td>
<td>Gay and Lesbian Literature</td>
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<tr>
<td>GS 350/PHI 350</td>
<td>Ethics of Gender and Sexuality</td>
</tr>
<tr>
<td>GS 340W/RPW 340W</td>
<td>Writing in Gender-Based Activist Organizations</td>
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<tr>
<td>GS 305/ENG 305/AFS 305</td>
<td>African American Women Writers</td>
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<tr>
<td>GS 318/CMM 318</td>
<td>Women and the Media</td>
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<tr>
<td>GS 328/ENG 328</td>
<td>Studies in Women’s Writing</td>
</tr>
<tr>
<td>GS 354/CIN 354</td>
<td>Women in Film</td>
</tr>
<tr>
<td>GS 343/ART 343</td>
<td>Visualizing Gender</td>
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<tr>
<td>GS 383W/PHI 383W</td>
<td>Gender, Knowledge, and Values</td>
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**Other Courses**

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<tr>
<td>AUCS 150</td>
<td>Gender, Identity, and Society</td>
</tr>
<tr>
<td>GS 202</td>
<td>Men and Masculinity</td>
</tr>
<tr>
<td>GS 290, 390, 490</td>
<td>Special Topics in Gender Studies</td>
</tr>
<tr>
<td>GS 291, 391, 491</td>
<td>Studies in Gender and Sexuality</td>
</tr>
<tr>
<td>GS 420</td>
<td>Feminist, Gender, and Sexuality Theory</td>
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<tr>
<td>GS 450</td>
<td>Internship</td>
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<tr>
<td>GS 451</td>
<td>Independent Study</td>
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**Course Descriptions**

**GS 100 Introduction to Gender Studies** [3]

This course explores a range of theoretical approaches to the study of gender, laying the foundation for the major and minor in gender studies. Students examine and critically analyze gender theory and its sources. The course approaches gender as a fundamental category of analysis, with careful attention paid to the intersection of race and class. Its emphasis on theory that is anchored in both the humanities and the social sciences prepares students for subsequent gender studies courses, including those exploring the most recent scholarship coming out of queer theory, masculinity, and sexualities.

**GS 202 Men and Masculinity** [3]

After decades of feminist analysis focused on women’s lives and coming from a variety of perspectives, scholars have turned their gaze toward men. This scholarship scrutinizes not only how men define their identities but also how cultural ideas of masculinity shape everyone’s lives. This course examines men and masculinity through lenses informed by race, class, sexuality studies, and a variety of other angles, all in an effort better to understand things we often take for granted: the lives of men and the role of masculinity in our culture. Prerequisite: GS 100 or permission of instructor.

**GS 215/EC 215 Women in the Economy** [3]

A survey course covering the economic factors that play a significant role in the economic life of women. Topics include the economics of households, marriage, and families, changes in labor-force participation, causes and consequences of gender differences in occupations and earnings, government policies that have an impact on the economic well-being of women, and an international comparison of the economic conditions of women. Prerequisites: GS 100 and EC 101, or permission of instructor.
GS 222/HIS 222 History of Women in America
[3] A survey of the changes in women’s work in the family and economy; the impact of immigration, urbanization, and industrialization; the significance of race, class, and ethnic differences among women; the changing cultural status of women; the development of organized women’s movements. Prerequisite: HIS 100 or HIS 130 or HIS 131, or permission of instructor.

GS 225/SOC 225 Women’s and Gay Rights Social Movements
[3] This course provides a detailed examination of the social struggles for women’s and gay rights in the United States and in various countries across the globe. The main focus of the course is on the specific social conditions and events that precipitated battles for change in various social arenas. The outcome of specific struggles and the impact they had on the social position of women and gay and lesbian people are analyzed. Prerequisite: GS 100 or SOC 110, or permission of instructor.

GS 232/HIS 232/REL 232 European and American Witchcraft
[3] A history of the European and American attitudes toward witchcraft between the Middle Ages and the present. Special attention is paid to the “witchcraft mania” that emerged in the 15th century, to its regional variations, and to its slow subsidence in the late 17th century. The course also discusses the revival of witchcraft in the 20th century. Main currents of interpretation, both early modern and contemporary, are explored. Prerequisite: HIS 100 or HIS 130, or permission of instructor.

GS 248/PSY 248 Psychology of Gender
[3] Analysis of the roles of physiological, psychological, and social factors in the definition of gender- and sex role-related behaviors. Representative theories and research into sex differences and similarities are reviewed. The concepts of masculinity, femininity, and androgyny in today’s rapidly changing society are discussed. Prerequisite: PSY 101 or PSY 102, or permission of instructor.

PHI 250/GS 250 Philosophy of Love and Sexuality
[3] This course offers a critical analysis of the concept of sex and love, particularly as it has developed in the Western philosophical tradition. It explores sex and love as a defining element of human life, even in that “all too human” desire to step beyond ourselves. The role of sex and love is explored through various themes, like the acquisition of knowledge (as an ideal of truth), its place within religious life, and its stakes in ethical and political community. Students gain an understanding of determinate theoretical methods, like phenomenology, psychoanalysis, and critical social theory. Prerequisite: PHI 110 or GS 100.

GS 251W/RPW 251W Rhetorics of Gender Activism
[3] If, as Aristotle claims, rhetoric is the study of the available means of persuasion, then it seems imperative that rhetoric turn its attention to the ways in which activists concerned with issues of gender and sexuality have sought to enact social and political change in a range of contexts throughout history. This course applies rhetorical analysis to essays, speeches, documentary films, visual media, and artifacts from activist organizations—all in an effort to understand better the techniques that gender activists use to mobilize, to challenge, and to create change. Prerequisites: GS 100 and RPW 110, or permission of instructor. (Writing-intensive course) Laboratory fee.

GS 254/SOC 254 The Sociology of the Family
[3] Comparative study of family institutions, with emphasis on the changing patterns of family relations in the United States. Prerequisite: SOC 110 or GS 100.

GS 258/PSY 258 Human Sexual Behavior
[3] This course emphasizes the intrapersonal, interpersonal, and societal aspects of human sexual behavior. Topics include, but are not limited to, the development of sex roles, sexuality across the age span, sexual attitudes, sexual arousal and dysfunction, variations of sexual orientation, legal and economic issues, and research methods. Prerequisite: PSY 101 or PSY 102, or permission of instructor.

GS 281/SOC 281 Women in Society
[3] An examination of the relationship between women’s roles and status. Issues include integration of women into various institutional sectors, theoretical explanations of sex discrimination and inequality, the female and male sex roles in other cultures, and changing social and structural patterns in contemporary America.

GS 305/ENG 305/AFS 305 African American Women Writers
[3] This course has as its premise that the work of contemporary African American women writers—such as Toni Morrison, Alice Walker, Gloria Naylor, Paule Marshall, and Sherley Anne Williams—can be interpreted in the context of an identifiable literary tradition with sources in the late 19th and early 20th centuries. The course looks at the construction of this tradition in terms of specific literary themes and techniques, from “signify-
ing” to communities of women that have been theorized by feminist and African American scholars. Prerequisites: GS 100; and either one 200-level literature course, or AFS 110 or AFS 111; or permission of instructor.

GS 315/SOC 315 Sociology of Gender and Sexuality [3] This course examines gender and sexuality and important social categories. We investigate the ways in which categories of gender and sexuality structure people’s lives and shape people’s identities. Through these examinations, we explore the interconnectedness of people’s experiences of gender and sexuality. We focus on the ways in which gender and sexuality are socially constructed by society. We examine how what we are taught about gender and sexuality affects our identity, relationships with others, and our social status. Prerequisites: GS 100 and SOC 110, or permission of instructor.

GS 317/POL 317 Gender, Power, and Politics [3] Explores politics as a gendered activity. The course examines how gender affects opportunities for political participation as well as our evaluations of political actors. The course focuses on gender and politics in the United States; however, comparative material is included where appropriate. Prerequisite: POL 110, or POL 200W, or GS 100; or permission of instructor.

GS 318/CMM 318 Women and the Media [3] This course examines the role women have played as well as how they have been portrayed in the media, including newspapers, magazines, radio and television, from colonial to present times. Prerequisite: Junior or senior standing is required, or permission of instructor.

GS 319/ENG 319 The 19th-Century Heroine [3] A look at the 19th-century literature that centers on women. The course examines the characterization of female protagonists as products of a particular culture and a writer’s own personal artistic vision, particularly as these relate to concepts of the heroic. A variety of writers and genres is studied, including classic novels, travel writing, working class, and sentimental fiction. Prerequisite: GS 100 or a 200-level literature course, or permission of instructor.

GS 326/SOC 326 Sexuality and Social Conflict [3] This course examines a variety of ways in which sexuality becomes a focus of social conflict. We explore the questions of why and how some aspects of sexuality are brought into the public sphere. We analyze the social construction of sexuality as a personal and private matter but also as a subject for public concern and social regulation, thereby exploring the connections of gender, race, and class to the conflicts surrounding sexuality. Prerequisites: GS 100 and SOC 110, or permission of instructor.

GS 328/ENG 328 Studies in Women’s Writing [3] An analysis of the range of complexity of women’s literary output, including the historical development of women’s writing, the literary achievements of a single author or group of authors, theoretical issues pertinent to women’s literary creation, and issues of female creativity. Topics vary from semester to semester. Prerequisites: Any 200-level literature course and GS 100, or permission of instructor.

GS 330/CMM 330 Gender and Sex in Popular Culture [3] The portrayal of gender and sexuality in popular culture is analyzed. Media, including television, film, magazines, and the Internet, represent and help construct ideas about what it means to be male and female in this society, as well as convey assumptions about sexual orientation. These portrayals take on a particular form for racial and ethnic minorities that often reinforces prevalent stereotypes. Popular culture also depicts sexuality in a manner that presents certain sexual behavior as natural and acceptable, and other kinds as deviant and unusual. The representation of sexuality in a range of media is explored, including mainstream media, advertising, and pornography. The portrayal of gender and sexuality in the culture is examined through a survey of theoretical perspectives on these topics as well as a direct examination of content that represents these aspects of humanity. Prerequisites: GS 100 or CMM 110, and junior or senior standing; or permission of instructor.

GS 340W/RPW 340W Writing in Gender-Based Activist Organizations [3] Focusing on issues such as reproductive rights, health care, and domestic violence, students examine the ways in which activist organizations that are focused on issues of gender and sexuality write about controversial issues for a range of audiences and in response to a variety of situations. Guest speakers and working documents from actual reports, press releases, website content, and other written texts. Prerequisites: RPW 110 and GS 100, or permission of instructor. (Writing-intensive course) Laboratory fee.
GS 343/ART 343 Visualizing Gender [3] An examination of how gender is relevant to the production, reception, and content of art. Gender theory and feminist theory are used to assess the role of gender in society and in artistic practices as they engage with visual images. This course concentrates on one of the following topics: Women in Art, Gender in American art, Masculinity and Modernism, or Gender and Ritual in Africa. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resources fee.

GS 350/PHI 350 Ethics of Gender and Sexuality [3] Consideration of the presuppositions we bring to thinking about ethics and morality, and of the ways in which culturally constructed gender differences affect ethical theory and moral practice. We examine a series of important themes and issues in contemporary discussions of feminist ethics, e.g., sexuality, motherhood, community, cultural difference, human rights, and moral responsibility as it exceeds the framework of rights. Prerequisite: GS 100 or PHI 110, or permission of instructor.

GS 353W/POL 353W Gender, Law, and Policy [3] This course explores gender discrimination in American law. It examines how law has defined and continues to define appropriate behavior for women and men. Although the course emphasizes recent legal developments, it also considers major historical developments and the role of law as an agent of social change. Prerequisites: POL 100; and POL 105 or GS 100 or LAH 100 or SOC 170; or permission of instructor. (Writing-intensive course)

GS 354/CIN 354 Women in Film [3] Images of women in films both popular and alternative, history of melodrama or “women’s pictures,” films made by women, feminist film theory. Prerequisites: ENG 140, or CIN/CMM 150, or GS 100; and junior or senior standing; or permission of instructor.

GS 370/ENG 370 Gay and Lesbian Literature [3] There is little consensus as to what exactly counts as gay and lesbian literature, whether it is literature by gays and lesbians, literature about gay and lesbian characters and themes, or literature that gay and lesbian people read. This course examines literature that might be considered part of a gay and lesbian “canon” and contemporary works that reveal current directions of gay and lesbian writing. Prerequisite sites: Any 200-level literature course and GS 100, or permission of instructor.

GS 372/SOC 372 Women and Crime [3] This course examines the social construction of female criminality, historic and contemporary trends in female crime, the place of women in the social organization of crime control, and a sociological analysis of the changing nature and consequences of female criminality in contemporary societies. The course serves as an introduction to a feminist reading of criminological theory. Prerequisites: SOC 170 or SOC 110, and junior or senior standing; or permission of instructor.

GS 383W/PHI 383W Gender, Knowledge, and Values [3] Philosophy is an ongoing process both of criticism and of construction. In this course we critically examine how the different branches of philosophy—ethics, aesthetics, epistemology, metaphysics, and others—have been inadvertently impoverished by being grounded largely in male experience. We study a rich variety of constructive moves toward a philosophy more engaged with the experience of all human beings. These moves toward gender inclusiveness in philosophy have been made by feminist philosophers and others who have recognized the influence of gender on philosophical criticism and (re)construction. Prerequisites: GS 100 or PHI 110, and junior or senior standing; or permission of instructor. (Writing-intensive course)

GS 420 Feminist, Gender, and Sexuality Theory [3] In this introduction to primary texts in the theories of feminism, gender, and sexuality studies, students read historical and contemporary authors in a range of interdisciplinary contexts, studying such crucial issues as the construction of gender, the importance of standpoint and location, and debates concerning essentialism, difference, power, and intersectionality. While gender and sexual identity serve as primary focal points for the course, discussions of race, class, and other categories of social classification are never far behind. Prerequisites: GS 100 and 9 additional credits of gender studies courses; or permission of instructor.

GS 450 Internship in Gender Studies [3] Under the supervision of a faculty member, the Internship in Gender Studies is designed to be an integrative, culminating experience through which students apply scholarship in gender theory, method, and content to work in an organization or agency outside the University
community. The internship reflects the structure of the academic program, with emphasis on the humanities or social sciences. It also reflects the program’s commitment to foster links between scholarship and community engagement, and provides avenues for career training in the context of a liberal arts environment. Students are expected to meet regularly with their faculty supervisors, keep a research journal, and present their findings in a final paper. Prerequisite: Junior or senior standing, or permission of instructor.

GS 451 Independent Study in Gender Studies [3] Guided by a faculty supervisor, the independent study serves as an integrative, culminating experience on a subject of particular interest to the student. The project typically culminates in a scholarly composition. Student meets regularly with a faculty supervisor to discuss scholarly progress, including, but not limited to, bibliography, thesis, research methodology, theoretical approach, and writing. Students submit regular written progress reports.

GS 290, 390, 490 Special Topics in Gender Studies [3, 3, 3] Covering selected topics in gender studies, these courses vary from year to year and in accordance with the needs of the curriculum and the availability of specialists in these topics. Examples of such topics include Gender and Sexuality in Mythology, Gender and Sexuality in Native American Cultures, Gender and the Nobel Prize. Prerequisites: Vary by topic.

GS 291, 391, 491 Studies in Gender and Sexuality [3, 3, 3] Concentrated studies in gender and sexuality, such as sexuality in the autobiography, gender and reproductive issues, and the economics of gender and sexuality. Students may repeat this course as the topics meet their individual curricula needs. Prerequisites: Vary by topic.

Health Studies Minor

Intercollege Committee
Professor Hardesty
Associate Professors Matacin, Mathews
Assistant Professors Barrett, Kennedy
Program Coordinator Ciarcia (Health Science and Clinical Laboratory Science)

Intercollege Minor Program
The minor in health studies recognizes health care as an ever-present and continually evolving segment of our society within which every individual participates. The program offers a multidisciplinary range of courses offered by a number of departments and colleges, each offering a different perspective on health. The health studies minor encourages examination of modern health concepts and the unique issues, problems, and situations faced by both health care providers and health care consumers. Courses in biology and health science, business and public administration, communication, education, history, nursing, philosophy, psychology, and sociology provide a wide range of perspectives on health.

The health studies minor is not intended for those individuals seeking a major in one of the health professions. Students considering a minor in health studies should plan their course work in consultation with a faculty member of the Health Studies Committee. Any member of the committee may be consulted for this purpose.

Requirements for the Minor
The student will take six courses (19 credits), two required courses and four electives, as indicated in the following sections:

Required Courses
AUCS 340 Ethics in the Professions [3] and either

Elective Courses (four courses)
Select at least one course from each of the following three areas, for a total of 13 credits:
Biomedical Aspects of Health (with laboratory)
BIO 111 General Biology [4]
BIO 212, 213 Anatomy and Physiology [4, 4]
AUCT 140 Epidemics and AIDS [4]

Biomedical Aspects of Health (without laboratory)
HS 335 Physiological Chemistry [3]
HS 470 Pharmacology [3]

Psychosociocultural Aspects of Health
PSY 247 Psychological Aspects of Death and Dying [3]
PSY 261 Stress and Stress Management [3]
PSY 323W Health Psychology [3]
SOC 288/ REL 261 Death and Dying [3]
SOC 351 Sociology of Health and Illness [3]

Students must meet prerequisites for courses listed in the minor. See full course descriptions of electives under departmental listings.

HS 111 Healthcare Concepts [3] A general overview of the healthcare system in today’s society. Working in teams, students investigate current healthcare issues and must demonstrate competency in oral and written communication and utilization of the library. Topics include healthcare systems, healthcare reform, medical ethics, universal precautions, AIDS, alternative medicine, and the roles and responsibilities of allied health professionals. Prerequisite: ENHP 140 or permission of instructor.

PHI 230W Ethical Problems [3] Ethical inquiry through the discussion of actual ethical problems, such as abortion, homosexuality, and euthanasia, and the arguments that are used to resolve or clarify them; and through the investigation of general categories, such as person, choice, agency, presupposed in ethical principles from which the arguments derive. Prerequisite: One PHI course. (Writing-intensive course)

PHI 232/PHB 232 Biomedical Ethics [3] A philosophical discussion of ethical considerations arising from aspects of biological and medical research and medical practice. This course examines issues of relevance to both the researcher and the medical professional, such as euthanasia, animal experimentation, abortion, and patients’ rights. Prerequisite: PHI 110 or equivalent, or special admission on the basis of high-level professional experience in health or relevant research sciences (such admission to be approved by the instructor).

AUCS 340 Ethics in the Professions [3] This integrative course provides a unifying theoretical basis in ethics for the study of ethical decision making in the professions. Case studies in the health professions, business, the media and the arts, and engineering are presented. Students prepare and debate case studies. (Oral and Written Communication, Values Identification, and Critical Thinking) Prerequisite: Junior standing or permission of instructor.

History

Professors Freund, Goldstein (Chair), Rosenthal
Associate Professor Esposito
Assistant Professor Clark
Adjunct Professors Byczkiewicz, Mueller, Richards, Salzman-Fiske

Undergraduate Major Program (B.A.)

In a society too often characterized by uncritical worship of the new—whether it be a new technology or the latest in intellectual fashions—the study of history both connects us to the human experience that has preceded us and shows how that experience has value, interest, power, urgency, and usefulness. Organized to reflect and demonstrate the idea that history matters, History department offerings are designed to help students learn to interpret their world (present as well as past) and to help them gain an appreciation for the fullness of human experience. History courses emphasize a grasp of themes and context—the experience of people in the past rather than rote and tedious memorization. They also focus on helping students learn to write clearly and critically about primary sources as well as more complex historical issues.

Most history courses are divided among three geographically distinct fields of concentration: American history, European history, and the history of Asia and the Middle East. History majors choose to concentrate in one of these areas, while being required to take a minimum number of credits in each of the other fields. As a result, students majoring in history gain a working knowledge of world history, as well as in-depth knowledge of one of the world’s major geographical areas.

Requirements for the Major

Required credits: 36

Each major must complete 36 credits in history. These include 9 credits in required courses: HIS 100 or HIS 101, as well as HIS 130 and HIS 131. Beyond these requirements, history majors take 27 credits, 3 of which are a Senior Seminar in a field of concentration. Majors concentrating in American history take 12 credits in that field beyond the required courses. Majors concentrating in European history or the history of Asia and the Middle East take 15 credits in their fields. In order to guarantee a balanced history education, students take at least 3 credits in each field of concentration and are limited in the number of credits they can apply toward the major from any given field. Finally, all
students take a 400-level capstone Senior Seminar offered in their fields of concentration. Some courses overlap geographical regions and may be counted in one of two different fields. Students should consult their advisors at least once per term to make sure they are taking the appropriate courses.

With the approval of the History department, credit may be granted for selected courses given by other colleges or universities. The department limits transfer credits for the major to 18.

Introductory and advanced studies in both a foreign language and computer science are strongly recommended as valuable tools of historical research; they also satisfy a general education requirement.

Courses required for the major may not be taken on a Pass/No Pass basis. A minimum GPA of 2.0 is required of history majors for graduation.

Students of high motivation and interest, who wish to get the most out of their undergraduate study of history or who plan to do graduate work in history, are strongly urged to point themselves toward enrollment in the University Honors program and to consider undertaking a senior thesis. Faculty advisors help students develop programs of study emphasizing honors courses pertinent to the major and direct independent studies and honors theses.

The History department encourages majors to consider taking a term abroad sometime during their junior or senior year. The opportunity to study a country’s or region’s history on site is almost invariably a broadening and deepening experience for history majors.

**Requirements for the Minor**

**Required credits: 18**

The requirements for the history minor are HIS 100 or HIS 101, HIS 130 or HIS 131, and 12 credits of electives in any field of concentration, as long as the student takes at least 3 credits in each field.

Courses required for the minor may not be taken on a Pass/No Pass basis. A minimum GPA of 2.0 is required of history minors for graduation.

With the approval of the History department, credit may be granted for courses given by other colleges or universities. The department limits transfer credits for the minor to 9.

**Writing Requirement**

Departmental policy requires that students in upper-level history courses undertake substantial written work exclusive of examinations; oral reports may not be substituted for written work. Faculty read, comment on, evaluate, and, if necessary, return this work for revision and reevaluation. The emphasis is on helping students learn to write effective analytical and research papers.

**Internships**

The History department has relationships with a number of area historical and cultural institutions that regularly have internship opportunities for undergraduate history majors. These include the Wadsworth Atheneum Museum of Art, the Connecticut Historical Society, and the Stowe-Day Foundation. Students interested in an internship (HIS 341, HIS 342) should consult their advisors.

**Course Descriptions**

HIS 100, 101, 130, 131, 300 or 301, 341 or 342, 408 or 409 are offered every semester. Field designations in parentheses—(A), (E), or (AME)—following a course description indicate the course may be considered in the alternative field instead, with the proviso that a course may only be counted once for the major or minor and may only be counted in one field of concentration when credits are being totaled for graduation requirements.

**General Courses**

**HIS 100 Civilization since 1500: Making the World Modern** [3] A study of the changing human experience with civilization during the formation of the modern world: the dynamics of economic, intellectual, political, and social modernization, and the dissolution of traditional civilization in the world. This course fulfills a general education requirement.

**HIS 101 Civilization to 1650: Unfolding of Traditional Civilization** [3] A study of the unfolding of traditional civilization: the emergence of civilization in the ancient Near East, the definition and development of traditional civilization in Eurasia and elsewhere to 1650, as Europe began history’s first modernization. This course fulfills a general education requirement.
HIS 290, 291, 292, 390, 391, 490, 491 Special Topics in History [all 3] Selected topics in history, varying from year to year in accordance with the needs of the curriculum and the availability of specialists in such topics.

HIS 300, 301 Independent Study in History [3, 3] The preparation and criticism of a research project in areas of history of particular interest to a student, guided and directed by a faculty member. This gives the student an opportunity to develop and pursue his/her own interests in historical work and to gain experience in the techniques of historical research, writing, and criticism. Prerequisites: HIS 100, 101, and permission of the department.

HIS 341, 342 Student Internship in History [1–4, 1–4] Academically supervised work experience for qualified history majors in area facilities offering curatorial, archival, research, and museum activities. Prerequisites: Major or minor in history, 2.5+ GPA, and permission of the department.

HIS 408, 409 The Senior Thesis [3, 3] Preparation of a senior thesis under the supervision of a departmental advisor and defense of the thesis before a departmental Thesis Committee. Prerequisites: At least 3 credits of HIS 300 or 301, and permission of the department.

American History (A)

HIS 130 The United States to the Civil War Era [3] The first half of a two-part survey of American life since Columbus arrived in the New World, this course focuses on four principal topics: European colonization of the Americas, the development of the colonies and the road to the American Revolution, the origins and growth of African American slavery, and the coming of the Civil War. The course emphasizes broad themes and the experience of many different groups—farmers, servants, Indians, slaves, women—as well as the achievements of great leaders. Required for history majors. No prerequisite.

HIS 131 The United States since the Civil War Era [3] The second half of a two-part survey of American life since Columbus arrived in the New World, this course focuses on five principal topics in American history since 1865: the rise of American industry and the development of American labor, world wars and America’s growing influence on world affairs, the impact of immigration, the birth and explosive growth of mass culture, the struggles to extend American democracy to excluded groups. The course emphasizes broad themes and the experiences of many different Americans as well as the achievements of great leaders. Required for history majors. No prerequisite.

HIS 222/GS 222 History of Women in America [3] A survey of the changes in women’s work in the family and economy; the impact of immigration, urbanization, and industrialization; the significance of race, class, and ethnic differences among women; the changing cultural status of women; the development of organized women’s movements. Prerequisite: HIS 100 or HIS 130 or HIS 131, or permission of instructor.

HIS 224 History of Health and Disease [3] A comprehensive overview of the history of health and disease and the evolution of the healing professions from antiquity to the present. Three distinct themes are developed: disease as a force of change, persistent and changing ideas about health and disease, and healing as science and craft. This course is designed for both students in history and those planning careers in the health professions. Prerequisite: HIS 100 or permission of department chair. (E)

HIS 225/AFS 225 African American History [3] An examination of the broad contours of the history of African Americans in the United States, with primary focus on the period from 1865 to the present. Topics include African American culture, resistance to slavery, black Americans and the military, civil rights, American apartheid, and African Americans and the United States political economy. Prerequisite: HIS 100 or HIS 130 or HIS 131, or permission of department chair.

HIS 228/JS 228/REL 228 American Jewish History [3] The experience of American Jews from the Colonial period to the present, with the examination of their social, political, religious, and economic development. Episodes in the Jewish experience include the Colonial period, the early Republic, the Civil War, the eras of German and East European Jewish immigration to the United States, the Holocaust years, and the post–World War II era. Prerequisite: HIS 100 or HIS 130 or HIS 131.

HIS 232/REL 232/GS 232 European and American Witchcraft [3] A history of the European and American attitudes toward witchcraft between the Middle Ages and the present. Special attention is paid to the “witchcraft mania” that emerged in the 15th century, to its regional variations, and to its slow subsidence in the late 17th century. The course also discusses
the revival of witchcraft in the 20th century. Main currents of interpretation, both early modern and contemporary, are explored. Prerequisite: HIS 100 or HIS 130, or permission of instructor. (E)

HIS 233 U.S.-China Relations [3] An interdisciplinary course analyzing the historical development of U.S.-China relations. The nature of their historical and contemporary views is studied as a reflection of cultural orientation. Their past economic relations are investigated and future relations anticipated. Prerequisite: HIS 100 or 130. (AME)

HIS 241W History as Detection: Workshop [3] A workshop course employing the detective and interview methods in historical research, including artistic, popular, or interdisciplinary topics. Students prepare weekly problem/progress reports for grade and a 2,500-word paper. Class members serve as editorial assistants to each other and are guided by the instructor in the preparation of individual, possibly publishable, papers. Prerequisite: HIS 100 or HIS 101, or their equivalents. (Writing-intensive course)

HIS 261 U.S. Presidential Campaigns: Artifacts, Issues, Personalities [3] Historical study of the presidential races and associated partisan campaigns. Emphasis is placed on critical elections since the colonial era. Participants have an opportunity to study original material in the University’s collection of presidential Americana. Prerequisite: HIS 100 or HIS 102 or HIS 130 or HIS 131.

HIS 354 The Experience of World War [3] The 20th century has been called the “century of total war.” This course—dealing with the World Wars of the 20th century—attempts to explain what this means intellectually, politically, economically, ethically, and scientifically. Prerequisite: HIS 100 or permission of instructor. (E)

HIS 361 History of American Sports [3] This course traces American sports from their beginnings in Puritan-era games to the multibillion-dollar industries of today. We look at the beginnings of horse racing, baseball, and boxing, and their connections to saloons, gambling, and the culture of the Victorian underworld. We follow baseball as it became the national pastime, see how college football took over higher education, and account for the rise of basketball. Finally, we study the rise of mass leisure, the impact of radio and television, racial segregation and integration, and battles between players and owners. Prerequisite: HIS 100 or HIS 101 or HIS 130 or HIS 131.

HIS 362 The Experience of the American Revolution [3] Through an examination of political, cultural, economic, and social developments in the American colonies, this course examines the origins, course, and consequences of the central event in 17th- and 18th-century North America: the American Revolution. Prerequisite: HIS 130 or permission of instructor.

HIS 363 Democracy, Reform, and Slavery: America from Washington to Lincoln [3] This course deals with the period between the administration of George Washington and the election of Abraham Lincoln in 1860. During these years, the United States grew rapidly; experienced a religious awakening and a market revolution; established the legitimacy of its federal government; fought wars against Indians, Great Britain, and Mexico; expanded the democratic rights of white men; and thrived economically from the enslavement of millions of African Americans. Prerequisite: HIS 130 or permission of instructor.

HIS 364 The Experience of the American Civil War [3] This course examines the central event in American history: the Civil War. Rather than focus on the war as strategy, tactics, and battles, the course treats the context and course of the war, its causes and consequences. Students use documentary and secondary sources to understand how all Americans—slave and free, women and men, blacks and whites, Northerners and Southerners, combatants and civilians—experienced and struggled to understand our greatest and deadliest conflict. Prerequisite: HIS 100 or HIS 130, or permission of instructor.

HIS 365 The Creation of Industrial America [3] This course examines the creation of modern industrial America between the end of Reconstruction and the end of World War I. During these years, the nation was transformed from a predominantly rural and agricultural country with few interests overseas into a victorious global and urban industrial power. A huge wave of immigrants and migrants had built and changed American cities; American labor and farmer radicalism had flowered and died; and a new mass culture was born. Prerequisite: HIS 131 or permission of instructor.

HIS 366 Twenties and Thirties America [3] This course explores American society, culture, and politics between the end of World War I
and the beginning of World War II. During this period, the United States experienced the flowering of a mass consumer culture, the rise of religious fundamentalism and corporate power, the greatest depression in the country’s history, an upsurge of labor and political radicalism, and the creation of the modern welfare state. Prerequisite: HIS 131 or permission of instructor.

HIS 367 The Experience of the War in Vietnam [3] United States involvement in the Vietnam War, with reference to the origins of Vietnamese nationalism and communism, the Cold War roots of U.S. intervention, the escalation and decline of the U.S. role, the experience of the common soldier, the antirwar movement, the role of the media, and the war’s long-term social and political effects. Prerequisite: HIS 100 or HIS 131, or permission of instructor.

HIS 368/SOC 327 America in the 1960s [3] An examination of the social and political developments in the United States from 1960 to 1974, including the Kennedy and Johnson administrations, the civil rights movement, the war on poverty, the origins of the counterculture, the revolution in the arts, the Vietnam War, the 1968 election and the crisis of liberalism, the Nixon administration, and Watergate. Prerequisite: HIS 100 or HIS 131, or permission of instructor.

HIS 463 Senior Seminar: Democracy, Reform, and Slavery: America from Washington to Lincoln [3] This course deals with the period between the administration of George Washington and the election of Abraham Lincoln in 1860. During these years, the United States grew rapidly; experienced a religious awakening and a market revolution; established the legitimation of its federal government; fought wars against Indians, Great Britain, and Mexico; expanded the democratic rights of white men; thrived economically from the enslavement of millions of African Americans; and built a myriad of reform movements. Prerequisites: HIS 100, 101, and 130; or permission of instructor.

HIS 465 Senior Seminar: The Creation of Industrial America [3] This capstone course for seniors concentrating in American history is an in-depth study of modern industrial America between the end of Reconstruction and the end of World War I. During these years, the nation was transformed from a predominantly rural and agricultural country with few interests overseas into a victorious global and urban industrial power. A huge wave of immigrants and migrants had built and changed American cities; American labor and farmer radicalism had flowered and died; and a new mass culture was born. Prerequisites: HIS 100, 101, and 131; or permission of instructor.

HIS 466 Senior Seminar: Twenties and Thirties America [3] This capstone course for seniors concentrating in American history is an in-depth study of American society, culture, and politics between the end of World War I and the beginning of World War II. During the 1920s and 1930s, the United States experienced the flowering of a mass consumer culture, the rise of religious fundamentalism and corporate power, the greatest depression in the country’s history, an upsurge of labor and political radicalism, and the creation of the modern welfare state. Prerequisites: HIS 100, 101, and 131; or permission of instructor.

HIS 468 Senior Seminar: America in the 1960s [3] This capstone course for seniors concentrating in American history is an in-depth study of American society, culture, and politics during the most turbulent decade since the end of World War II. The course focuses on African Americans’ struggle for civil rights and the growth of the Black Power movement; on the optimism and adventurousness of the Kennedy years; on the Vietnam War and the struggle to end it; on the birth of modern feminism; and on the growth of campus radicalism and the New Left. Prerequisites: HIS 100, 101, and 131; or permission of instructor.

European History (E)

HIS 209 Civilization in the Ancient World [3] The first transitions to civilization in the Tigris-Euphrates, Nile, Indus, and Huang-Ho valleys; the avenues of cultural interchange to the crystallization of the characteristic culture patterns of India, China, and the Near East. Prerequisite: HIS 101 or permission of department chair. (AME)

HIS 210 Europe: Renaissance to Revolution [3] An exploration of the cultural and constitutional trends in Europe from the Renaissance through the French Revolution, a period that saw enormous changes in political, social, economic and cultural life of Europe as new elements such as the Ottoman Empire appeared, new worlds were discovered, and a new science began to change age-old assumptions and beliefs. No prerequisite.
HIS 213 Europe: Napoleon to Gorbachev [3] An examination of the development of modern Europe and exploration of its cultural and constitutional developments within political, economic, and social contexts. No prerequisite.

HIS 214/JS 214/REL 214 Jewish History from the Exile to the Enlightenment [3] The development and diversity of Jewish life from the destruction of the Second Commonwealth to the French Revolution: the social and spiritual problems of dispersion; the evolution of Jewish society and culture in the Near East and Europe; the historical roots of anti-Semitism; the rise of the ghetto; and relations between the historical experience of the Jews and spiritual currents within their religion, such as Kabbala and Hasidism. Prerequisite: HIS 101 or permission of instructor. (AME)

HIS 215/JS 215/REL 215 Introduction to World Religions [3] A historical study of major modern religions of the West (Judaism, Christianity, Islam) and East (Hinduism, Buddhism, Taoism, Confucianism, and Shinto). This course also examines (1) the methodologies of religious studies, (2) the characteristics that religions share, and (3) the classic questions that religions address. No prerequisite. (AME)

HIS 216/JS 216/REL 216 Modern Jewish History [3] The reciprocal effects of Jewish emancipation and Western history in the modern era, from the French Revolution to the present. Particular emphasis on the Zionist movement and the rise of the “Third Jewish Commonwealth,” the modern state of Israel, viewed both as products of post-Enlightenment nationalism and in their unique aspects. No prerequisite. (AME)

HIS 219 Modern Irish History [3] The often violent history of modern Ireland has been a story of contested identity and suppressed nationalism in which even the meaning of “Irishness” itself was cause for conflict. This course examines the vital, controversial roles that religion, politics, economics, violence, ethnic identity, and imperialism have played in the course of Irish history. Students who have successfully completed HSB 210 Modern Ireland may not take HIS 219 for credit.

HIS 224 History of Health and Disease [3] A comprehensive overview of the history of health and disease and the evolution of the healing professions from antiquity to the present. Three distinct themes are developed: disease as a force of change, persistent and changing ideas about health and disease, and healing as science and craft. This course is designed for both students in history and those planning careers in the health professions. Prerequisite: HIS 100 or permission of department chair. (A)

HIS 229/JS 229/POL 209 The Holocaust [3] Interdisciplinary lectures, readings, and discussions of the roots, details, and consequences of the Holocaust. Historical, intellectual, moral, political, legal, and psychological dimensions of the Holocaust as a phenomenon of its own and as an aspect of genocide. Prerequisite: HIS 100, or POL 105 or 106.

HIS 232/REL 232/GS 232 European and American Witchcraft [3] A history of the European and American attitudes toward witchcraft between the Middle Ages and the present. Special attention is paid to the “witchcraft mania” that emerged in the 15th century, to its regional variations, and to its slow subsidence in the late 17th century. The course also discusses the revival of witchcraft in the 20th century. Main currents of interpretation, both early modern and contemporary, are explored. Prerequisite: HIS 100 or HIS 130, or permission of instructor. (A)

HIS 350 The Rise and Fall of the Soviet Empire [3] An examination of the experience of the world’s largest geographical region from the Russian Revolution to the collapse of the Soviet Union and beyond. Geographic, economic, philosophic, cultural, and political continuities and transformations from 1917 to the present are studied. Prerequisite: HIS 100 or permission of instructor.

HIS 351 Enlightenment and Revolutions: Europe in the 17th and 18th Centuries [3] A study that emphasizes constitutional and cultural changes and influences and their interaction with social, political, and economic developments in 17th- and 18th-century Europe. Prerequisite: HIS 100 or permission of instructor.

HIS 352 Romanticism, Nationalism, Reform: Europe in the 19th Century [3] A study of three characteristics of 19th-century Europe that reflect intellectual, political, economic, and social forces involved in shaping the continent as it would be on the eve of World War I. Prerequisite: HIS 100 or permission of instructor.

HIS 353 Nationalism in Europe [3] Nationalism has been a force in European history from the nation-state building of the early modern period to the present. It has developed and
changed from a force for political unity to a divisive and sometimes destructive influence. We will look at the growth of nationalism in places as diverse as Italy, Germany, Greece, Bosnia, and Albania. Prerequisite: HIS 100 or permission of instructor.

HIS 354 The Experience of World War [3]
The 20th century has been called the “century of total war.” This course—dealing with the World Wars of the 20th century—attempts to explain what this means intellectually, politically, economically, ethically, and scientifically. Prerequisite: HIS 100 or permission of instructor. (AME)

HIS 356 Genocide in the Modern World [3]
This course investigates and compares modern instances of genocide, while seeking to determine factors that make genocide possible in a given society. This study of attempts to exterminate whole races of people includes aboriginal peoples of America and Australia, the Armenian Massacre, the Holocaust, Cambodia, and the former Yugoslavia. Prerequisite: HIS 100 or permission of instructor. (AME)

HIS 453 Senior Seminar: Nationalism in Europe [3] Nationalism has been a force in European history from the nation-state building of the early modern period to the present day. It has developed and changed from a force for political unity to a divisive and sometimes destructive influence. This course looks at the growth of nationalism in places as diverse as Italy, Germany, Greece, Bosnia, and Albania. Prerequisites: HIS 100, 101, 130, and 131; or permission of instructor.

HIS 456 Senior Seminar: Genocide in the Modern World [3] This course investigates and compares modern instances of genocide, while seeking to determine factors that make genocide possible in a given society. This study of attempts to exterminate whole races of people includes aboriginal peoples of America and Australia, the Armenian Massacre, the Holocaust, Cambodia, and the former Yugoslavia. Prerequisites: HIS 100, 101, and 130; or permission of instructor.

HIS 205/JS 205/REL 205/SOC 205 Israel: History and Society [3] This course examines some of the key issues in the development of Israeli history, culture, society, and the arts. In seeking to create a radical new society, Israelis have created a unique culture that blends traditional Jewish culture in its Middle Eastern, Western European, and Eastern European forms. We study major themes in Zionist and Israeli history and the development of Israeli culture through a focus on the central questions that have both unified and divided Israeli society.

HIS 209 Civilization in the Ancient World [3] The first transitions to civilization in the Tigris-Euphrates, Nile, Indus, and Huang-Ho valleys; the avenues of cultural interchange to the crystallization of the characteristic culture patterns of India, China, and the Near East. Prerequisite: HIS 101 or permission of department chair. (E)

HIS 212 Traditions of China and Japan [3] A survey of the East Asian tradition from earliest times to the eve of the modern era. Prerequisite: HIS 100 or 101, or permission of instructor.

HIS 214/JS 214/REL 214 Jewish History from the Exile to the Enlightenment [3] The development and diversity of Jewish life from the destruction of the Second Commonwealth to the French Revolution: the social and spiritual problems of dispersion; the evolution of Jewish society and culture in the Near East and Europe; the historical roots of anti-Semitism; the rise of the ghetto; and relations between the historical experience of the Jews and spiritual currents within their religion, such as Kabbala and Hasidism. Prerequisite: HIS 101 or permission of instructor. (E)

HIS 215/JS 215/REL 215 Introduction to World Religions [3] A historical study of major modern religions of the West (Judaism, Christianity, Islam) and East (Hinduism, Buddhism, Taoism, Confucianism, and Shinto). This course also examines (1) the methodologies of religious studies, (2) the characteristics that religions share, and (3) the classic questions that religions address. No prerequisite. (E)

HIS 216/JS 216/REL 216 Modern Jewish History [3] The reciprocal effects of Jewish emancipation and Western history in the modern era, from the French Revolution to the present. Particular emphasis on the Zionist movement and the rise of the “Third Jewish Commonwealth,” the modern state of Israel, viewed both as products of post-Enlightenment nationalism and in their unique aspects. No prerequisite. (E)

HIS 218 Land of the Rising Sun: Contemporary Media and Print about Japan [3] This course dispels old stereotypes and replaces them with new insights on Japan. Japanese history, society, culture, politics, and economy from the end of World War II to the present are covered. A variety of readings offers participants the
opportunity to see Japanese culture from a different vantage point. Class discussions, enhanced by films, cover a variety of relevant issues, including gangsters and crime, the role of the emperor, future political and economic directions, gender questions, children and education, and everyday life in Japan. Prerequisite: History 100 or permission of instructor.

HIS 233 U.S.-China Relations [3] An interdisciplinary course analyzing the historical development of U.S.-China relations. The nature of their historical and contemporary views is studied as a reflection of cultural orientation. Their past economic relations are investigated and future relations anticipated. Prerequisite: HIS 100 or 130. (A)

HIS 235 The Modern Middle East [3] The attempt of the Muslim world to modernize without abandoning religious belief or cultural distinctiveness. Topics include the political and intellectual pressure of the West; traditional attempts at social and political reform; and the innovations of nationalism, constitutionalism, and socialism. The course includes a discussion of the contemporary search for identity, development, and peace. Prerequisite: HIS 100 or permission of instructor.

HIS 271 Southeast Asia in the 20th Century [3] Southeast Asia is a mosaic of diverse people: Malays, Thais, Burmese, Vietnamese, and many others. These people and their nations are the budding economic “tigers” of the 21st century. This course selects certain Southeast Asian nations and examines their economy, politics, society, culture, and history. Prerequisite: HIS 100 or permission of instructor.

HIS 272/EC 346 Industrialization in Asia [3] An examination of the responses of non-Western societies to contact with Western technological superiority since the Meiji Era in Japan and their varied experiences with the imperatives of induced industrialization, as distinguished from the earlier Western pattern of spontaneous industrialization. Prerequisite: HIS 100 or permission of instructor.

HIS 306/JS 306/POL 376/SOC 306 Archaeology of the Land of Israel [3] This course provides students with an overview of the chronological and cultural structure of the archaeological periods from the third millennium through the Byzantine period, with emphasis on the Roman and Byzantine eras. The course includes fieldwork in Israel, lectures, workshops on material culture, museum tours, and field trips. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. Beyond these required activities, a primary objective of the course is a research paper to be completed during the spring or summer following the return to the United States. This course is linked to an integrated companion course, Archaeological Field Methods and Material Culture. All students complete field-and class work for both courses. Prerequisite: HIS 101 or permission of instructor.

HIS 307/JS 307/POL 377/SOC 307 Archaeological Field Methods and Material Culture [3] This course is an introduction to excavation techniques and material culture. It includes principles of excavation and recording, material culture identification/processing, and field-study tours. Early synagogues and church architecture serve as foci for analysis. This course contains a full introduction to the methodology of Near Eastern archaeology from the Bronze Age to the Iron Age, practical instruction in ceramic typology and Semitic inscriptions, and a survey of Hellenistic, Roman, and Byzantine society. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. This course is linked to an integrated companion course, Archaeology of the Land of Israel. All students complete field- and class work for both courses. Prerequisite: HIS 101 or permission of instructor.

HIS 308/JS 308/REL 308 Bible and Archaeology—Old Testament [3] A critical introduction to the history and literature of the Hebrew Bible in light of its setting in the ancient Near East, using the discoveries of recent scholarship, including archaeology, literary, and textual criticism. Prerequisite: HIS 101 or permission of instructor.

HIS 317/JS 317/REL 317 The Talmud: Its History and Literary Development [3] This course introduces students to the history and literature of the Talmud, the central work of Jewish law and lore that evolved from about 200 B.C.E. (= B.C.) to 500 C.E. (= A.D.). By examining the pertinent texts in their historical context, students concentrate on major issues that also engrossed Greek and Roman thinkers. Such matters as the sanctity of life, theories of democracy and justice, capital punishment, civil and criminal law, and the roles of women and their rights are analyzed amid the relevant historical events and trends and the larger societies that surrounded the Jews. Prerequisite: HIS 101 or permission of instructor.
HIS 318/JS 318/PHI 318/REL 318 Maimonides in Historical Context [3] This course introduces students to the writing, life, and historical context of Moses Maimonides. After a survey of the history of Rabbinic Judaism and Islamic culture, the life and times of Maimonides are treated. The science, metaphysics, and philosophy shared by Jews, Christians, and Muslims are examined using Maimonides’ life and his philosophical, legal, and medical works as implements of analysis. Prerequisite: HIS 101 or permission of instructor.

HIS 333 Revolutions in 20th-Century Asia [3] Varied expressions, in ideology and action, of the revolutionary impulse in the non-Western world since 1898; case studies of the major revolutionary experiences in Turkey and China, and lesser movements elsewhere. Prerequisite: HIS 100 or permission of instructor.

HIS 336/JS 336 The Arabs and Israel [3] The course traces the intellectual roots and political development of the Arab-Israeli conflict. Some of the topics include traditional Muslim-Jewish relations, the development of Arab Nationalism and Zionism, and the factors leading to the creation of the state of Israel. Contemporary topics include the creation of an Israeli nationality, the effects of the four wars fought since 1948, and the ever-continuing search for peace. Prerequisite: HIS 100 or permission of instructor.

HIS 356 Genocide in the Modern World [3] This course investigates and compares modern instances of genocide, while seeking to determine factors that make genocide possible in a given society. This study of attempts to exterminate whole races of people includes aboriginal peoples of America and Australia, the Armenian Massacre, the Holocaust, Cambodia, and the former Yugoslavia. Prerequisites: HIS 100, 101, and 130; or permission of instructor. (E)

HIS 475/JS 475/REL 475 Senior Seminar: Hebrew Prophets [3] A critical survey of the messages and roles of the Hebrew prophets in light of their historical, cultural, and theological background in Israel and the ancient Near East. The course includes an examination of prophecy in the Biblical literature. Prerequisite: HIS/JS/REL 308 or permission of instructor.

Honors Program in the College of Arts and Sciences

The College of Arts and Sciences participates in the University-wide Honors program, which is open to all qualified students. Throughout students’ four years, the program makes available courses that are enriched, innovative, and generally smaller in size than other classes. Qualified first-year students may complete some of their general education requirements by taking special honors sections. Upper-level interdisciplinary honors seminars are also offered, as is the Humanities Center Seminar. In their junior and senior years, students who plan to graduate with honors have two options: pursuing Honors Thesis Research and writing an Honors Thesis, or designing and completing a University Scholar Project. In order to fulfill the college requirements for honors, a University Scholar Project must go through the same approval process as an Honors Thesis. This means that the proposal and the completed project must be approved by the Arts and Sciences Honors Committee as well as by the University Scholar Committee. Guidelines for the preparation of an Honors Thesis and information about the Honors program are available from the coordinator of the Arts and Sciences Honors program, Auerbach 212I. The Honors program is administered by a faculty committee appointed by the dean.

Honors Designation

Students completing a minimum of 18 credit hours of honors work approved by the University Honors program will graduate with a University honors designation on their diploma. A typical Honors program includes

3–9 credits of honors sections of general education courses, AUC courses, or contract honors
the stipulated review and approval process
posal and the thesis then have to pass through
based on departmental honors work. The pr
Committee an Honors Thesis proposal that is
may submit to the Arts and S
fulfilled all the requirements except the thesis
graduate with University honors and who has
danced from the Arts and Sciences honors
 obtained, the student may
program for submitting an Honors Thesis
proposal. The thesis proposal must be approved
in advance by the Arts and Sciences Honors
Committee. Once this approval is
obtained, the student may register for Honors
Thesis Writing. Detailed instructions on the
preparation of an Honors Thesis may be
obtained from the Honors Committee, Auerbach
212I. The thesis also must be approved by two
additional readers. The faculty supervisor des
ignates the second reader. The Arts and Sci
ces Honors Committee designates the third
reader. Prerequisites: Junior or senior standing,
3.25 overall average, and 3.0 average in all
honors courses.

Fall 2010 Honors Courses
Students who qualify for honors courses are
notified by mail. Honors course offerings vary
from year to year. The Schedule of Classes
for any semester contains a listing of that
semester’s offerings.

HON 172 Introduction to Philosophy [3]
HON 173 Introduction to Psychology [3]
HON 181 Introduction to Communication
HON 182 Rhetoric and Writing I [3]
HON 184 Comparative Politics
HON 185 Introduction to Sociology
HON 186 United States to the Civil War
HON 210 Foundations of Argument
HON 229 Nature, Design, and Complexity
HON 280W Introduction to Literature [3]
HON 383 Illness Stories
HON 384 Modalities of Freedom and Vicissitudes of Hope
HON 385 Celebrity Culture in Arts and Entertainment
HON 389 Humanities Center Seminar

All-University Curriculum
Every semester, at least two honors sections of AUC courses are offered.
HON 493 Thesis Research [3]
HON 494 Thesis Writing [3]

International Studies

Associate Professors Clancy, Coordinator (Politics and Government), Cupolo (Modern Languages), Esposito (History), Horvath (Economics), Kovacic (Communication)
Assistant Professor Ayyangar (Politics and Government)

The program in International Studies (IS) at the University of Hartford offers an interdisciplinary major and minor that make use of faculty expertise across disciplines. Students approach global issues in their complexity, including politics, economics, language, history, communication, culture, and arts.

The program prepares students to live, think, and work in a world that is changing rapidly and often with great unpredictability. The major is particularly appropriate for those interested in careers in government, business, education, the nonprofit sector, and certain areas of law. It also provides a solid background for graduate studies in several fields. Faculty advisors work closely with students to tailor the program to individual learning objectives and career plans. Students who major in IS are also strongly encouraged to study abroad during the course of their studies. This can take the form of a semester or year abroad, or participation in a short-term Winterterm or Summerterm program abroad.

The Major
The major in international studies (30–44 credits) includes a set of core courses from across several disciplines, plus more intensive study through one of two tracks, Global Security or Global Development. Together they ensure that students gain both depth and breadth in international studies.

Core
IS 100W Introduction to International Studies
POL 120 Comparative Politics
or POL 130 International Relations

Electives
15 additional credits in one of two tracks, Global Security or Global Development. At least 9 of these credits must be at the 300 level or above, from a list of approved courses. No more than 9 of the credits may come from a single discipline. Current list of approved courses:

Global Security Track
CMM 340 Conflict and Communications
HIS 333 Revolutions in 20th-Century Asia
HIS/JS 336 The Arabs and Israel
HIS 354 The Experience of World War
HIS 356 Genocide in the Modern World
IS 281*/381* Independent Study in International Studies
IS 292*/392* Special Topics in International Studies
IS 380* Internship in International Studies
ML 342*/343* Studies in Modern Languages and Cultures
MLC 470* Integrative Capstone in Modern Languages
MLC 471* Integrative Capstone in Modern Languages
POL 330 American Foreign Policy
POL 331 International Organization and Law
POL 332W Politics of War
POL 421 Political Violence
POL 429* Seminar in Comparative Politics
POL 439* Seminar in International Relations

Global Development Track
AUCC 120 Hunger: Problems of Scarcity and Choice
AUCC 220 Cultures and Transnational Corporations
EC 211 Principles of Microeconomics
EC 330 History of Economic Thought
EC 354 Economic Growth and Development
EC 450 International Economics
HIS 372 Industrialization in Asia
IS 281*/381* Independent Study in International Studies
IS 292*/392* Special Topics in International Studies
IS 380* Internship in International Studies
ML 342*/343* Studies in Modern Languages and Cultures

*Content varies. Must be approved by International Studies steering committee.
ML 470* Integrative Capstone in Modern Languages
ML 471* Integrative Capstone in Modern Languages
POL 222 Third-World Politics
POL 231 International Political Economy
POL 321 Political Change and Development
POL 429* Seminar in Comparative Politics
POL 439* Seminar in International Relations
SOC 272 International Organized Crime

*Content varies. Must be approved by International Studies steering committee.

The Minor
The minor in international studies is also composed of a core and electives totaling 18 credits:

Core
IS 100W Introduction to International Studies and any one of
HIS 100 Civilization since 1500
POL 120 Comparative Politics
POL 130 International Relations
EC 110 Principles of Macroeconomics
Total core credits: 6

Electives
An additional 12 credits from a list of approved courses above. No more than 6 credits may be taken from a single discipline, and at least 6 credits must be at the 300 or 400 level.
Total: 18 credits

Course Descriptions

IS 100W Introduction to International Studies [3] An introductory survey of contemporary forces and issues in global affairs, laying the foundation for the major and minor in international studies. Topics include conflict, governance, economic flows and development, the global commons, and information and culture. Required for IS majors.

IS 281, 381 Independent Study in International Studies [3] Research projects in areas of international studies of particular interest to students. Guided and directed by an IS faculty member, usually leading to a scholarly composition by the student. Prerequisites: IS 100W, GPA of at least 3.0, and permission of sponsoring faculty member.

IS 292 Special Topics in International Studies [3] Study of current international events, developments, and trends. Viewed from global, comparative, and multidisciplinary perspectives, topics include ethnicity and cultural diversity, art, music, literature, theatre, cinema, religion, and political and economic events.

IS 380 International Studies Internship [3] Academically supervised internships for qualified juniors and seniors in international studies. Agencies must do international work in some way, and the internship must be approved by the IS faculty steering committee. Students may propose internships for approval. Prerequisites: IS 100W and junior or senior standing.

IS 392/HIS 392/POL 392 Special Topics: International Studies [3] Study of current international events, developments, and trends. Viewed from global, comparative, and multidisciplinary perspectives, topics include ethnicity and cultural diversity, art, music, literature, theatre, cinema, religion, and political and economic events. Prerequisite: Final year of degree.

IS 400 Capstone International Studies [3] A senior seminar in international studies. This course encourages students to integrate materials learned from other courses into the major. Course topics vary from year to year but always are global in scope and multidisciplinary in approach. The seminar requires a substantive research project. Prerequisites: IS 100W, senior standing, and a major in IS.

Judaic Studies

Professors Freund (Judaic Studies and History), Rosenthal (History), Stull (English)
Associate Professor Schloss (Psychology)
Assistant Professor Patt

The University’s offerings in Judaic studies are administered through the Maurice Greenberg Center for Judaic Studies, an endowed, academic program within the College of Arts and Sciences. Judaic Studies is an interdisciplinary program of study that focuses on the Jews and Judaism, including, but not limited to, historical, linguistic, religious, sociological, political, and philosophical perspectives. The chronological scope of Judaic studies spans the period from the beginnings of ancient Israel through the modern Jews and modern Israel.

Bachelor of Arts in Judaic Studies

Requirements for the Major
Required credits: 42

The University of Hartford offers a Bachelor of Arts in Judaic Studies administered by the Maurice Greenberg Center for Judaic Studies. For those without previous background in Hebrew language, the major consists of 42 credits, including three required core courses in Jewish history (9 credits) and two years of modern Hebrew (12 credits). The modern Hebrew re-
quirement may be waived for students who demonstrate equivalent fluency. Such students are expected to complete 6 additional credits in the courses below. The distribution of each category of elective courses appears in parentheses. General education requirements must be completed according to the requirements of the College of Arts and Sciences. With the approval of the director, credit may be granted for selected courses given by other colleges and universities. The department limits transfer credits for the major to 18. Courses required for the major may not be taken on a Pass/No Pass basis. A minimum GPA of 2.0 is required of Judaic studies majors for graduation.

Writing Requirement
Departmental policy requires that students in upper-level Judaic studies courses undertake substantial written work exclusive of examinations. It is also departmental policy that oral reports may not be substituted for written work. Faculty read, comment on, evaluate, and (if necessary) return this work for revision and reevaluation. The emphasis is on helping students learn to write effective analytical research papers.

Core Courses (21 credits)

History
JS/HIS/REL 214 Jewish History from the Exile to the Enlightenment
JS/HIS/REL 216 Modern Jewish History
JS/HIS/REL 308 Bible and Archaeology—Old Testament

Language
HBR 113-114 Hebrew Language I and II: Elementary Conversational Hebrew
HBR 115-116 Hebrew Language III and IV: Intermediate Conversational Hebrew
ARA 110-111 Arabic Language I and II: Beginner and Intermediate Arabic Language and Culture

Elective Courses
Majors must take seven of the courses below (21 credits); two must be 300- or 400-level courses. No more than four courses (12 credits) may be taken in non-JS courses.

Recommended Elective
JS/HIS/REL 215 Introduction to World Religions

Bible (minimum: one course)
JS/HIS/POL/SOC 306 Archaeology of the Land of Israel
JS/HIS/POL/SOC 307 Archaeological Field Methods and Material Culture (winter and summer terms)
JS/ENG/REL 341 The Bible and Literature
JS/HIS/REL 375 The Hebrew Prophets
SOC 338 Archaeology

History (minimum: two courses)
JS/HIS/REL 228 American Jewish History
JS/HIS 229/POL 209 The Holocaust
JS/HIS 336 The Arabs and Israel
HIS 209 Civilization in the Ancient World
HIS 235 The Modern Middle East
HIS 315 The Islamic World: Triumph and Decline

Religious Thought and Philosophy
JS/REL 218W Jewish, Christian, and Islamic Ethics
JS/HIS/REL 317 The Talmud: Its History and Literary Development
JS/HIS/PHI/REL 318 Maimonides in Historical Context

PHI/PHB 232 Biomedical Ethics
PHI 282 Classical Philosophy: Greece and Rome
PHI 340/REL 352 Philosophy of Religion

Literature (minimum: one course)
JS/ENG/ML 315 Yiddish Literature in Translation I
JS/ENG/ML 316 Yiddish Literature in Translation II
JS/ENG/ML/REL 324W Modern European Jewish Literature
JS/ENG 325 American Jewish Novel

Other Elective Courses
HBR 227-228 Hebrew Language: Advanced I-II
ARA 110-111 Arabic Language I and II: Beginner and Intermediate Arabic Language and Culture
JS 110-111 Yiddish Language I and II
JS 190, 191, 290, 291, 390, 391 Special Topics in Judaic Studies
JS 380, 381 Independent Study in Judaic Studies
JS 425 Contemporary Studies in Jewish Civilization
SOC/GS 281 Women in Society

1These courses require HIS 100 or HIS 101 as prerequisites. HIS 100 is a required course within the general education requirements of the College of Arts and Sciences.

2HBR 113-114 may also be used to fulfill the two-semester modern language basic literacy requirement of the general education requirements.
The following courses have been previously approved as special topics courses and may be offered as special topics or permanent courses in the future:

- Ashkenazic Jewry to 1648
- Christian-Jewish Relations
- Jewish History in East Europe to 1939
- Post–World War II Italian-Jewish Literature
- U.S. Immigration History
- Works of I. B. Singer

**The Minor**

The minor in Judaic studies includes a multidisciplinary range of courses that provides every concentrator with a firm historical foundation and an opportunity to specialize in particular areas of interest. The minor is designed for four-year students completing bachelor’s degrees with traditional majors or minors in any of the University’s colleges.

Those minoring in Judaic studies who choose additional concentrations in the humanities (particularly history or religious studies) may qualify for admission to graduate programs in religious studies or for entrance to divinity or rabbinical schools. Those who combine Judaic studies with business administration, education or the social sciences may be eligible for entry-level positions in Jewish communal service.

**Requirements for the Minor**

**Required credits: 18**

The minor in Judaic studies requires 18 credits—three required courses and 9 credits of electives. Students must meet prerequisites for courses listed in the minor. See course descriptions of electives under departmental listings.

**Courses for the minor may not be taken on a Pass/No Pass basis.** A minimum GPA of 2.0 is required of Judaic studies minors for graduation. With the approval of the director, credit may be granted for selected courses given by other colleges or universities. The department limits transfer credits for the minor to 9.

**Required Courses**

- JS/HIS/REL 214 Jewish History from the Exile to the Enlightenment
- JS/HIS 216 Modern Jewish History
- JS/HIS/REL 308 Bible and Archaeology—Old Testament

**Elective Courses**

See major above.

**Combined Contract Majors**

Two other majors are also available:

**Elementary Education and Judaic Studies Contract Major.** This concentration, presented with the Department of Education and Human Services of the College of Education, Nursing and Health Professions, permits the education student to complete a degree in elementary education with a subject-area major in Judaic studies. The successful student is thus eligible to receive a degree with a dual major in elementary education and Judaic studies. In addition to fulfilling the requirements for state certification, the concentrator qualifies for national licensure from the Jewish Educational Service of North America. He/she is thus eligible to teach in public or parochial schools.

**Pre-Cantorial Major.** A new combined major in voice and Judaic studies is available for students of the University’s Hartt School who seek a strong background in this formal area of study or who wish to prepare themselves for graduate education at one of the major cantorial schools. For further information, contact the academic advisor and evaluator at The Hartt School at 860.768.4458.

**Foreign Study**

The University of Hartford has a Stephen Trachtenberg Scholarship to the Hebrew University of Jerusalem and a similar exchange program at other Israeli universities as well. The programs are generally for juniors and are available to concentrators in Judaic studies as well as other University students.

**Hebrew Language**

Majors are required to study four semesters of Hebrew language or equivalent. Only one 3-credit Hebrew course, however, is permitted toward the minor in Judaic studies. The level of that course is based on the background of the concentrator.

**Lectures and Symposia**

The Greenberg Center sponsors numerous public lectures and periodic symposia on the full range of Judaic studies. These presentations highlight internationally known scholars and are open to the university community and the public. Calendars of these events are published at the beginning of each semester. For further information about courses, concentrations, or future offerings in Judaic studies, as well as foreign study, lectures, and symposia, contact Prof. Richard Freund, Maurice Green-
berg Center for Judaic Studies, Auerbach 110, 860.768.4964; or freund@hartford.edu.

Course Descriptions

ARA 110 Elementary Arabic I [3] This course introduces Modern Standard Arabic (MSA) language and cultures of the Arabic-speaking world. Course includes the five basic skills of listening, speaking, reading, writing, and cultural knowledge.

ARA 111 Elementary Arabic II [3] This course continues the study of Modern Standard Arabic (MSA) language and cultures of the Arabic-speaking world. Course includes the five basic skills of listening, speaking, reading, writing, and cultural knowledge. Prerequisite: ARA 110.

HBR 113-114 Hebrew Language I and II: Elementary Conversational Hebrew [3-3] Development of basic language skills, reading, writing, and speaking. This course also covers cultural material of Israel and Jewish civilization.

HBR 115-116 Hebrew Language III and IV: Intermediate Conversational Hebrew [3-3] This course emphasizes Hebrew conversation, comprehension, and composition. Students master the reading of short Hebrew literary material.


JS 110-111 Yiddish Language I and II [3-3] These courses are designed to instruct the Yiddish language and to acquaint the students with its roots—the Eastern European world where Yiddish was an integral part of life. Students are introduced to basic grammar, vocabulary, and reading excerpts from Yiddish literature, poetry, prose, and folklore.

JS 190, 191, 290, 291, 390, 391 Special Topics in Judaic Studies [all 3] Selected topics in Judaic studies, varying from year to year in accordance with the needs of the curriculum and the availability of specialists in such topics.

JS 205/HIS 205/SOC 205 Israel: History and Society [3] This course examines some of the key issues in the development of Israeli history, culture, society, and the arts. In seeking to create a radical new society, Israelis have created a unique culture that blends traditional Jewish culture in its Middle Eastern, Western European, and Eastern European forms. We study major themes in Zionist and Israeli history and the development of Israeli culture through a focus on the central questions that have both unified and divided Israeli society.

JS 214/HIS 214/REL 214 Jewish History from the Exile to the Enlightenment [3] The development and diversity of Jewish life from the destruction of the Second Commonwealth to the French Revolution: the social and spiritual problems of dispersion; the evolution of Jewish society and culture in the Near East and Europe; the historical roots of anti-Semitism; the rise of the ghetto; and relations between the historical experience of the Jews and spiritual currents within their religion, such as Kabbala and Hasidism. Prerequisite: HIS 101 or permission of instructor.

JS 215/HIS 215/REL 215 Introduction to World Religions [3] A historical study of major modern religions of the West (Judaism, Christianity, Islam) and East (Hinduism, Buddhism, Taoism, Confucianism, and Shinto). This course also examines (1) the methodologies of religious studies, (2) the characteristics that religions share, and (3) the classic questions that religions address.

JS 216/HIS 216/REL 216 Modern Jewish History [3] The reciprocal effects of Jewish emancipation and Western history in the modern era, from the French Revolution to the present. Particular emphasis on the Zionist movement and the rise of the “Third Jewish Commonwealth,” the modern state of Israel, viewed both as products of post-Enlightenment nationalism and in their unique aspects.

JS 218W/REL 218W Jewish, Christian, and Islamic Ethics [3] Students explore religious ethics from the ancient through the modern periods, with emphasis on Jewish, Christian, and Islamic perspectives. Students also study how comparative religious ethics can foster interreligious discourse and interaction, as well as the understanding of contemporary moral issues and controversies. The course fulfills the writing-intensive guidelines for the Judaic studies major.

JS 228/HIS 228/REL 228 American-Jewish History [3] The experience of American Jews from the Colonial period to the present, with the examination of their social, political, religious, and economic development. Episodes in the
Jewish experience include the Colonial period, the early Republic, the Civil War, the eras of German and East European Jewish immigration to the United States, the Holocaust years, and the post–World War II era.

**JS 229/HIS 229/POL 209 The Holocaust** [3] Interdisciplinary lectures, readings, and discussions of the roots, details, and consequences of the Holocaust. Historical, intellectual, moral, political, legal, and psychological dimensions of the Holocaust as a phenomenon of its own and as an aspect of genocide. Prerequisite: HIS 100 or POL 105 or 106.

**JS 306/HIS 306/POL 376/SOC 306 Archaeology of the Land of Israel** [3] This course provides students with an overview of the chronological and cultural structure of the archaeological periods from the third millennium through the Byzantine period, with emphasis on the Roman and Byzantine eras. The course includes fieldwork in Israel, lectures, workshops on material culture, museum tours, and field trips. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. Beyond these required activities, a primary objective of the course is a research paper to be completed during the spring or summer following the return to the United States. This course is linked to an integrated companion course, Archaeological Field Methods and Material Culture. All students complete field- and class work for both courses. This course is offered as part of the Archaeological Excavations in Israel, a Winterterm/Summerterm offering.

**JS 307/HIS 307/POL 377/SOC 307 Archaeological Field Methods and Material Culture** [3] This course is an introduction to excavation techniques and material culture. It includes principles of excavation and recording, material culture identification/processing, and field-study tours. Early synagogues and church architecture serve as foci for analysis. This course contains a full introduction to the methodology of Near Eastern archaeology from the Bronze Age to the Iron Age, practical instruction in ceramic typology and Semitic inscriptions, and a survey of Hellenistic, Roman, and Byzantine society. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. This course is linked to an integrated companion course, Archaeology of the Land of Israel. All students complete field- and class work for both courses. This course is offered as part of the Archaeological Excavations in Israel, a Winterterm/Summerterm offering.

**JS 308/HIS 308/REL 308 Bible and Archaeology—Old Testament** [3] A critical introduction to the history and literature of the Hebrew Bible in light of its setting in the ancient Near East, using the discoveries of recent scholarship, including archaeology, literary, and textual criticism.

**JS 310/REL 310/ART 310/ Ancient Art** [3] This course provides an in-depth consideration of the art of a specific culture or group of cultures that were part of the ancient world. Topics concentrate on one of the following: Pre-Classical Art, Egyptian Art, Classical Art, Greek Art, or Roman Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of instructor. Visual resources fee.

**JS 311/REL 311/ART 311 Medieval Art** [3] This course provides an in-depth consideration of cultures and styles in medieval art and architecture. It may present a survey of the period or concentrate on one of the following areas: Early Christian and Byzantine, Romanesque and Gothic, Medieval Manuscripts, Islamic Art and Architecture, Mediterranean Medieval Art, or Northern Medieval Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with junior/senior standing; or permission of instructor. Visual resources fee.

**JS 315/ENG 315/ML 315 Yiddish Literature in Translation I** [3] An introduction to literature written in Yiddish before 1900, concentrating on the three fathers of Yiddish literature, Mendele Mocher Seforim, Y. L. Peretz, and Sholem Aleichem. Included is the 17th-century journal of Glucks of Hameln, as well as works of the occult. Any 200-level literature course or permission of the instructor.

**JS 316/ENG 316/ML 316 Yiddish Literature in Translation II** [3] This course continues the study of literary forms established by Seforim, Aleichem, and Peretz (The Realistic, The Ironic, The Parodic, etc.), as they appear in the world of such writers as Pinski, Spector, Asch, Reisen, Weissenber, Schneour, Shaipiro, Kulback, I. J. Singer, Opatoshu, Bergelson, Glatstein, Grade. The course also concentrates on what are called Yenne Velt stories, those of Jewish fantasy and occult. Proverbs, folk tales, songs, poems, will
introduce each meeting. Prerequisite: Any 200-level literature course or permission of the instructor.

JS 317/HIS 317/REL 317 The Talmud: Its History and Literary Development [3] This course introduces students to the history and literature of the Talmud, the central work of Jewish law and lore that evolved from about 200 B.C.E. (± B.C.) to 500 C.E. (± A.D.). By examining the pertinent texts in their historical context, students concentrate on major issues that also engrossed Greek and Roman thinkers. Such matters as the sanctity of life, theories of democracy and justice, capital punishment, civil and criminal law, and the roles of women and their rights are analyzed amid the relevant historical events and trends and the larger societies that surrounded the Jews.

JS 318/HIS 318/PHI 318/REL 318 Maimonides in Historical Context [3] This course introduces students to the writing, life, and historical context of Moses Maimonides. After a survey of the history of Rabbinic Judaism and Islamic culture, the life and times of Maimonides are treated. The science, metaphysics, and philosophy shared by Jews, Christians, and Muslims are examined using Maimonides’s life and his philosophical, legal, and medical works as implements of analysis. Prerequisite: HIS 101 or permission of instructor.

JS 324W/ENG 324W/ML 324W/REL 324W Modern European-Jewish Literature [3] This class explores the relationship between the Jewish Enlightenment (Haskalah) and the development of modern Hebrew and Yiddish literature. The readings and class discussions examine shifting conceptions of Jewish identity; contested notions of Diaspora, Exile, and Home; the relationship between Jewish politics and art; and the tension between the particularity of the national experience and the universalism of the Jew. Readings by masters of 19th- and 20th-century European Jewish fiction include S. Y. Abramovitch (Mendele Mocher Seforim), known as the “grandfather” of Yiddish literature; Sholem Aleichem’s humorous tales of Eastern Europe; the folk stories of Y. L. Peretz; Kafka’s modernist parables; Isaac Babel’s passionate narratives of the Russian revolution; I. B. Singer’s tales of demons and sinners; and others. This course fulfills the writing-intensive guideline and literature requirements for the Judaic studies major.

JS 325/ENG 325 American-Jewish Novel [3] A study of some of the major contributions to American-Jewish literature since the turn of the century by American-Jewish novelists. These include, among others, Gold’s Jews without Money, Cahan’s The Rise of David Levinsky, Anzia Yezierska’s Bread Givers, and a novel each by Malamud, Bellow, Roth, Potok, Doctorow, Ozick, and Chermin. Prerequisite: Any 200-level literature course or permission of the instructor.

JS 336/HIS 336 The Arabs and Israel [3] The course traces the intellectual roots and political development of the Arab-Israeli conflict. Some of the topics include traditional Muslim-Jewish relations, the development of Arab Nationalism and Zionism, and the factors leading to the creation of the state of Israel. Contemporary topics include the creation of an Israeli nationality, the effects of the four wars fought since 1948, and the ever-continuing search for peace.

JS 341/ENG 341/REL 341 The Bible and Literature [3] Reading and discussion of the Bible and selected works of literature focusing on recurring themes, forms, imagery, and symbolism. Prerequisite: Any 200-level literature course or permission of instructor.

JS 380, 381 Independent Study in Judaic Studies [1–3, 1–3] A directed research project, guided by a member of the faculty, designed to give students an opportunity to pursue their own interests in Judaic studies and to gain experience in scholarly research, writing, lecturing, teaching, and criticism. The central effort of the course focuses on the preparation and criticism of individual projects, oral and written. Prerequisite: Permission of instructor.

JS 425 Contemporary Studies in Jewish Civilization [3] A course to examine a variety of different historical, literary, cultural, legal, and scientific issues in the critical study of Jewish civilization. Students may repeat this course as the topics meet their individual curricular needs. Prerequisite: Junior or senior standing, or permission of instructor.

JS 475/HIS 475/REL 475 Senior Seminar: Hebrew Prophets [3] A critical survey of the messages and roles of the Hebrew prophets in light of their historical, cultural, and theological background in Israel and the ancient Near East. The course includes an examination of prophecy in the Biblical literature. Prerequisite: JS 308 or permission of instructor.
Mathematics

*Professors* Eisenberg, McGivney, Noonburg, Welna (*emerita*)

*Associate Professors* Benardete, Bugl, Decker, Haruta, Kagan (*Chair*), McGivney-Burelle, Pollina, Turpin, Williams

*Assistant Professor* Xue

*Visiting Instructor* Schroeder

The department offers three different degree programs in mathematics and related areas:

I. B.A. in Mathematics
II. B.A. in Mathematics with Certification in Secondary Education
III. B.S. in Mathematics

Complete program listings for the three degrees follow. A minor in mathematics is also available to students interested in mathematics but who major in other areas (see below).

The term *upper-level courses* used in the following text refers to courses having numbers beginning with 2, 3, or 4.

Mathematics Honors Program

A candidate for honors in mathematics must be a major in mathematics who has completed 18 credit hours of upper-level mathematics courses, and who has achieved a GPA of at least 3.25 in the major and 3.0 overall. In addition, a candidate must also complete the equivalent of a semester’s work on an approved topic not covered in the existing curriculum. An Honors Committee appointed by the chairman and consisting of at least two faculty members reviews the work and administers an oral and/or written examination. The final decision on the granting of honors rests with this committee.

Requirements for a Minor in Mathematics

A minor in mathematics, available to all students, consists of M 144, M 145, and four upper-level mathematics courses.

Students must formally declare the minor by completing a Change of Major form before applying for graduation.

Grade Requirements for a Major or Minor

All required courses, including science and business requirements, must be completed with a minimum overall average of C+. Each of these courses must be taken for a letter grade, and may not be taken on a Pass/No Pass basis.

Bachelor of Arts in Mathematics

The Bachelor of Arts in Mathematics combines a fundamental core of required mathematics courses with the flexibility to choose a number of mathematics electives that help prepare a student for a career in business, education, or technology.

**Requirements for the Major**

**Required credits: 41**

1. *Core Courses*
   - M 144 Calculus I
   - M 145 Calculus II
   - M 220 Linear Algebra
   - M 221W Discrete Mathematics I
   - M 222W Discrete Mathematics II
   - M 240 Calculus of Several Variables
   - CS 111 Programming Foundations
     or CS 114 Computer Programming I
   - M 340 Introductory Analysis
   - M 420 Introduction to Modern Algebra
2. *Elective Courses*
   - 9 hours of upper-level mathematics courses approved by mathematics advisor

Bachelor of Arts in Mathematics with Certification in Secondary Education

Students who successfully complete the program in Secondary Mathematics Education earn a B.A. in mathematics and recommendation for certification to teach mathematics in grades 7 through 12 in Connecticut.

Experiential Education Program

The University’s Experiential Education program is open to mathematics majors. Students must complete the first year with at least a 2.5 GPA and have permission from the department’s co-op faculty coordinator to be eligible for the program.

All co-op students work either full time or part time during at least two terms, including summer terms. Academic credit is awarded and applied toward degree requirements as unrestricted elective courses. Co-op is graded on a Pass/No Pass basis.

For more information, contact the department’s co-op faculty coordinator or the Experiential Education office.

Writing Requirement

In all upper-level mathematics courses, problems are collected and read. These problems are checked for correctness and clarity of presentation.
The Secondary Mathematics Education program at the University of Hartford features a solid mathematics preparation in addition to professional education course work and successively challenging and diverse school-based experiences under the supervision and guidance of University and K–12 faculty.

Requirements for the Major

Required credits: 47

1. Math Requirements
M 114 Everyday Statistics
M 144 Calculus I
M 145 Calculus II
M 220 Linear Algebra
M 221W Discrete Mathematics I
M 222W Discrete Mathematics II
M 240 Calculus of Several Variables
M 310 History of Mathematics
M 340 Introductory Analysis
M 370 Foundations of Geometry
M 380 Teaching Secondary School
Mathematics—Concepts
M 381W Teaching Secondary School
Mathematics—Practice
M 420 Introduction to Modern Algebra
CS 111 Programming Foundations
or CS 114 Computer Programming I

2. Professional Education Courses
EDF 120 Introduction to Education and Human Services
EDH 120 Psychology of Exceptionalities
EDP 220 Learning and Development: Understanding Yourself and Others
EDF 220 Diversity
EDF 222 Introduction to Gifted Education
EDS 332 Effective Teaching I: The Student in the Secondary Classroom
EDS 443 The Teacher as Instructional Leader
EDS 444 Student Teaching: Secondary
EDR 555 Reading across the Curriculum
HE 112 Modern Health Concepts
PE 120 Basics of Human Fitness

Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics consists of a broad range of mathematics courses as well as a sequence of three courses in physics. The degree is designed to give students an appreciation of the applications of mathematics to the sciences and would serve students interested in graduate work in mathematics or careers in engineering, mathematics, or science.

Requirements for the Major

Required credits: 57

1. Core Courses
M 144 Calculus I
M 145 Calculus II
M 220 Linear Algebra
M 221W Discrete Mathematics I
M 222W Discrete Mathematics II
M 240 Calculus of Several Variables
M 242 Differential Equations
M 260 Data Analysis
CS 111 Programming Foundations
or CS 114 Computer Programming I
M 340 Introductory Analysis

2. Elective Courses
Three upper-level mathematics or physics courses approved by a mathematics advisor

3. Physics Courses
PHY 112 Calculus-Based Physics I
PHY 113 Calculus-Based Physics II
PHY 214 Calculus-Based Physics III

Course Descriptions

Students with questions involving the prerequisites for a course should see the instructor of the course. In most cases, admission to a course by permission of the instructor is possible.

M 100, 200, 300, 400, 500 Cooperative Education Program [variable] These courses are intended for students in the cooperative education program. The program is designed to provide students with a series of real-world problems that must be analyzed and modeled to provide solutions that are usable in their work environment. These courses carry 1–3 credits, with the actual number of credits awarded on the basis of work involvement. Cooperative education courses may be repeated for a total of up to 15 credits. All courses must be taken on a Pass/No Pass basis. Prerequisites: Sophomore standing and 2.5 GPA.

M 110 Modeling with Elementary Functions [3] A study of linear, quadratic, cubic, exponential, and logistic equations and their use in modeling real-world phenomena; the graphing of functions; solving equations with one or more variables; and systems of linear equations. The solution of word problems is stressed throughout. This course may serve as preparation for M 112 but not for M 144. Prerequisite: Two years of algebra.

M 112 A Short Course in Calculus [3] A one-semester introduction to the basic concepts and applications of differential and integral calculus. No credit given to students who have previously received credit for M 144 or its equivalent. Prerequisite: M 110 or its equivalent.
M 114 Everyday Statistics [3] Designed to introduce basic concepts of probability, random sampling, data organization, measures of central tendency and variability, binomial and normal probability distributions, statistical inference, elements of hypothesis testing, one- and two-sample tests for means and proportions, chi-square tests for tabular data, an introduction to linear regression and correlation. Prerequisite: Two years of algebra.

M 116 Contemporary Mathematics [3] Designed to introduce the student to a variety of mathematical fields and some of their contemporary applications. Topics selected from logic, set theory, mathematical systems, recursive sequences, probability, statistics, game theory, linear programming, graph theory, computer programming, voting methods, and topology. Prerequisite: Two years of algebra.

M 118 Introduction to Modern Mathematics [4] Sets, operations on sets, historical background for numeration, system of natural numbers, number bases, systems of integers, rational numbers, real numbers, metric geometry, modular systems, groups, fields, rings, integral domains, relations, and functions. A two-hour laboratory period per week is included. Note: This course does not satisfy the mathematics portion of the general education requirements in Arts and Sciences. Prerequisite: Two years of algebra.

M 140 Precalculus with Trigonometry [4] A study of linear and quadratic equations and inequalities; the Cartesian coordinate system for the plane; and the algebra and graphing of functions with special emphasis on polynomial, exponential, and logarithmic functions. Definitions and graphs of the trigonometric functions; solutions of triangles; analytic trigonometry, including circular and inverse trigonometric functions. Solutions of word problems are stressed throughout. A programmable graphing calculator is required. The goal is to prepare students for M 144. Prerequisite: Two years of algebra.

M 144 Calculus I [4] Functions; limits; continuity; differentiation of algebraic, trigonometric, logarithmic, and exponential functions; applications of derivatives; and an introduction to integration. Prerequisite: M 140 or equivalent.


M 220 Linear Algebra and Matrix Theory [3] Linear equations and matrix algebra, determinants, vector spaces, linear independence and bases, linear transformations and their matrix representations, eigenvalues and eigenvectors, diagonalizable matrices. Selected topics from quadratic forms, linear programming, inner product spaces, or numerical linear algebra. Prerequisite: M 145. (Writing-intensive course)

M 221W Discrete Mathematics I [4] Topics include propositional calculus, combinatorics, graph isomorphisms, paths, planarity, colorability, trees and graph algorithms, occupancy problems, generating functions, and recurrence equations. Prerequisite: M 145. (Writing-intensive course)

M 222W Discrete Mathematics II [4] A formal introduction to the basic concepts of modern abstract mathematics. Topics include symbolic logic, predicate calculus, methods of proof, elements of set theory, functions, relations, cardinality, and graph theory. Prerequisite: M 221W. (Writing-intensive course)

M 240 Calculus of Several Variables [4] Vectors in three dimensions, curves and parametric equations in three dimensions, geometry of surfaces, differential calculus of functions of more than one variable with applications, multiple integrals and their applications, the differential and integral calculus of vector fields. Prerequisite: M 145.


M 246 Applied Mathematics with Differential Equations for Civil Engineers [4] Matrix algebra; first- and second-order linear differential equations, including numerical methods; an introduction to partial differential equations, including numerical methods; an introduction to probability and statistics. (A student may not receive credit for both this course and either M 242 or M 344.) Prerequisite: M 240.

M 310 History of Mathematics [3] A historical study of the principal mathematicians of the past 2,500 years and their contributions to the development and growth of the various fields of mathematics. (Offered fall 2010, 2012, 2014) Prerequisite: M 222W or permission of instructor.

M 320 Theory of Numbers [3] Investigation of the arithmetic properties of integers. Unique factorization, congruences, quadratic reciprocity, and other topics are treated. (Offered spring 2012, 2014, 2016) Prerequisite: M 222W.

M 340 Introductory Analysis [3] A rigorous treatment of differentiation and Riemann integration. Topology of the real line, real-valued sequences and their limits, continuity of real-valued sequences and their limits, continuity of real-valued functions, the Mean Value Theorem, a rigorous definition of the definite (Riemann) integral and proofs of its elementary properties, the Fundamental Theorem of Calculus. Other topics may include sequences of functions, series, or function spaces. Prerequisite: M 222W.


M 354 Studies in Mathematical Modeling [3] The process of developing and simulating mathematical models of real-world phenomena are studied. The types of models considered vary from year to year and may include discrete and continuous dynamical models, stochastic models, neural networks, and optimization models. Applications may be to the natural sciences, management science, engineering, or industry. With departmental permission, the course may be repeated for credit. (Offered spring 2011, 2013, 2015) Prerequisite: M 240 or permission of instructor.


M 362 Elements of Statistics [3] Sampling distributions; theory of point and interval estimation; hypothesis testing, significance level, power, Neyman-Pearson Lemma, likelihood ratio tests, chi-square test on categorical data; theory and application of linear models; regression and ANOVA; nonparametric techniques based on ranks. (Offered spring 2011, 2013, 2015) Prerequisite: M 360.


Note: This course does not count toward the University mathematics requirement or the upper-level course requirement in either a math minor or the other two math majors.

M 381W Teaching Secondary School Mathematics—Practice [3] A course in the methods of designing, teaching, assessing, and revising effective lesson and unit plans across the 7–12 mathematics curriculum, including algebra, geometry, number systems, probability/statistics, and discrete math. (Writing-intensive course) Prerequisite: M 380. Note: This course does not count toward the University mathematics requirement or the upper-level course requirement in either a math minor or the other two math majors.

M 420 Introduction to Modern Algebra [3] A study of the fundamental algebraic structure of groups, rings, and fields, including substructure, quotient structure, and morphism concepts. Prerequisite: M 222W.

M 442 Introduction to Complex Analysis [3] Field of complex numbers, algebraic and geometric representations; analytic functions, the Cauchy-Riemann equations, harmonic functions; integration in the complex plane; power
series; Laurent series and singularities of functions; theory of residues; and evaluation of integrals. (Offered spring 2011, 2013, 2015) Prerequisite: M 240.


M 480, 481 Independent Study in Mathematics [1–3, 1–3] Provides an opportunity for the student to study mathematical topics under the direction of a faculty member. Prerequisite: Approval of the department. The signature of the department chairman is required to register for these courses.

M 190, 191, 290, 291, 390, 391, 490, 491 Special Topics in Mathematics [1–4] Investigates mathematical topics not covered in the regular curriculum. Prerequisite: M 221W or permission of department.

Graduate Courses


Modern Languages and Cultures

Associate Professor Frank (Chair)
Assistant Professors Ealy, Cupolo, Russell

Undergraduate Major Program in Modern Languages and Cultures (B.A.)
The major/minor in modern languages and cultures (ML) constitutes a flexible, interdisciplinary program. The ML program offers students the opportunity to become proficient in a foreign language and to acquire knowledge in that culture through study in cognate fields. The ML program is firmly grounded in the College of Arts and Sciences as an integral part of the liberal arts curriculum. As such, it extends second-language use beyond the foreign-language classroom and into existing courses throughout the University of Hartford curriculum. The department allows majors/minors flexibility in designing their study program, and so students may request 15 credit hours of work in related disciplines outside of the ML department, provided they have a foreign language across the curriculum (FLAC) component.

Distinctive features of the Department of Modern Languages are its interdisciplinary emphasis and its use of foreign languages across the curriculum, or purposeful and directed application of foreign-language skills throughout the general University curriculum. Its central proposition is that students acquire competence and critical-thinking skills by applying foreign-language proficiency in other disciplines. Because the major/minor does not limit itself to language/literature learning but focuses on cross-cultural perspectives, FLAC is integral to the ML program.

Designed for a multicultural world, the ML curriculum makes social, political, and economic events integral to a program that focuses on sound foreign-language skills, international literacy, and cross-cultural knowledge.

The Department of Modern Languages and Cultures offers undergraduate majors and minors in French, German, Italian, and Spanish.

I. Requirements for All ML Majors (32 credits)
a. Language sequence (12 credits)
Students apply for admission to the major programs after successfully completing (or testing out of) the 110-111 sequence in their target language. They then begin the language se-
quence, which makes up the first 12 credits of the major. Students earn these 12 credits by taking three 4-credit courses or four 3-credit courses, depending on their target language.

b. Concentration sequence (12 credits)
The next 12 credits of the ML major are subject to flexible definition through the student’s choice of concentration. Eight concentrations are available in the ML major: French language, French studies, German language, German studies, Italian language, Italian studies, Spanish language, and Spanish studies.

Up to 9 of these credits (depending on the concentration) may be taken as special “cognate” courses offered through other departments, and/or as courses in a “cognate language,” and/or through the FLAC program. A major may also count any ML general course as part of the concentration sequence if the works and criticism are read in the original language and the student’s papers are written in that language. Students are to check with their department advisor for appropriate cognates and/or FLAC courses. This approach furthers students’ language skills and add breadth to their chosen concentration.

Study-abroad credits may be substituted for any course that counts toward the concentration, subject to approval by the department.

c. Capstone sequence (8 credits)
All ML majors complete the final 8 credits of their programs by taking two capstone courses for 4 credits each. Most of the students’ work in the capstone sequence is done in the target language.

II. Requirements for All ML Minors (20 credits)

a. Language sequence (12 credits)
Students apply for admission to the minor programs after successfully completing (or testing out of) the 110-111 sequence in their target language. They then begin the language sequence, which makes up the first 12 credits of the minor. Students earn these 12 credits by taking three 4-credit courses or four 3-credit courses, depending on their target language.

b. Concentration/cap sequence (8 credits)
All ML minors complete the final 8 credits of their programs by taking two capstone courses for 4 credits each. Most of the students’ work in the capstone sequence is done in the target language.

III. Concentrations

French Major: Language Concentration
Required credits: 32
FR 210-211 Intermediate French I-II [4-4]
FR 300 Literature, Conversation, and Composition [4]
FR 342-343 Studies in French Culture [3-3]
FR 342-343* or cognate courses** [6]
ML 470-471 Integrative Capstone I-II [4-4]

French Major: French Studies Concentration
Required credits: 32
FR 210-211 Intermediate French I-II [4-4]
FR 300 Literature, Conversation, and Composition [4]
12 credits from either any FR course at the 300 level or above and/or any of a list of specific cognate courses and/or FLAC; and/or study-abroad credits approved by the department**
ML 470-471 Integrative Capstone I-II [4-4]

*These courses may be taken more than once since the content of the courses varies from semester to semester.

**Students may begin work in cognate courses after completing the 210-211 courses. Cognate courses relevant for the French studies major include the following:
AFS 231 Caribbean: 15th Century to the Present (if dealing with Francophone Antilles); also listed as HIS 231 [3]
or AFS 330 Peoples and Cultures of the Caribbean [3] (if dealing with Francophone Antilles)
AFS 446 Modern Africa [3] (if dealing with Francophone Africa)
HIS 210 Traditional Europe to 1765 [3]
HIS 226 Europe since 1763 [3]
ML 351 National Cinemas (when dealing with French cinema) [3]
ART 330 Medieval Art (when dealing with Northern European art) [3]
or ART 351 European 18th-Century Art (when dealing with French artists and movements) [3]
or ART 360 Nineteenth-Century Art (when dealing with French artists and movements) [3]
POL 221 European Comparative Politics and Government [3]

Students may petition to include other relevant courses not listed above if they meet the approval of their academic advisor. Every effort is made to have the cognate courses participate with a FLAC component.
Some of these cognate courses have specific prerequisites that must be met before they can be taken. Students should take these prerequisites as part of their general education requirements or general electives.

**French Minor**

**Required credits: 20**

- FR 210-211 Intermediate French I-II [4-4]
- FR 300 Literature, Conversation, and Composition [4]
- ML 470-471 Integrative Capstone I-II [4-4]

**German Major: Language Concentration**

**Required credits: 32**

- GER 210-211 Intermediate German I-II [4-4]
- GER 300 Literature, Conversation, and Composition [4]
- Junior year abroad courses [12]
- ML 470-471 Integrative Capstone I-II [4-4]

**German Major: German Studies Concentration**

**Required credits: 32**

- GER 210-211 Intermediate German I-II [4-4]
- GER 300 Literature, Conversation, and Composition [4]
- 12 credits from any GER course at the 300 level or above and/or any of a list of specific cognate courses and/or FLAC; and/or study-abroad credits approved by the department*
- ML 470-471 Integrative Capstone I-II [4-4]

*Students may begin work in cognate courses after completing the 210-211 courses. Cognate courses relevant for the German studies major include the following:

- POL 221 European Comparative Politics and Government [3]
- HIS 224 Europe since 1763 or HIS 322 European Balance of Power [3]
- ML 351 National Cinemas (when dealing with German cinema) [3]
- HLM 322, 323 Vocal Literature (when including German Art Song) [3, 3]
- PHI 283 Rationalists and Empiricists [3]
- PHI 380 Nineteenth-Century Continental Philosophy [3]
- IB 310 Introduction to International Business [3]
- MKT 350 Multinational Marketing [3]
- ART 360 Nineteenth-Century Art (when dealing with German artists or movements) [3]
- ART 361 Twentieth-Century Art (when dealing with German artists or movements) [3]
- POL 209 The Holocaust (also listed as HIS/JS 229)

**German Minor**

**Required credits: 20**

- GER 210-211 Intermediate German I-II [4-4]
- GER 300 Literature, Conversation, and Composition [4]
- ML 470-471 Integrative Capstone I-II [4-4]

**Italian Major: Language Concentration**

**Required credits: 32**

- ITA 210-211 Intermediate Italian I-II [4-4]
- ITA 300 Literature, Conversation, and Composition [4]
- Junior year abroad courses [12]
- ML 470-471 Integrative Capstone I-II [4-4]

**Italian Major: Italian Studies Concentration**

**Required credits: 32**

- ITA 210-211 Intermediate Italian I-II [4-4]
- ITA 300 Literature, Conversation, and Composition [4]
- ITA 430 Dante’s *Divine Comedy* [3]
  (also listed as ENG 336)
- ITA 480 Contemporary Italian Italian-Jewish Authors: The Garden and the Holocaust [3]
  (also listed as JS 391)
- 12 credits from any ITA course at the 300 level or above and/or any of a list of specific cognate courses and/or FLAC; and/or study-abroad credits approved by the department*
- ML 470-471 Integrative Capstone I-II [4-4]

*Students may begin work in cognate courses after completing the 210-211 courses. Cognate courses relevant for the Italian studies major include the following:

- POL 221 European Comparative Politics and Government [3]
- HIS 226 Europe since 1763 [3]
- SOC 282 Race and Ethnic Relations [3]
- ART 341 Early Italian Renaissance Art [3]
  or ART 342 High Italian Renaissance Art [3]
- ART 350 European Baroque Art [3]
- ML 351 National Cinemas (when dealing with Italian cinema) [3]
- HLM 322, 323 Vocal Literature (when including Italian vocal music) [3, 3]
HLM 566, 567 Advanced Music Literature (when including Italian vocal music) [3, 3]

Students may petition to include other relevant courses not listed above if they meet the approval of their academic advisor. Every effort is made to have the cognate courses participate with a FLAC component.

Some of these cognate courses have specific prerequisites that must be met before they can be taken. Students should take these prerequisites as part of their general education requirements or general electives.

**Italian Minor**

**Required credits:** 20

ITA 210-211 Intermediate Italian I-II [4-4]

ITA 300 Literature, Conversation, and Composition [4]

ML 470-471 Integrative Capstone I-II [4-4]

**Spanish Major: Language Concentration**

**Required credits:** 32

SPA 210-211 Intermediate Spanish I-II [3-3]

SPA 214-215 Structure, Conversation, and Composition [3-3]

SPA 342-343 Studies in Spanish Culture [3-3]

SPA 342-342* or cognate courses [6]

ML 470-471 Integrative Capstone I-II [4-4]

*These courses may be taken more than once since the content of the courses varies from semester to semester.

**Spanish Major: Spanish Studies Concentration**

**Required credits:** 32

SPA 210-211 Intermediate Spanish I-II [3-3]

SPA 214-215 Structure, Conversation, and Composition [3-3]

12 credits from any SPA course at the 300 level or above and/or any of a list of specific cognate courses and/or FLAC; and/or study-abroad credits approved by the department**

ML 470-471 Integrative Capstone I-II [4-4]

**Students may begin work in cognate courses after completing the 210-211 courses. Cognate courses relevant for the Spanish studies major include the following:

ML 351 National Cinemas (when dealing with Spanish and Latin American cinema) [3]

ART 361 Twentieth-Century Art [3] (may be taken when dealing with Latin American art or artists) [3]

SOC 282 Race and Ethnic Relations [3] or SOC 332 Peoples and Cultures of the Caribbean [3] (also listed as AFS 330) or HON 370 Cultures and Literature of Immigrant Groups [3]

HIS 231 Caribbean since the 15th Century [3] or HIS 423 The Making of America [3]

Students may petition to include other relevant courses not listed above if they meet the approval of their academic advisor. Every effort is made to have the cognate courses participate with a FLAC component.

Some of these cognate courses have specific prerequisites that must be met before they can be taken. Students should take these prerequisites as part of their general education requirements or general electives.

**Spanish Minor**

**Required credits:** 20

SPA 210-211 Intermediate Spanish I-II [3-3]

SPA 214-215 Structure, Conversation, and Composition [3-3]

ML 470-471 Integrative Capstone I-II [4-4]

**Course Descriptions**

**General Courses**

**ML 240/ENG 240 Survey of European Literature I** [3] Reading and discussion of selected authors of Continental Europe to the Renaissance.

**ML 241/ENG 241 Survey of European Literature II** [3] Reading and discussion of selected authors of Continental Europe from the Renaissance to modern times.

**ML 251/CIN 250 World Cinema** [3] An introductory survey of international cinema, selecting classic films of the major national cinemas (France, Italy, Germany, Sweden, Russia, Japan) along with important works from other cinemas (Yugoslavia, India, Brazil, Senegal). Weekly screenings. Prerequisite: CIN/CMM 150. Film fee.

**ML 315/ENG 315/JS 315 Yiddish Literature in Translation I** [3] An introduction to literature written in Yiddish before 1900, concentrating on the three fathers of Yiddish literature, Mendele Mocher Seforim, Y. L. Peretz, and Sholem Aleichem. Included is the 17th-century journal of Gluckel of Hameln, as well as works of the occult. Prerequisite: Any 200-level literature course or permission of instructor.

**ML 316/ENG 316/JS 316 Yiddish Literature in Translation II** [3] This course will continue the study of literary forms established by Seforim, Aleichem, and Peretz (The Realistic, The Ironic, The Parodic, etc.), as they appear in the world of such writers as Pinski, Spector, Asch, Reisen, Weissenber, Schneour, Shapiro, Kul-
back, I. J. Singer, Opatoshu, Bergelson, Glatstein, Grade, and on what are called Yenne Velt stories of Jewish fantasy and the occult. Proverbs, folk tales, songs, poems, will introduce each meeting. Prerequisite: Any 200-level literature course or permission of instructor.

ML 324W/ENG 324W/JS 324W/REL 314W Modern European-Jewish Literature [3]
This class explores the relationship between the Jewish Enlightenment (Haskalah) and the development of modern Hebrew and Yiddish literature. The readings and class discussions examine shifting conceptions of Jewish identity; contested notions of Diaspora, Exile, and Home; the relationship between Jewish politics and art; and the tension between the particularity of the national experience and the universality of the Jew. Readings by masters of 19th- and 20th-century European Jewish fiction include S. Y. Abramovitch (Mendele Mocher Seferim), known as the “grandfather” of Yiddish literature; Sholem Aleichem’s humorous tales of Eastern Europe; the folk stories of Y. L. Peretz; Kafka’s modernist parables; Isaac Babel’s passionate narratives of the Russian revolution; I. B. Singer’s tales of demons and sinners; and other. This course fulfills the writing-intensive guideline and literature requirements for the Judaic studies major.

ML 347/ENG 347 Modern European Literature: 1920 to the Present [3] A comparative study of such modern European writers as Borges, Martin Gaite, Duras, Grass, Camus, Sartre, Mann, and Beckett. Prerequisite: Any 200-level literature course or permission of instructor.

ML 351/CIN 312 National Cinemas [3] Thorough survey of one or more of the major national cinemas (American, British, French, German, Italian, Japanese). Specific national cinema varies by the semester, thus the course may be repeated for credit. Prerequisites: CIN/CMM 150 and foreign-language literature course, or permission of instructor.

ML 390, 391 Special Topics in Modern Languages and Cultures [1–3, 1–3] Content of courses will vary.

ML 461/ENG 461 Theories of Literary Criticism [3] Study of major critical theories and techniques of literary criticism. Readings of significant modern literary critics and practical application of their methods. Prerequisites: ENG 140 and foreign-language literature course, or permission of instructor.

ML 470 Integrative Capstone I: Literature and Critical Theories [4] There are two capstone courses required of all students majoring in modern languages and cultures. The capstone sequence (470–471) presumes advanced competence based on previous experience in the study of major writers, ideas, and cultural periods within the student’s target literature and culture program. The first capstone (ML 470) treats representative writers, genres, and cultural periods, and trains students to make comparisons and connections between different writers, periods, theories, and ideas in the several international literatures and cultures taught in the ML department. The content varies each semester dependent on majors in the capstone. The capstone course is open to students with junior-level standing or by permission of instructor.

ML 471 Integrative Capstone II: Constructions of Culture [4] This is the second and final course in a required capstone sequence. The capstone sequence (ML 470–471) presumes advanced competence based on previous experience in the study of major writers, ideas, and cultural periods within the student’s target literature and culture program. This course will explore and situate theory and methods from cultural studies, an approach in which literary and artistic texts, including film, television, and video, are treated as conveyors of the working myths of a culture, not representations of essences or natures. Cultural studies treats texts as living structures that tend to become frozen within the limits of a historico-cultural scene and to intermingle with the scene to such an extent that imagining something else becomes difficult. In this way, particular categories of class, race, gender, sexualities, and the like acquire the status of norms (become normalized). The course focuses on how messages are constructed, how readers deconstruct them, and on distinct approaches to reading the various texts of a given culture. Prerequisite: Junior standing or permission of instructor. Normally taken in the senior year.

ML 480, 481 Special Topics in Modern Languages and Cultures [3, 3] Independent study in one or more modern language(s) or culture(s) under faculty supervision. May be elected in lieu of a course not being taught when needed, or, when a field of interest to the student is not covered in the curriculum. Open to undergraduates, and to graduates by special arrangement. May be given as a seminar with sufficient
student demand. Prerequisite: Permission of department chair.

ML 510 Graduate Studies in Modern Languages and Cultures [3] Intensive study of major figures, works, and topics that will be offered in the target language or in English as the need arises for graduate credit. Prerequisite: Permission of department chair.

ML 511 Language and Society [3] Language is a major factor in cultural, social, and political organization. While students often study languages, and while they may pay some attention to language issues in courses in the humanities and social sciences, it is seldom that they examine language in all of its major social manifestations. That is the goal of the course. It should assist students in understanding the role of language as a human institution and deepen their language learning as well as their sensitivity to, and awareness of, language issues. The course focuses on how people define themselves through language, how languages compete with one another, and on the forms language takes. It considers the role of language in education, including issues of literacy, immigration, and efforts to promote language unity in the United States.

ML 564 Language Teaching Methodology [3] Study of modern techniques and technologies for the teaching of foreign languages. Prerequisite: Senior or graduate standing, or permission of instructor.

Arabic

ARA 110 Elementary Arabic I [3] This course introduces Modern Standard Arabic (MSA) language and cultures of the Arabic-speaking world. Course includes the five basic skills of listening, speaking, reading, writing, and cultural knowledge.

ARA 111 Arabic II [3] This course continues the study of Modern Standard Arabic (MSA) language and cultures of the Arabic-speaking world. Course includes the five basic skills of listening, speaking, reading, writing, and cultural knowledge. Prerequisites: ARA 110.

Chinese

CHN 110 Chinese I [4] This is a beginning course for students with little or no knowledge of Mandarin Chinese. It introduces Pinyin (Chinese pronunciation system), including 21 consonants and 36 vowels along with the four tones. Students in this course familiarize themselves with Chinese characters, basic vocabularies, and sentence structures. This course also introduces students to contemporary Chinese culture.

CHN 111 Chinese II [4] This course is a continuation of Chinese I. It is a beginning course for students with a semester’s knowledge of Mandarin Chinese. It fosters further familiarization with Pinyin (Chinese pronunciation system), including 21 consonants and 36 vowels along with the four tones. Students in this course familiarize themselves with pronunciation, basic vocabularies, and sentence structures. They develop their ability to converse in simple dialogues about daily activities. Prerequisite: CHN 110.

French

FR 110-111 Elementary French I and II* [3-3] Introduction to spoken and written French based on the Capretz “French in Action” method. Intensive training in speaking and understanding through observation of native French on videocassette, oral practice with audiocassette, and active class participation. No prerequisite.


FR 210-211 Intermediate French I and II [4-4] Courses focus on conversation and composition, undertaking a systematic review of French grammar in a contextual fashion. These courses develop students’ knowledge of cognates and grammatical structures and build vocabulary in order to improve overall proficiency in French. Emphasis is on development of reading and composition strategies through contextual study, using various readings, of the structural patterns of the French language. Appreciation of French culture is developed using a variety of materials drawn from literary texts, current news articles, films, and current news clips. Prerequisite: FR 111 or 116, or equivalent.

FR 300 Literature, Conversation, and Composition [4] This is a postintermediate course of French composition and conversation. It is designed for students with two or more years of college-level French. As a third-level modern-language course, it provides a link between basic language study and more advanced work in French literature and culture. It introduces

*A student who has taken two years of a language in secondary school is normally assigned to the intermediate level of that language.
students to literary analysis while furthering their knowledge of complex grammatical structures and linguistic expression. Thus, FR 300 serves as an introduction to French literature and civilization and is designed to stimulate interest in French history and everyday life. Classes are taught in French. Prerequisite: FR 211 or equivalent.

FR 342, 343 Studies in French Culture [3, 3] An intensive study of French and Francophone figures, works, and cultural movements. Content varies from semester to semester. Courses are taught in French. Prerequisite: FR 211 or permission of instructor.

FR 484, 485, 486, 487 Independent Study in French [variable credit, 1–3 per semester] Individual work in French language, literature, or culture with faculty supervision. By special arrangement only. Open to graduates as well as undergraduates. Prerequisites: Permission of instructor and signature of department chairman on the basis of a written prospectus submitted in advance.

German

GER 110-111 Elementary German I and II* [3-3] Introduction to German. Intensive training in understanding, speaking, reading, writing, and the use of basic structural patterns.

GER 116 Intensive Elementary German [6] Intensive introduction to German. Intensive training in understanding, speaking, reading, writing, and the use of basic structural patterns. This course is the accelerated equivalent of the GER 110-111 sequence.

GER 210-211 Intermediate German I and II [4-4] Courses emphasize communicative skills and language competence in a cultural context. The first semester provides a comprehensive review of grammar and oral and written practice based on readings of short, authentic, nonfictional, and cultural/literary texts. The second semester concentrates on readings in literary and nonliterary texts, with audio, video, and Internet materials. Increasingly difficult grammar review sessions focus on aspects of syntax, which need continued practice. Classes are conducted in German. Prerequisite: GER 111 or 116, or equivalent.

GER 300 Literature, Conversation and Composition [4] This is a course of advanced German composition and conversation, designed for students with two or more years of college-level German. As a third-level modern-language course, it provides a link between basic language study and advanced work in German literature and culture. It introduces students to literary analysis while furthering their knowledge of complex grammatical structures and linguistic expression. Thus, it serves as an introduction to German literature and civilization and is designed to stimulate interest in German history and everyday life. Texts to be read and analyzed include contemporary literary works (prose-lyric-drama) and sociopolitical and cultural documents. Content varies. Class is conducted in German. Prerequisite: GER 211 or equivalent.

GER 484, 485, 486, 487 Independent Study in German [variable credit, 1–3 per semester] Individual work in German language, literature, or culture with faculty supervision. By special arrangement only. Prerequisites: Permission of instructor and signature of department chairman on the basis of a written prospectus submitted in advance.

Italian

ITA 110-111 Elementary Italian I and II* [3-3] Introduction to Italian. Intensive training in understanding, speaking, reading, writing, and the use of basic structural patterns.

ITA 116 Intensive Elementary Italian [6] Intensive introduction to Italian. Intensive training in understanding, speaking, reading, writing, and the use of basic structural patterns. This course is the accelerated equivalent of the ITA 110-111 sequence.

ITA 210-211 Intermediate Italian I and II [4-4] Courses focus on the development of both oral and written communication in the target language. Grammar is presented through cultural readings on contemporary life in Italy (political and social issues, environmental problems, the media, the educational system, sports, and entertainment) as well as 20th-century short literary texts. Prerequisite: ITA 111 or 116, or equivalent.

ITA 300 Literature, Conversation, and Composition [4] This is a course of postintermediate Italian composition and conversation, designed for students with two or more years of college-level Italian. As a third-level modern-language course, it provides a link between basic language study and more advanced work in Italian literature and culture. It introduces students to literary analysis while furthering their knowledge of complex grammatical structures and

*A student who has taken two years of a language in secondary school is normally assigned to the intermediate level of that language.
linguistic expression. Thus, it serves as an introduction to Italian literature and civilization and is designed to stimulate interest in Italian history and everyday life. Classes are taught in Italian. Prerequisite: ITA 211 or equivalent.

**ITA 430 Dante’s *Divina Commedia*** [3] Reading and study of Dante’s masterpiece, with special emphasis on elements of narrative structure and the nature of Dante’s allegory. All reading, papers, and exams in Italian; class lectures in English. Prerequisite: Permission of instructor. Prerequisite: Any 200-level literature course or permission of instructor.

**JPN 110-111 Elementary Japanese I and II*** [4-4] The primary purpose of this course is to learn spoken Japanese. To this end, greater emphasis is placed on developing speaking and listening-comprehension skills than on writing and reading skills. These will come later. The course emphasizes culture: Japanese that is normal and natural. Thus, for example, students hear Japanese spoken at normal speed, and they are expected to speak with correct pronunciation and culturally appropriate behavior, such as bowing, which would make a native Japanese feel comfortable. An additional hour of work in the language lab is required throughout the course (one hour per semester) to reinforce oral skills through extensive drill practice.

**JPN 210-211 Intermediate Japanese I and II*** [3-3] An intensive review and continued development of the four skills, with emphasis on reading literary and cultural texts. Prerequisites: JPN 110-111 or equivalent.

**Spanish**

**SPA 110-111 Elementary Spanish I and II*** [3-3] Development of basic language skills, reading, writing, and speaking. The course also covers cultural material of the country (Spain/Latin America/U.S. Latino) studied.

**SPA 116 Intensive Elementary Spanish** [6] Intensive introduction to Spanish. Intensive training in understanding, speaking, reading, writing, and the use of basic structural patterns. This course is the accelerated equivalent of the SPA 110-111 sequence.

**SPA 210-211 Intermediate Spanish I and II*** [3-3] An intensive review and continued development of the four skills, with emphasis on reading literary and cultural texts. Prerequisite: SPA 110-111 or equivalent.

**SPA 214-215 Structure, Conversation, and Composition** [3-3] Improvement of oral skills and intensive practice in writing. Continued cultural readings. Prerequisite: SPA 210-211 or equivalent.

**SPA 216 Intensive Intermediate Spanish** [6] Continues intensive training in understanding, speaking, reading, writing, and the use of more advanced structural patterns. This course is the accelerated equivalent of the SPA 210-211 sequence. Prerequisites: Completion of SPA 116 or its equivalent, and permission of instructor.

**SPA 342, 343 Studies in Spanish Culture** [3, 3] An intensive study of major figures, works, and cultural movements. Content varies from semester to semester. Courses are taught in Spanish. Prerequisite: SPA 211, its equivalent, or permission of instructor.

**SPA 484, 485, 486, 487 Independent Study** [variable credit, 1–3 per semester] Individual work in the field of Hispanic studies, under faculty supervision. By special arrangement only. Prerequisites: Permission of instructor and signature of department chairman on the basis of a written prospectus submitted in advance.

**Philosophy**

Professor den Ouden
Associate Professors Barnes (emeritus),
Moen (Chair)
Assistant Professor Tucker

**Requirements for the Major**

**Required credits**: 33

PHI 110, 120, 282, 283; and 21 additional credits of philosophy, including 12 credits in third- or fourth-level courses.

Foreign language through the intermediate level, or equivalent reading proficiency as determined by examination upon written request to the philosophy chair. Greek, Latin, French, German, and Spanish are strongly encouraged.
Also accepted are Italian, Japanese, Hebrew, or Arabic. Still other languages may be substituted by departmental approval upon written request to the chair. Students with double majors either may meet this requirement as stated or may elect the following alternative: one year of a foreign language and either PHI 260 Language and Form or PHI 361 Philosophy of Language and Theory of Meaning.

Except for the language requirement, all courses required for the major must be taken for a letter grade, and may not be taken on a Pass/No Pass basis. Courses taken to satisfy the language requirement may be taken on a Pass/No Pass basis.

Requirements for the Undergraduate Minor Program
18 credits of philosophy, including PHI 110 and two courses from the history sequence, selected from PHI 282, 283, 380, 381, and 382.

Philosophy Honors Program
Candidates must be seniors who have completed at least 21 credits in philosophy, including PHI 120, 282, 283, and at least 6 credits in upper-level philosophy courses, with a grade point average of at least 3.5 in philosophy.

Candidates must complete all requirements for a major and an honors thesis. Admission requires a recommendation by a member of the Philosophy department, who consents to serve as thesis advisor, and the approval of the department chair.

Writing Requirement
In accordance with Arts and Sciences policy, writing assignments in upper-level philosophy courses involve a minimum of 3,000 words of college-standard English. Because of the importance placed by the department on clarity of language as essential to clarity of thought, most courses involve writing assignments in excess of the minimum. All major writing assignments are criticized and returned for revision.

Course Descriptions

PHI 110 is offered every semester. All other courses are offered on a regular cycle.

PHI 110 Introduction to Philosophy [3] An introduction to philosophical inquiry into the questions that have perennially engaged philosophical thought, through discussion and the writings of philosophers whose thinking illuminates those questions, such as the nature of reality; the limits of human knowledge; and the significance of social, moral, aesthetic, and religious experience.

Area One: Technical
The courses in this area provide the student with technical skills generally appropriate to critical inquiry, and necessary for the disciplined practice of philosophy.

PHI 120 Practical Reasoning [3] An introduction to the logical use and analysis of inductive and deductive arguments in English: identifying arguments, discovering their patterns, evaluating their cogency, and detecting fallacious reasoning.

PHI 220 Introduction to Symbolic Logic [3] An introduction to logic as a symbolic structure, distinct from natural languages like English, designed to extract from arguments expressed in a natural language only those features relevant to assessing their validity.

Area Two: Systematic
The courses in this area enable the student to develop a philosophical engagement with the many dimensions of human experience, an engagement aiming at humanistic understanding and the intensified practice of philosophy.

PHI 210 Individual and Society [3] Discussion of the relationship between the individual and society. Issues to be treated: ancient and modern conceptions of the self and of its relation to society; the need for a revision of our present concept of selfhood; the degree of our responsibility toward our fellow citizens, including future generations; the question of communitarianism and its relation to liberalism; and the relation of the political, the moral, and the personal. Prerequisite: PHI 110 or permission of instructor.

PHI 230W Ethical Problems [3] Ethical inquiry through the discussion of actual ethical problems, such as abortion, homosexuality, and euthanasia, and the arguments that are used to resolve or clarify them; and through the investigation of general categories, such as person, choice, agency, presupposed in ethical principles from which the arguments derive. Prerequisite: One PHI course. (Writing-intensive course)

PHI 232/PHB 232 Biomedical Ethics [3] A philosophical discussion of ethical considerations arising from aspects of biological and medical research and medical practice. The course will examine issues of relevance to both the researcher and the medical professional, such as euthanasia, animal experi-
PHI 233 Organizational Ethics [3] Introduction to ethical theory as applied to organizations like businesses, governmental units, educational and service organizations. Discussion of whatever special characteristics of organizations may be ethically relevant. Consideration of the relationships of organizations to society in general, to those they are intended to serve, to their individual components, and to other organizations, as well as the relationships of individuals to one another within an organization.

PHI 240/REL 251 God and Reason [3] A critical inquiry into classical and recent philosophical arguments concerning the existence of God, man’s rational knowledge of God, monotheism, the nature of miracles, and similar questions. Among the writings considered are those of Augustine, Anselm, Aquinas, Hume, Kant, Kierkegaard, Marx, James, Russell, Wittgenstein, Tillich, and Hartshorne. Prerequisite: One PHI course.

PHI 250/GS 250 Philosophy of Love and Sexuality [3] This course offers a critical analysis of the concept of sex and love, particularly as it has developed in the Western philosophic tradition. It explores sex and love as a defining element of human life, even in that “all too human” desire to step beyond ourselves. The role of sex and love is explored through various themes, like the acquisition of knowledge (as an ideal of truth), its place within religious life, and its stakes in ethical and political community. Students gain an understanding of determinate theoretical methods, like phenomenology, psychoanalysis, and critical social theory. Prerequisite: PHI 110 or GS 100.

PHI 265 Studies in Native American Philosophy [3] An intensive inquiry into Native American values, epistemologies, concepts of identity and community, responsibility, and the environment. Content varies from semester to semester. This structure allows us to offer a number of particular courses, focusing on the worldviews of Native people. Students can study the Lakota/Dakota, Pueblo, Hopi, Navajo, Apache, Iroquois, or Pequot worldviews. Since Native cultures are intimately connected with place, every appropriate attempt is made to have a travel component for these courses. Reservation visits are arranged for students to meet tribal elders and learn oral histories. Readings by Native American thinkers are required. These courses approach Native cultures on their terms and as they would like to have their worldviews understood. All courses are designed and executed in consultation with Native scholars or tribal elders.

PHI 260W Language and Form [3] A study of classical and recent philosophical positions concerning language, art, and other forms of symbolic expression, including such issues as creativity, linguistic relativity or universality, and the common as well as distinct features of forms of symbolic expression. Prerequisite: One PHI course. (Writing-intensive course)

PHI 270W Mind and Nature [3] A study of classical and recent philosophical discussions of mind and nature, embracing such questions as the roles of perception and imagination in the human experience of nature, space, and time, the relation between human and animal, natural and artificial intelligence, and between human purposes and environment. Prerequisite: One PHI course. (Writing-intensive course)

PHI 271 Introduction to Philosophy of Science [3] This course surveys issues in the philosophy of science. We will examine the nature of scientific method and the role of inductive reasoning in developing scientific hypotheses, theories, and laws. The course will also explore the notion of explanation in the natural sciences and the social sciences. Prerequisite: PHI 110 or permission of instructor.

PHI 340/REL 352 Philosophy of Religion [3] A philosophical examination of the phenomenon of religious experience and practices, addressing such issues as the nature of the sacred; the roles of reason, experience, and faith as modes of religious response; and the significance of religious rituals, language, and symbols as means of religious expression. Prerequisite: One second-level PHI course other than 220, or B+ or higher earned in one first-level PHI course.

PHI 350/GS 350 Ethics of Gender and Sexuality [3] Consideration of the presuppositions we bring to thinking about ethics and morality, and of the ways in which culturally constructed gender differences affect ethical theory and moral practice. We examine a series of important themes and issues in contemporary discussions of feminist ethics, e.g., sexuality, motherhood, community, cultural difference, human rights, and moral responsibility as it...
exceeds the framework of rights. Prerequisite: GS 100 or PHI 110, or permission of instructor.

PHI 361/PTW 361 Philosophy of Language and Theory of Meaning [3] A philosophical investigation of different theories of language and meaning, addressing such issues as the conveyance of cognitive, emotive, and evaluative meaning by linguistic and nonlinguistic means, the manner of formation and means of analysis proper to each type of meaning, and the efficacy of meaning within the context of originator and interpreter. Prerequisite: One second-level PHI course other than 220, or B+ or higher earned in one first-level PHI course.

PHI 383W/GS 383W Gender, Knowledge, and Values [3] Philosophy is an ongoing process both of criticism and of construction. In this course we critically examine how the different branches of philosophy—ethics, aesthetics, epistemology, metaphysics, and others—have been inadvertently impoverished by being grounded largely in male experience. We study a rich variety of constructive moves toward a philosophy more engaged with the experience of all human beings. These moves toward gender inclusiveness in philosophy have been made by feminist philosophers and others who have recognized the influence of gender on philosophical criticism and (re)construction. Prerequisites: GS 100 or PHI 110, and junior or senior standing; or permission of instructor. (Writing-intensive course)

PHI 450 Problems in Philosophy [3] Intensive study of major works, classical and recent, addressing one or more basic philosophical problems of contemporary and abiding interest, such as freedom, justice, evil, and the like. Topics and works selected reflect the varied departmental specialties. Prerequisite: One third-level PHI course, or B+ or higher earned in one second-level PHI course.

PHI 491W/ART 491W Seminar: Art Theory and Methodology [3] Critical and comparative study of selected writing in art criticism, art history, and aesthetics. Historically significant theories concerning the evaluation, the function, and the interpretation of the visual arts are examined. Prerequisites: 15 credits in art history, or PHI 260, or PHI 361, or PHI 380; or permission of instructor. (Writing-intensive course)

**Area Three: Historical**

The courses in this area enable the student to develop a critical appreciation of the integrity and richness of the philosophical tradition, spanning more than 2,500 years, an appreciation indispensable to a liberal education and necessary for the sustained practice of philosophy.

PHI 265 Studies in Native American Philosophy [3] An intensive inquiry into Native American values, epistemologies, concepts of identity and community, responsibility, and the environment. Content varies from semester to semester. This structure allows us to offer a number of particular courses, focusing on the worldviews of Native people. Students can study the Lakota/Dakota, Pueblo, Hopi, Navajo, Apache, Iroquois, or Pequot worldviews. Since Native cultures are intimately connected with place, every appropriate attempt is made to have a travel component for these courses. Reservation visits are arranged for students to meet tribal elders and learn oral histories. Readings by Native American thinkers are required. These courses approach Native cultures on their terms and as they would like to have their worldviews understood. All courses are designed and executed in consultation with Native scholars or tribal elders.

PHI 280/REL 280 Introduction to Asian Philosophy [3] A survey of major religious traditions from Asia. Includes Indian thought (Hindu, Buddhist, and Vedantan); East Asian thought (Confucian, Taoist, their roots and offshoots); and West Asian thought (Sufi thought). The historical development of Asian thought is only one emphasis. Influences of Asian thought in contemporary thought and practice (e.g., Gandhi, Kyoto School) are also emphasized, as are similarities and interactions between Asian and Western philosophy. Prerequisite: PHI 110 or instructor’s permission.


PHI 318/HIS 318/JS 318/REL 318 Maimonides in Historical Context [3] This course introduces students to the writing, life, and historical context of Moses Maimonides. After a survey of the history of Rabbinic Judaism and Islamic culture, the life and times of Maimonides are treated. The science, metaphysics, and philosophy shared by Jews, Christians, and Muslims are examined using Maimonides’ life and his philosophical, legal, and medical works as implements of analysis. Prerequisite: HIS 101 or permission of instructor.

PHI 372 The Postmodern Impulse [3] Explores the history of postmodernism, after a brief review of modernism and modernity. Examines distinct but overlapping varieties of postmodernism, some from fine arts; others from philosophy, history, or social science. Themes cutting across the diverse strands of postmodernism include the ideas of representation, image, and sign, as well as ideas of power, multiplicity, and corporeality. Questions addressed range from how we are to read John Cage’s music, or Disneyland, to how we ought to situate ourselves in relation to world capitalism, identity politics, and cyberspace. Other movements severely critical of modernism are noted (e.g., pragmatism and critical theory). Readings include modern authors (Marx, Baudelaire, Le Corbusier, Nietzsche) as well as postmodern thinkers, such as Venturi, Derrida, Foucault, Lyotard, Irigaray, Baudrillard, Deleuze, and others. Prerequisite: One second-level PHI course other than 220, or B+ or higher earned in one first-level PHI course; or permission of instructor.

PHI 380 Nineteenth-Century Continental Philosophy [3] The European philosophical scene after Kant: romantic idealism, Hegel, Schopenhauer, Kierkegaard, Nietzsche, and the Marxist reaction. Prerequisite: One second-level PHI course other than 220, or B+ or higher earned in one first-level PHI course; or permission of instructor.

PHI 381 Classic American Philosophy [3] The classic period of American philosophy from the Civil War to World War I, with emphasis on the works of Charles S. Peirce, William James, Josiah Royce, and John Dewey. Discussion of the earlier American philosophers and the survival of the classic viewpoints in later 20th-century philosophy. Relation of the distinctive features of American philosophy to the American experience. Prerequisite: One second-level PHI course other than 220, or B+ or higher earned in one first-level PHI course.

PHI 382 Twentieth-Century Philosophy [3] Major movements in 20th-century philosophical thought: Process Philosophy, American Pragmatism, Analytic Philosophy, Feminist Philosophy, and Phenomenology. Discussion of the historical roots of contemporary thought and of its possible future development. Prerequisite: One second-level PHI course other than 220, or B+ or higher earned in one first-level PHI course.

PHI 384/REL 384 Islamic Philosophy [3] A survey including major figures in Islamic philosophy, from al Kindi to al Ghazzali and Ibn ’Arabi, and the issues unique to Islamic thought and their attempted solutions. The time span will reflect the influence of Greek philosophy, particularly Hellenistic Neoplatonism as well as Asian philosophy. Efforts to reconcile philosophy with Islam will be considered, as will the problem of religious diversity and the influences of Islamic philosophy upon European Medieval philosophy and religion. Prerequisite: At least one 200-level philosophy course or permission of the instructor. (PHI 280 Introduction to Asian Philosophy and/or PHI 282 Greek and Roman Philosophy are recommended.)

PHI 190, 290, 390, 490 Special Topics in Philosophy [all 3] Selected topics in philosophy, varying from year to year in accordance with the needs of the curriculum and the availability of specialists in such topics.

PHI 480, 481 Special Problems in Philosophy [3, 3] Designed to provide for occasional coverage of special areas of philosophical thought that have not been intensively inquired into in the broad program. Topics are determined by the department depending on favorable conjunction, availability of scholars, and timeliness of problems and trends. Prerequisite: One third-level PHI course, or B+ or higher earned in one second-level PHI course other than 220.

Independent Study
The courses in this section provide the student, especially but not exclusively one who majors or minors in philosophy, with opportunities to pursue the study of philosophy independently, testing himself/herself as a scholar and philosopher against the standards of the discipline. Consent of instructor must be secured prior to registration.
PHI 460, 461 Honors Thesis [3, 3] Independent study of an individual, movement or problem in philosophy, under the direction of a departmental advisor, and culminating in the submission of a senior thesis to a departmental Honors Committee. Prerequisites: Senior standing, 21 credits in philosophy (including PHI 220, 282, 283, and at least 6 credits earned in upper-level courses), GPA in philosophy no lower than 3.5, and permission of the department.

PHI 470, 471, 472 Independent Study in Philosophy [1–3] Independent study of an individual, movement, or problem in philosophy under the direction of a member of the department. Arrangements should be made with the chair, but approval of the course depends on the availability of faculty. Prerequisites: 12 credits in philosophy, GPA in philosophy no lower than 3.0, and permission of the instructor, secured prior to registration.

Physics

Professors Gardner (emeritus), Gould
Associate Professors Bugl, Goldick (emeritus), Kagan (Chair), McDonald, Striefler
Assistant Professor Mohottala

The department offers two bachelor’s degrees in physics and related areas:

B.A. in Physics
B.S. in Physics

A minor in physics is also available to students interested in physics but majoring in other areas (see following paragraphs).

The term upper-level courses used in following paragraphs refers to courses having numbers beginning with 2, 3, or 4.

Physics Honors Program

A candidate for honors in physics must be a major in physics who has completed 18 credit hours of upper-level physics courses, and who has achieved a GPA of at least 3.25 in the major and 3.0 overall. In addition, a candidate must complete the equivalent of a semester course on an approved topic not covered in the existing curriculum. An Honors Committee appointed by the chairman and consisting of at least two faculty members will review the work and administer an oral and/or written examination. The final decision on the granting of honors will rest with this committee.

Requirements for a Minor in Physics

The minor in physics, available to all students, consists of PHY 112, PHY 113, PHY 214, and three upper-level physics courses other than PHY 340.

Grade Requirements for a Major or Minor

All required courses, including elective and application requirements for a major, must be completed with a minimum overall average of C+. Each of these courses must be taken for a letter grade, and may not be taken on a Pass/No Pass basis.

Experiential Education Program

The University’s Experiential Education program is open to physics majors. Students must complete a minimum of the first year with a 2.5 GPA and have permission from the department’s co-op faculty coordinator to be eligible for the program.

All co-op students work either full or part time during at least two terms, including summer terms. Academic credit is awarded and applied toward degree requirements as unrestricted elective courses. Co-op is graded on a Pass/No Pass basis.

For more information, contact the department’s co-op faculty coordinator or the Experiential Education office.

Writing Requirement

In all upper-level physics courses, assignments will be collected and read. These assignments will be checked for correctness and clarity of presentation.

Bachelor of Arts in Physics

This is a flexible program consisting of a concentration in physics, requirements in mathematics and chemistry, and a broad range of required and elective courses in the arts and sciences. The required courses may be combined with courses in education to complete certification for teaching in the public schools.

Requirements for the Major

Required credits: 50–51

1. Physics Courses

PHY 112 Calculus-Based Physics I
PHY 113 Calculus-Based Physics II
PHY 214 Calculus-Based Physics III
PHY 310 Modern Physics I
13 additional credits of upper-level physics courses

2. Chemistry Courses

CH 110 College Chemistry
CH 111 College Chemistry
3. Mathematics Courses
M 144 Calculus I
M 145 Calculus II
One upper-level mathematics course

4. Computer Science Course
CS 114 Computer Programming I

Bachelor of Science in Physics
This is an intensive program in physics designed to prepare specialists for graduate training in physics or (by appropriate choice of electives) for employment in industry. The program has ample room for electives in the arts and sciences and for teacher certification, if desired.

Requirements for the Major
Required credits: 72

1. Physics Courses
PHY 112 Calculus-Based Physics I
PHY 113 Calculus-Based Physics II
PHY 214 Calculus-Based Physics III
PHY 210 Thermal Physics
PHY 310 Modern Physics I
PHY 330 Mechanics
PHY 405 Electromagnetic Theory

2. Physics Electives
Five additional upper-level physics courses approved by a physics advisor

3. Mathematics Courses
M 144 Calculus I
M 145 Calculus II
M 240 Calculus of Several Variables
M 242 Differential Equations

4. Computer Science Course
CS 114 Computer Programming I

5. Chemistry Courses
CH 110-111 College Chemistry

6. Technical Electives
Two courses approved by a physics advisor

A foreign language is not required, but is recommended for students intending to enter graduate school.

Course Descriptions

PHY 100, 200, 300, 400, 500 Cooperative Education Program [variable] This course is intended for students in the Cooperative Education program. The program is designed to provide the students with an exposure to problems at commercial laboratory facilities where they can use the skills and concepts they have learned. This course carries from 1 to 3 credits. The actual number of credits awarded is decided by the faculty coordinator and is based on the level of the student’s involvement. Cooperative education courses may be repeated for a total of up to 15 credits. All courses must be taken on a Pass/No Pass basis. Prerequisites: Sophomore standing and 2.5 GPA.

This course will deal with basic physical principles and illustrate their application to the function of various systems of the human body. Emphasis will be placed on force, work, temperature, and heat within the context of skeletal/muscular and temperature regulatory systems. Prerequisite: High school algebra. Laboratory fee.

PHY 102 Electricity and the Body [4] This course is intended to satisfy the needs of students majoring in allied health programs and students needing a laboratory science course for the general education requirements. The topics include electric charge, current, voltage, capacitance, instruments, circuits, and electromagnetism. Specific examples include nerve conduction and electric shock. Prerequisite: Ability to use algebra on a high school level. Laboratory fee.

PHY 112 Calculus-Based Physics I [4] This is the first part of a three-semester course in introductory physics intended for students majoring in the physical sciences or in engineering. The subject matter is the study of Newtonian mechanics. Prerequisite: M 144 (may be taken concurrently). Laboratory fee.

PHY 113 Calculus-Based Physics II [4] This is the second part of the three-semester sequence described in PHY 112. The subject matter includes the study of fluids, heat, mechanical waves, and optics. Prerequisites: PHY 112 and M 144. Laboratory fee.

PHY 120 Algebra-Based Physics I [4] This is the first semester of a two-semester course in introductory physics intended for students majoring in the life sciences, technology programs, or preparing for professional schools. The topics include Newtonian mechanics, fluid mechanics, and heat. Prerequisites: Two years of algebra, geometry, and trigonometry. Laboratory fee.

PHY 121 Algebra-Based Physics II [4] This is the sequel to PHY 120. The topics include wave motion, acoustics, optics, electricity, magnetism, physics of the atom, and physics of the nucleus. Prerequisite: PHY 120. Laboratory fee.

PHY 210 Thermal Physics [3] The fundamental ideas of heat and temperature are introduced, leading to concepts of thermodynamic systems,
work-energy equations, the laws of thermodynamics, ideal gas, reversibility and irreversibility, and entropy. An introduction to the kinetic theory of gases and statistical mechanics. Prerequisites: PHY 112, 113, M 144, M 145, and CH 110.

PHY 214 Calculus-Based Physics III [4] This is the third part of the three-semester sequence described in PHY 112 and PHY 113. The subject matter is the study of electricity and magnetism. Prerequisites: PHY 112 and M 240 (may be taken concurrently). Laboratory fee.

PHY 240 Special Theory of Relativity [3] Concentrates on the development and applications of the Special Theory of Relativity. Emphasis on the inadequacies of the Newtonian Theory and on the innovations in concepts presented by the new theory. Topics will include Einstein-Lorentz transformations, time dilation, length contraction, the variation of mass with velocity, and the addition of velocities. Prerequisites: PHY 112-113 or PHY 120-121.

PHY 250 Materials Science [3] An introductory course in materials science for engineering and physical science students. The mechanical, electrical, magnetic, thermal, and chemical properties of all types of materials: metals, ceramics, polymers, glasses, and composites. Why and how the properties of these materials can be altered by adjusting the internal structure. Prerequisites: PHY 112-113, M 144, 145, and CH 110.

PHY 260 Optics [4] This is a course in modern optics. There will be a review of geometric optics with an emphasis on image-forming devices, such as the telescope and the microscope. Most of the emphasis of the course will be on physical optics. Topics that include coherence, interference, Fraunhofer and Fresnel diffraction, and application, such as lasers and holography, will be covered. Prerequisites: PHY 113-114 and M 240. Laboratory fee.

PHY 310 Modern Physics I [3] This course is an introduction to the physics of the atom and of the nucleus. Emphasis will be placed on the experimental bases of the quantum theory and of nuclear physics (e.g., blackbody radiation, photoelectric effect, and Rutherford scattering). Quantum mechanics will be introduced through the one-dimensional Schroedinger Equation. Radioactivity and nuclear reactions will also be discussed. Prerequisites: PHY 112-113-114 or permission of instructor.


PHY 430 Modern Physics Laboratory [3] A laboratory course involving experiments and measurement illustrating the quantum theory. Two laboratory periods per week. Prerequisite: PHY 310. Laboratory fee.


PHY 480, 481 Independent Study in Physics [1–3, 1–3] Provides an opportunity for the student to carry through a project extending over one or two semesters under the direction of a member of the department. Projects are selected by the student and may include areas such as theoretical physics, experimental physics, topical reviews in physics, and topics in the history of science. Emphasis is placed on individual study of the literature and, when appropriate, laboratory work. Prerequisites: Advanced standing. The signature of the department chairman is required to register for these courses. Laboratory fee.
PHY 190, 191, 290, 291, 390, 391, 490, 491
Special Topics in Physics [1–4] These are lecture or laboratory courses in various branches of physics designed to provide in-depth investigation in some special area of physics. Prerequisite: Permission of instructor. Laboratory fee.

Political Economy Joint Major

Interdepartmental Committee
Professor Giannaros (Economics)
Associate Professors Clancy (Politics and Government); Eichar (Sociology);
Horvath, Director (Economics);
Rassekh (Economics)
Assistant Professor James (Economics)

Undergraduate Major Program (B.A.)
The Department of Politics and Government, in conjunction with the departments of Economics, Finance, and Insurance; History; and Sociology, offers an interdisciplinary major in political economy.

The undergraduate major in political economy exposes students to political and economic philosophies and to the consequences of specific public policies, and combines political and economic inquiries and approaches into a cohesive interdisciplinary program.

The discipline of political economy has a distinguished past. Such giants as Adam Smith, John Stuart Mill, and Karl Marx are counted in its ranks. Economics and political science then became separate disciplines, with strong intellectual traditions. There is now an international trend to reunite them. The University of Hartford anticipated that trend by establishing an undergraduate major in political economy in 1981.

The interdisciplinary major in political economy concentrates on the relationship between politics and economics as it has developed historically and as it manifests itself in today’s world. Beyond the intellectual stimulation of recognizing and seeking resolution of social problems, students of political economy learn the value of shifting the focus from one discipline to another in order to make, analyze, and evaluate policy.

Employers as well as graduate and professional schools recognize that the rapidly changing social environment places a premium on breadth of intellectual training and flexibility. Thus political economy, like liberal arts in general, prepares the student for the second and third job, not just the first. Furthermore, the relationship between politics and economics, referred to above, is manifested in new jobs such as country risk analysts at commercial banks. More generally, a degree in political economy may prepare the student for a career in business (including transnational corporations), government (including international agencies), teaching, and law, and for graduate work as appropriate for any of these pursuits. In short, scholars in the field of political economy feel justified in saying that it is an idea whose time has come—again.

Political economy majors and minors should plan to fulfill their Arts and Sciences general education requirements early. Since political economy is by its very nature an interdisciplinary field, students majoring or minoring in it are encouraged to take courses in the interdisciplinary All-University Curriculum beyond the required minimum. Planning a course of study with so many variables requires close consultation with the program coordinator or other advisor.

Requirements for the Major
Required credits: 39
Required Courses
EC 110 Principles of Macroeconomics
EC 211 Principles of Microeconomics
POL 100 American Government*
POL 105 Politics
HIS 100 Civilization since 1500*
EC 316 The Economics of Public Policy
EC 330 History of Economic Thought
POL 240W Democratic Theory and Its Challengers
POL 313 American Public Policy

Elective Areas
In addition to the required courses, students are expected to complete 12 credits of upper-division work from the following areas, 6 of which must come from each discipline.

Politics and Government
POL 220 Comparative Politics (if selected, a scholarly paper will be assigned in addition to the usual course work)
POL 222 Politics of the Third World (if selected, a scholarly paper will be assigned in addition to the usual course work)
POL 230 International Relations (if selected, a scholarly paper will be assigned in addition to the usual course work) or POL 330
POL 321 Political Change

*These two courses are normally taken by all students in Arts and Sciences as part of the general education requirements.
POL 330 American Foreign Policy  
or POL 230  
POL 340 Political Theory: Ancient and Medieval  
POL 341 Early-Modern Political Theory  
POL 450 Constitutional Law  

Economics  
EC 311 Intermediate Macroeconomic Analysis  
or EC 324  
EC 312 Managerial Economics  
EC 324 Money, Banking, and Financial Markets  
or EC 311  
EC 334 Comparative Economic Systems  
EC 344/HIS 320 Advent of Industrialization in the Western World  
EC 346/HIS 331 Industrialization in the Non-Western World  
EC 354 Economic Growth and Development  
EC 370 Labor Economics  
EC 450 International Economics  
EC 470 Industrial Organization and Antitrust Policy  

Total credits for the major: 39  

In addition, SOC 360 Social Inequality is recommended for all majors. All courses required for the major must be taken for a letter grade and may not be taken on a Pass/No Pass basis.

Requirements for the Minor  
Required Courses  
EC 110 Principles of Macroeconomics  
EC 211 Principles of Microeconomics  
POL 100 American Government  
POL 105 Politics  

Electives  
At least 12 credits of upper-division work, 6 of which should be in economics and 6 in politics and government. Courses should be selected from those listed in electives under the major in political economy.

Politics and Government  
Professors: Breit (emeritus), Markham (emeritus), Sandström (emeritus)  
Associate Professors: Aliotta, Clancy (Chair), Colarulli  
Assistant Professors: Anderson, Ayyangar, Owens  

Undergraduate Major Program (B.A.)  
The undergraduate major in politics and government is the study of policy, government, and law. Its object is understanding of the processes by which power, authority, influence, control, freedom, wealth, and other political resources are competitively pursued, captured, and distributed; the conversion of these political resources into public policies; the institutionalization of these policies into government; and the authoritative statement, administration, and enforcement of policies by government as law. The balance struck by any political system, between the distribution of sacrifices or costs it exacts and its distribution of benefits, affords a basis for evaluating the legitimacy or justice of its policies.

Politics is the competitive pursuit of scarce social values in the public, as opposed to the private, sector. Government emphasizes the common interests of a citizenry and the means for solving collective problems through formal decision-making institutions.

From ancient Athens to the present, politics and government has been taught to kings and princes to enable them to rule others. It has been taught to free citizens to enable them to govern themselves. It is, therefore, one of the oldest keys to understanding the alternatives of human subjugation or freedom and, as such, is essential to truly liberal (liberating) education.

Political scientists ask not only “what is” but also “what ought to be.” Combining considerations of fact and values, the study of politics and government is thus valuable as a training in citizenship, indispensable as a training for government. It also prepares for careers in teaching, politics, journalism, law, and in the representation of public or private interest at all levels of policy making.

The curriculum of politics and government at the University of Hartford is organized into five areas:

Area 1: American Politics and Government  
Area 2: Comparative Politics and Government  
Area 3: International Politics  
Area 4: Political Theory  
Area 5: Law and Politics  

Requirements for the Major  
Required credits: 37  

Required Courses  
POL 110 Power and Politics in America, POL 120 Comparative Politics, or POL 130 International Relations  

POL 400W Politics  

POL 201 Conduct of Political Inquiry  

Elected Areas (24 credits)  
Distributed as follows:  
1. Area distribution: A course in at least four of the five POL areas
2. Level distribution: At least 15 POL credits at the 300 or 400 level

Note: The same course may count toward both the area and the level distributions.

All courses required for the major must be taken for a letter grade and may not be taken on a Pass/No Pass basis, with the exception of up to 3 credits earned for Politics and Government department internship.

Recommendations for majors:
1. POL 100 and POL 200W should be taken in the first or second year.
2. POL 201 should be taken in the second year.
3. The general education mathematics requirement should be fulfilled with M 114 Everyday Statistics.

Requirements for the Minor
Required credits: 18

Required Courses
POL 110 Power and Politics in America
or POL 120 Comparative Politics
or POL 130 International Relations

POL 200W Politics [3] An introduction to the basic concepts and methods of studying politics. Students are introduced to the broad study of politics by focusing on four areas: power, conflict, justice, and institutions, investigating them through a variety of approaches at the international, national, and local levels. (Writing-intensive course)

POL 201 Conduct of Political Inquiry [4] Survey and study of the problems, pursuits, and methods of contemporary political science. Investigation of the content, nature, method, and significance of political science as a field of inquiry. Prerequisite: POL 200W or permission of instructor. M 114 recommended.

POL 400 Capstone Seminar [3] A senior seminar that encourages students to integrate the concepts learned over the course of their major. The focus varies from year to year. The seminar requires a substantive research project. Prerequisites: Senior standing and a major in politics and government, political economy, or international studies; or permission of instructor.

Area One: American Politics and Government

POL 210/AFS 210 Urban Politics [3] Examination of the political process of the contemporary American city from precinct to city council and city hall. Considers such topics as the social and economic characteristics of urban population and leadership; economic and ethnic groups, and conflicts; and the interplay of interest groups, political parties, and government in response to problems of contemporary urban life.

POL 213/AFS 213 Race, Ethnicity, and Politics [3] This course explores the politics of race in the United States. Special emphasis is placed on the relations between African Americans, Latinos and Latinas, and European Americans. Students discuss the meaning of race and racism; the history and consequences of racial inequality; and different strategies to seek redress for racial inequality.

POL 310/CMM 310 Political Communication [3] Analysis of the contemporary political campaign as an epiphenomenon of modern mass media. Exploration of methods of public opinion measurement, techniques employed to mobilize or modify attitudes and the links between attitude and the act of voting. Democratic theory assumes informed consent, freely given. This course examines the engineering of consent. Prerequisite: POL 110 or POL 200W or CMM 110, or permission of instructor.
POL 311 Parties, Interest Groups, and the Democratic Process [3] The activities, organization, techniques, and significance of political parties and interest groups. Political parties and interest groups, in similar but distinct ways, serve as vital channels linking the American people and their government. The course emphasizes the impact of parties and interest groups in the context of the American democratic process. Depending on the instructor, the focus, as between interest groups and political parties, varies from year to year, but emphasis on the importance of organized groups in democratic theory is constant. Prerequisites: POL 110 or permission of instructor.

POL 312 Campaigns, Elections, and Voting [3] This course is an introduction to the theory and practice of campaigns and elections. Factors that contribute to voters' decisions are analyzed. Campaigns and elections at federal, state, and local levels are examined. When circumstances permit, students are encouraged to take an active part in ongoing political campaigns. Their campaign work is expected to be an integral part of their learning experience; real-world validation of academic theory. Prerequisite: POL 110, sophomore standing, or permission of instructor. POL 200W recommended.

POL 313 American Public Policy [3] An in-depth discussion of American public policy formation, implementation, and evaluation. Special emphasis is given to the political process that surrounds policy formation. Health, housing, poverty, and education policies are among those surveyed. Prerequisite: POL 110 or permission of instructor.

POL 314 Congress and the Presidency [3] Examination of the United States Congress and the United States presidency as political institutions. Topics include legislative process, the committee system, the role of interest groups, the growth of the executive power and authority, the bureaucratic establishment, and executive-legislative relations. Prerequisite: POL 110 or permission of instructor.

POL 317/GS 317 Gender, Power, and Politics [3] Explores politics as a gendered activity. The course examines how gender affects opportunities for political participation as well as our evaluations of political actors. The course focuses on gender and politics in the United States; however, comparative material is included where appropriate. Prerequisite: POL 110, or POL 200W, or GS 100; or permission of instructor.

POL 419 Seminar in American Politics and Government [3] Examination of selected topics in American politics, government, law, depending on the interests of the instructor and class. Major emphasis is on independent research in seminar papers. Prerequisites: Junior or senior standing and a previous course from the American Politics and Government area, or permission of instructor.

Area Two: Comparative Politics and Government

POL 120 Comparative Politics [3] Introduces to the tools, major approaches, and goals of comparative political analysis. Consideration of value orientations and biases, and survey of issues of comparative politics, including development (or change), violence, stability, integration.

POL 222/AFS 242 Politics of the Third World [3] An interdisciplinary examination of the colonial origins, Cold War/post–Cold War context for emergence as independent states, and contemporary political issues in the two-thirds of the world we call the Third World. Emphasis on the meaning of development and obstacles to attaining it. Consideration also of internal colonialism, or “the Third World in our backyard,” such as Native Americans, slaves, and immigrants from the Third World living in developed countries. Prerequisite: Any 100-level POL course or permission of instructor.

POL 321 Political Change [3] Theories of development and underdevelopment in the so-called Third World of former colonies. Emphasis on relationships among political and socioeconomic factors and on the interplay between domestic political structures and external factors, such as investment, aid, and globalization. Prerequisite: Any 100-level POL course or permission of instructor.

POL 322 Politics and Government of Russia [3] This course examines the political development of modern Russia as it emerges from the ashes of the Soviet Union. Among the topics covered are leadership struggles, social problems, and Russia’s attempt to find its place in the international system. Prerequisite: Any 100-level POL course or permission of instructor.
POL 323/AFS 323 Caribbean Politics [3]  Analysis of contemporary Caribbean politics. Focus on problems of decolonization, race, and class against the historical backdrop of colonialism and slavery. Prerequisite: Any 100-level POL course or permission of instructor.

POL 324 European Comparative Politics and Government [3]  As the European Union continues to develop and expand, this course examines European politics on both the Union and state levels. On the Union level, the course focuses not only on the institutions and processes of the Union but also on the problems that could possibly impede the further development of the Union. On the state level, the course focuses on comparative analysis of the constitutional principles and political processes of a variety of countries, most commonly including the United Kingdom, France, and Germany. Prerequisite: Any 100-level POL course or permission of instructor.

POL 421 Political Violence [3]  Survey of politically related domestic violence and an examination of theories seeking to explain political violence, with emphasis on revolution, ethnopoltical violence, and terrorism. Prerequisites: Junior or senior standing and any 100-level POL course, or permission of instructor.

POL 429 Seminar in Comparative Politics and Government [3]  Presentation of interpretive and analytic student papers, with emphasis on independent research. Topics include constitutionalism, electoral systems, parties, the executive, interest groups, authoritarian government, change, stability, development, modernization. Prerequisites: POL 120 required, POL 200W recommended, or permission of instructor.

Area Three: International Politics

POL 130 International Relations [3]  This course is a broad introduction and overview to international politics. It provides students with tools for analyzing actors, structures, and processes in international relations while investigating a wide range of issues in contemporary world politics—power, armed conflict, political economy, development, and the global environment.

POL 231 Global Political Economy [3]  This course provides a broad introduction to international political economy, one of the primary areas of study within international relations. It investigates the political foundations of international economic relations; that is, it is not an economics course but rather a politics course that examines how and why international economic relations are political. Topics include the architecture of the global economy, trade, investment, global financial relations, poverty, inequality, and development. Prerequisite: Any 100-level POL course or permission of instructor.


POL 331 International Organizations and Law [3]  Public and private institutions and processes for international cooperation in such fields as security, economics, health, social welfare, global and regional organizations. Also studied are the nature and functions of rules, standards, and principles by which states have agreed to govern their relations; arbitration, adjudication; international law in peace and war. Prerequisite: Any 100-level POL course. POL 200W recommended.

POL 332W Politics of War [3]  Investigates general causes and effects of war. Examines such topics as children and war, the impact of weapons of mass destruction, and new forms of warfare. Includes analysis of ancient conflicts through Vietnam and both Gulf Wars. Prerequisites: Any 100-level POL course. POL 200W recommended. (Writing-intensive course)

POL 439 Seminar in International Relations [3]  Presentation of interpretive and analytic student papers on topics of international relations, including nationalism, intervention, war, international law, and organization. Prerequisites: Any 100-level course. POL 200W recommended.

Area Four: Political Theory

POL 240 Democratic Theory and Its Challengers [3]  An examination of the problems of defining a democratic political system, with special emphasis on how different modes of organizing economic life influence the prospects for such a system. Readings are both historical and contemporary, covering thinkers as diverse as Karl Marx and Milton Friedman. This course satisfies a writing-intensive requirement when listed as POL 240W. Prerequisite: Any 100-level POL or PHI course, or permission of instructor. (Writing-intensive course)
POL 340 Political Theory: Ancient and Medieval [3] Examination of ancient and medieval political theorists who helped shape the Western tradition of political discourse about such topics as human nature, justice, natural law, and the origin and purpose of the state. This course satisfies a writing-intensive requirement when listed as POL 340W. Prerequisite: Sophomore or higher standing or permission of instructor.

POL 341 Early-Modern Political Theory [3] Examination of political theorists of the early-modern era whose ideas have directly influenced our contemporary notions of freedom, equality, consent, community, property, and history. Readings from, among others, Machiavelli, Hobbes, Locke, Rousseau, Marx, and Nietzsche. This course satisfies a writing-intensive requirement when listed as POL 341W. Prerequisite: Sophomore or higher standing or permission of instructor.

POL 342 American Political Thought [3] Examination of American thinking about the nature of politics from the colonial era to the present day. The course explores the theoretical underpinnings of the Constitution, the development of democratic ideas, and distinctive American responses to race and gender differences. This course satisfies a writing-intensive requirement when listed as POL 342W. Prerequisite: Sophomore or higher standing or permission of instructor.

POL 343 Late-Modern Political Theory [3] Examination of political theories since 1900, including liberal, postmodern, feminist, libertarian, communitarian, and conservative thought. Readings from, among others, Freud, Schmitt, Camus, and Fanon. This course satisfies a writing-intensive requirement when listed as POL 343W. Prerequisite: Sophomore or higher standing or permission of instructor.

POL 449 Seminar in Political Theory [3] Presentation of interpretive and analytic student papers on topics in political theory. Topics selected according to the interest of the instructor and class. Prerequisites: Junior or senior standing, and either a previous course from political theory area or PHI 210; or permission of instructor.

Area Five: Law and Politics

POL 250 Law and the Justice System [3] An examination of law as a political and social force. The course emphasizes description and evaluation of contemporary American legal institutions and processes, although comparisons with the legal systems of other countries are provided where appropriate. An effort is also made to compare the formal and procedural ideals of the U.S. judicial system with its actual operation. Prerequisite: POL 110, or POL 200W, or SOC 170; or permission of instructor.

POL 351 Criminal Law and Procedure [3] An overview of contemporary criminal law in the United States, including the common-law roots of the U.S. justice system and constitutional controversies concerning criminal procedure. Prerequisites: POL 110 or POL 200W or SOC 170; or permission of instructor. POL 250 recommended.

POL 353W/GS 353W Gender, Law, and Policy [3] This course explores gender discrimination in American law. It examines how law has defined and continues to define appropriate behavior for women and men. Although the course emphasizes recent legal developments, it also considers major historical developments and the role of law as an agent of social change. Prerequisites: POL 100; and POL 105, GS 100, LAH 201, or SOC 170; or permission of instructor. (Writing-intensive course)

POL 450 Constitutional Law [3] Introduction to legal reasoning and an overview of the constitutional principles that underlie the United States political system. Prerequisites: Junior or senior standing, POL 110, POL 200W, or SOC 170; or permission of instructor. POL 250 recommended.

POL 451 Civil Rights and Liberties [3] A judicial case study of the nature and extent of individual freedoms, rights, and immunities in the United States, especially as protected by the Bill of Rights of the Constitution. Topics vary. Prerequisites: Junior or senior standing, and POL 110 or POL 200W or SOC 170; or permission of instructor. POL 250 recommended.

POL 452 Jurisprudence [3] The nature of law, legislation, and the judicial process as illuminated by legal philosophers and theorists, whose original works are read comparatively. More specific focus is applied to such concepts as tort, crime, property, and contract. Prerequisites: Junior or senior standing and POL 110, or either POL 200W or SOC 170; or permission of instructor. POL 250 recommended.

POL 453W/SOC 473W Crime, Law, and the Administration of Justice [3] This writing interdisciplinary seminar focuses on major issues of current interest in criminal justice. It examines selected topics from administrative, governmental, and sociological points of view. The
course relates theory and research to the practical problems of applying knowledge in criminal justice through written assignments based on the writing-intensive course model in the college. Prerequisites: Senior standing and 9 credits of courses required for criminal justice, or permission of instructor.

**POL 459 Seminar in Law and Politics** [3]
In-depth examination of selected topics in law and politics. Major emphasis is on independent research in seminar papers. Prerequisites: Junior or senior standing and a previous course from the law and politics area, or permission of instructor.

**Special Courses**

**POL 170 Contemporary Political Controversies** [3] Systematic political science analysis of one or more particular political controversies. The complex ingredients of contemporary problems are explored using a variety of theoretical perspectives from within political science.

**POL 270 Strategies for Active Citizenship** [3] Political change occurs when people work together to organize, advocate, and create solutions to social and political problems. This course examines past and present social and political reform efforts that have resulted in significant policy change with a focus on understanding the strategies and tactics for effectively organizing political groups and influencing decision makers.

**POL 279/HIS 229/JS 229 The Holocaust** [3] Interdisciplinary lectures, readings, and discussions of the roots, details, and consequences of the Holocaust. Historical, intellectual, moral, political, legal, and psychological dimensions of the Holocaust are explored using a variety of theoretical perspectives from within political science.

**POL 290, 291, 390, 391, 490, 491, 590, 591 Special Topics in Politics and Government** [all 3] Topics vary by semester to semester in accordance with timeliness, the needs of the students, and class work for both courses. Special Topics courses should be completed during the spring or summer following the return to the United States. This course is linked to an integrated companion course, Archaeological Field Methods and Material Culture. All students complete field- and class work for both courses.

**POL 377/HIS 307/JS 307/SOC 307 Archaeological Field Methods and Material Culture** [3] This course is an introduction to excavation techniques and material culture. It includes principles of excavation and recording, material culture identification/processing, and field-study tours. Early synagogues and church architecture serve as foci for analysis. This course contains a full introduction to the methodology of Near Eastern archaeology from the Bronze Age to the Iron Age, practical instruction in ceramic typology and Semitic inscriptions, and a survey of Hellenistic, Roman, and Byzantine societies. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. This course is linked to an integrated companion course, Archaeology of the Land of Israel. All students complete field- and class work for both courses.

**POL 381, 382, 481, 482 Student Internship in Politics and Government** [1–3, 1–3, 1–3, 1–3] Academically supervised internships for qualified juniors and seniors in politics and government. Among the agencies in which such work may take place are courts, police departments, probation departments, legal assistance, consumer protection, environmental protection, the governor’s office, human rights commissions, and the legislature. Students may propose other internships. Prerequisites: GPA of 2.5, junior or senior status, POL 200W, and permission of a faculty supervisor; or permission of department chair.

**POL 383, 483 Independent Studies in Politics and Government** [3, 3] Research projects in areas of politics and government of particular interest to a student, guided and directed by a member of the faculty, customarily leading to a scholarly composition by the student. Prerequisites: POL 200W, a GPA of at least 3.0 in the major, junior or senior standing, and permission of sponsoring faculty member.
POL 392/IS 392 Special Topics: International Studies [3] Study of current international events, developments, and trends. Viewed from global, comparative, and multidisciplinary perspectives, topics include ethnicity and cultural diversity, art, music, literature, theater, cinema, religion, and political and economic events. Prerequisites vary by topic.

POL 474/SOC 424 Political Sociology [3] A sociological examination of power and politics. Particular emphasis is placed on the relationships between the state, economy, and civil society. Topics include the development of the modern state, the impact of globalization on welfare state policies, civic and political participation, and ethnic and racial politics. Prerequisites: SOC 110 or POL 110 or POL 200W, and at least junior-level status.

Psychology

Professors Crespi, Friedlander (emeritus), Kahn (emeritus), Komisar (emeritus), Mathews (emeritus), Powell, Singer (emeritus), Wahl, Wallace (emeritus)

Associate Professors Black (Chair), Brayer (emeritus), Christensen (Director, Master’s Program in General Psychology, and Director, All-University Curriculum), Leve (Director, Master’s Program in Clinical Practices), Matacin (Director, Undergraduate Program), McCloskey, Milling (Associate Director, Master’s Program in Clinical Practices), Politikos (Director, Master’s Program in School Psychology), Schloss (emeritus)

Assistant Professors Capodilupo, Clark (Director, Master’s Program in Organizational Psychology), Dale, DiCello (Associate Director, Graduate Institute of Professional Psychology), LaFramboise, Neace, Nicklin,Pidano, Weiss

Administrative Faculty Mehm (Director, Graduate Institute of Professional Psychology)

Affiliate Faculty Dell, Fagbemi, Marino, Schroeder, Stillson

Undergraduate Major Program (B.A.)

Psychology is the scientific study of behavior and mental processes. An undergraduate specialization in this liberal arts field is, therefore, useful for students who plan careers in business, industry, education, health services, personnel work, or in any of the various fields involving human relations. To become a professional psychologist, graduate training is necessary after completing the undergraduate major.

Requirements for the Major

Required credits: 36

In addition to the six core courses (18 credits), students must complete at least two courses within Biological and Learning Perspectives (6 credits), two courses within Social and Applied Perspectives (6 credits), and two additional psychology courses (6 credits).

Core Courses (18 credits)

PSY 101 Introductory Psychology: Concepts
PSY 102 Introductory Psychology: Applications
*PSY 270W Research Methods and Statistical Analysis I
*PSY 372 Research Methods and Statistical Analysis II
*PSY 470W Research Methods and Statistical Analysis III
PSY 405 History and Systems

Two courses within Biological and Learning Perspectives (6 credits)

PSY 210 Physiological Psychology
PSY 222 Principles of Learning, Conditioning, and Behavior
PSY 311 Brain and Behavior
PSY 320 Thinking, Memory, and Problem Solving
PSY 323W Health Psychology
PSY 425 Motivation and Emotion

Two courses within Social and Applied Perspectives (6 credits)

PSY 205 Career Development
PSY 240 Infant and Child Development
PSY 242 Adolescent and Emerging Adult Development
PSY 244 Early, Middle, and Late Adult Development
PSY 245 Psychological Aspects of Parenting
PSY 247 Psychological Aspects of Death and Dying
PSY 248 Psychology of Gender
PSY 252 Social Psychology
PSY 253 Psychology Applied to the Workplace
PSY 255 Personality Psychology
PSY 257 Multicultural Issues in Psychology
PSY 258 Human Sexual Behavior
PSY 260 Psychology of Adjustment
PSY 261 Stress and Stress Management
PSY 262 Abnormal Psychology
PSY 265 Sports Psychology
PSY 367 Theories of Psychotherapy

*These courses must be taken in the sequence listed. Students must earn a C– or above in PSY 270W to enroll in PSY 372 and a C– or above in PSY 372 to enroll in PSY 470W.
PSY 465 Clinical and Counseling Psychology

_and any two additional psychology courses (6 credits)_

The two additional psychology courses may be completed from Biological/Learning Perspectives, from Social and Applied Perspectives, or from the courses described below. Only one of the experientially based courses may be applied toward the major. Additional experientially based courses may be taken for elective credit. These include Student Internship (PSY 384, 385, 484, 485), Independent Study (PSY 489), and Honors Thesis (PSY 488).

Transfer students must meet department core requirements for the major and must take a minimum of 15 credits above PSY 101 and 102 in the Department of Psychology at the University of Hartford.

PSY 132, 232, 332, and 333 will not fulfill a requirement for the psychology major.

Transfer students must meet department core requirements for the minor and must take a minimum of 6 credits above PSY 101 and 102 in the Department of Psychology at the University of Hartford.

Psychology minors must have a GPA of 2.25 in the psychology courses presented for the minor. In addition, psychology minors must earn a C– or above in PSY 270W.

**Writing Requirement**

Departmental policy requires that each student in each upper-level course complete a substantial body of written work (approximately 2,500 words) as part of the course requirements. Please note that a number of courses in the psychology department are now permanently identified as writing-intensive courses. A W appears after the course number to indicate that it serves as a writing-intensive course.

**Internships**

The department encourages students to explore internships and/or work co-op programs because these field experiences broaden and enhance the knowledge learned in formal psychology classes. Undergraduates who have completed their sophomore year, have taken five psychology courses above the introductory level, and whose GPA is 2.5 or higher, both overall and in psychology, are eligible for these placements.

For additional information, please contact the department’s coordinator of academic services.

**Psychology Honors Program**

The undergraduate Honors program provides students of proven academic superiority further opportunities to explore topics in depth under the careful supervision of a member of the faculty. This program, which is outlined below, acquaints students with current literature on a special topic of interest, further develops their research and writing capabilities in the field of psychology, and prepares them to undertake an honors thesis.

In addition to completing the requirements for a major in psychology, Honors program students must graduate with an overall GPA of 3.0 and a GPA of 3.0 in psychology and must complete the following:

1. PSY 384 Student Internship or PSY 489
2. Psychology Independent Study
2. PSY 487 Honors Seminar
3. PSY 488 Honors Thesis*

The program is a valuable prelude toward graduate study in psychology, and undergraduates planning to attend graduate school who meet the Honors program admission requirements are strongly encouraged to apply.

**Honors Program Admission Requirements**

The Psychology Honors program is limited to superior students. Applicants must

1. be juniors or first-semester senior psychology majors;
2. have completed at least 15 credits in psychology (including PSY 270W and PSY 372), with an overall GPA of 3.0 and a GPA of 3.0 in psychology; PSY 372 may be taken concurrently with the Honors Seminar; and
3. have the recommendation of a faculty member of the department and the approval of the department chair.

*Students who pursue both psychology honors and University honors must complete PSY 487 Honors Seminar, HON 493 Thesis Research, and HON 494 Honors Thesis.

**Course Descriptions**

All courses other than Introductory Psychology require at least PSY 101 or 102 as a prerequisite. Nonmajors should elect whichever introductory course best meets their personal interest. Majors should take PSY 101 before PSY 102.

**PSY 101 Introductory Psychology: Concepts**

[3] This course focuses on the basic concepts and methods of psychology. Topics include history; methodology; biological bases of behavior; child, adolescent, and adult development; sensation and perception; states of consciousness; learning, memory, and cognition. *(Please note that it is a requirement in PSY 101 that all students participate as a subject in at least one experiment within the department during the semester or discuss with the course instructor an appropriate alternative.)*

**PSY 102 Introductory Psychology: Applications**

[3] This course focuses on the applications of psychology. Topics include intelligence, motivation, emotion, personality, abnormal behavior, psychotherapy, health, and psychology applied to the workplace and society. *(Please note that it is a requirement in PSY 102 that all students participate as a subject in at least one experiment within the department during the semester or discuss with the course instructor an appropriate alternative.)*

**PSY 132/EDP 132 Human Development**

[3] Theories and research in human development from infancy through adulthood. Students carry out structured observations and integrate these observations with various theoretical issues. *(Please note that this course does not fulfill a requirement for the psychology major or minor.)*

**PSY 205 Career Development**

[3] This course examines the theoretical and empirical issues related to personal satisfaction in the choice of work and career. Topics include developmental models of behavior; goal setting and the planning process; the assessment of values, interest, abilities, and personality characteristics; job analysis and job description; decision making; the development of self-esteem; and marketing yourself. Emphasis is divided approximately equally between scholarly work and experiential activities. Prerequisite: PSY 101 or 102. Laboratory fee.

**PSY 210/BIO 210 Physiological Psychology**

[3] This course is an introduction to the physiological bases of behavior in normal psychological functioning. Topics include neuron structure and function, functional neuroanatomy, drugs and behavior, and the physiology of hunger, sex, sleep, emotion, reward/punishment, language, and learning and memory. Prerequisites: PSY 101 or 102, and BIO 110 or 111.

**PSY 222 Principles of Learning, Conditioning, and Behavior**

[3] Theories of learning focus on how and why behavior changes because of experience. The goal of this course is to present students with an introduction to basic theories and principles of learning with applications in the fields of business, parenting, education, and psychotherapy. Topics include Pavlovian procedures, reinforcement, vicarious learning, and extinction of behaviors. The focus of the course is on the role of learning in the adaptation of beings to a changing environment. Prerequisite: PSY 101 or 102.

**PSY 232/EDH 232 Mental Retardation: Concepts and Theories**

[3] The study of the meaning and concepts associated with the field of mental retardation. Includes the historical, social, developmental, theoretical, and educational aspects of mental retardation. Prerequisite: Permission of instructor. *(Please note that this course does not fulfill a requirement for the psychology major or minor.)*

**PSY 240 Infant and Child Development**

[3] Child growth and behavior from the prenatal period to puberty are studied. Effects of heredity
and environment on the motor, language, social, and emotional development of children. Emphasis on the concept of developing self and its effects on behavior. Prerequisite: PSY 101 or 102.

**PSY 242 Adolescent and Emerging Adult Development** [3] This course focuses on the individual during the period of transition from childhood to adulthood. Includes physical changes, mental growth, changes in emotional reaction, personality development, and the changing nature of social relationships. Prerequisite: PSY 101 or 102.

**PSY 244 Early, Middle, and Late Adult Development** [3] This course studies the psychological development of adults, including, but not limited to, individual development from both physical and psychological perspectives, personal adjustment, and psychological changes that occur throughout adulthood. Prerequisite: PSY 101 or 102.

**PSY 245 Psychological Aspects of Parenting** [3] This course focuses on psychological techniques applicable to parenting. A problemsolving and problem-preventing approach are emphasized. Some of the topics covered under this general approach include discipline, sex education, behavior modification techniques, parenting styles, sibling relationships, alcohol and drug education, parenting special needs children, and building self-esteem in children. Prerequisite: PSY 101 or 102.

**PSY 247 Psychological Aspects of Death and Dying** [3] Coming to terms with death is the supreme psychological challenge individuals must face in their personal lives and in the interrelationships within families. This course examines ways in which individuals deal with death and with its consequences of grief and mourning. Subjects include the “normal” deaths of old age and the special problems of coping with death in the young due to accidents, illnesses, and the modern crisis of AIDS. Prerequisite: PSY 101 or 102.

**PSY 248/GS 248 Psychology of Gender** [3] Analysis of the roles of physiological, psychological, and social factors in the definition of gender- and sex role–related behaviors. Representative theories and research into sex differences and similarities are reviewed. The concepts of masculinity, femininity, and androgyny in today’s rapidly changing society are discussed. Prerequisite: PSY 101 or 102.

**PSY 252 Social Psychology** [3] The social and cultural factors affecting human behavior, with particular emphasis on their effects on motivation, personality, attitudes, and opinions. Social interaction processes, including group dynamics, are also studied. Prerequisite: PSY 101 or 102.

**PSY 253 Psychology Applied to the Workplace** [3] The application of the scientific method to human problems in the workplace. Major areas of emphasis include motivation, job satisfaction, selection, training, evaluation, equipment design, and consumer behavior. Prerequisite: PSY 101 or 102.

**PSY 255 Personality Psychology** [3] Overview of the major theoretical and empirical research in personality and individual differences. Topics include the development and determinants of personality; the consistency of behaviors across situations and over time; the concepts of the self and the unconscious; and psychoanalytic, humanistic, trait, existential, behavioral, and social learning perspectives. Prerequisite: PSY 101 or 102.

**PSY 257 Multicultural Issues in Psychology** [3] A psychological analysis of the impact of multiculturalism on the development of the individual and the implications on personal adjustment and growth. Topics include ethnic and gender issues as well as other multicultural issues. The course is structured to permit open discussion and critical reflection grounded on personal experience and scholarly readings. Emphasis is placed on clinical practice in multicultural settings, diversity in the workplace, and multiculturalism and education. Prerequisite: PSY 101 or 102.

**PSY 258/GS 258 Human Sexual Behavior** [3] This course emphasizes the intrapersonal, interpersonal, and societal aspects of human sexual behavior. Topics include, but are not limited to, the development of sex roles, sexuality across the age span, sexual attitudes, sexual arousal and dysfunction, variations of sexual orientation, legal and economic issues, and research methods. Prerequisite: PSY 101 or 102.

**PSY 260 Psychology of Adjustment** [3] The human adjustment process. Elements in normal personality development are examined. Reactions to the typical stresses and frustrations in normal living situations are studied with a view toward understanding effective adjustments as well as defensive behavior. Prerequisite: PSY 101 or 102.
PSY 261 Stress and Stress Management [3] This course examines stress in contemporary society and the relationship between stress and well-being. It focuses on how persons respond to stress and the effect of long-term stress, situations and attitudes that lead to stress, and strategies for reducing stress in daily life. Prerequisite: PSY 101 or 102.

PSY 262 Abnormal Psychology [3] The study of a wide variety of psychological and related disorders, including psychoses, neurologically based disorders, adjustment, and anxiety-based problems. These are examined from various perspectives, such as psychodynamic, behavioral, humanistic, and neurological. Prerequisite: PSY 101 or 102.

PSY 265 Sports Psychology [3] Sports psychology, defined as the application of psychological principles to athletic endeavors, focuses on improving athletic performance, maintaining athletes’ mental health in the stress of competition, establishing communication within the athletics system, developing effective coaching behavior, and optimizing team performance. Prerequisite: PSY 101 or 102.

PSY 270W Research Methods and Statistical Analysis I [3] An introduction to the research process in psychology. This course deals with the topics of research methodology, data collection, descriptive and basic inferential statistics, and report writing. Students learn to use a computer statistical package as part of the course requirements. (Writing-intensive course) Prerequisite: PSY 101 or 102. Laboratory fee.

PSY 290-295 Special Topics in Psychology [all 3] Selected topics in psychology, varying from year to year in accordance with the needs of the curriculum and the availability of specialists in such topics. Prerequisite: PSY 101 or 102.

PSY 311 Brain and Behavior [3] An introduction to the field of biopsychology with emphasis on the relationship of this specialty to all areas of psychological research. Topics include brain structure and function, techniques for studying brain/behavior, sensory and motor mechanisms, motivation, sleep, and biological bases of psychopathology. Prerequisites: One 200-level PSY course and BIO 110 or 111.

PSY 320 Thinking, Memory, and Problem Solving [3] This course provides an introductory survey of the field of cognitive psychology with emphasis on problems of current interest. Topics include perception, mental imagery, memory, problem solving, reasoning, language, creativity, and social cognition. Areas of application of principles (for example, in education, therapy, communications, etc.) are discussed. Prerequisite: One 200-level PSY course.

PSY 323W Health Psychology [3] An examination of the contributions psychology offers medicine and related health professions, with emphasis on the etiology of and recovery from physical illness as well as the promotion of health. Topics include stress, pain, cardiovascular disease, smoking, alcohol abuse, eating disorders, exercise, and fitness. This course is open to all students and should be particularly relevant to health, business, and education majors. Prerequisite: One 200-level PSY course. (Writing-intensive course)

PSY 332/EDH 333 Emotional Disturbances: Concepts and Theories [3] The study of the major emotionally maladjusted. Includes characteristics, treatment approaches, and classroom applications. Prerequisite: EDH 120 or permission of instructor. (Please note that this course does not fulfill a requirement for the psychology major or minor.)

PSY 333/EDH 333 Emotional Disturbances: Concepts and Theories [3] The study of the major emotionally maladjusted. Includes characteristics, treatment approaches, and classroom applications. Prerequisite: EDH 120. (Please note that this course does not fulfill a requirement for the psychology major or minor.)

PSY 367 Theories of Psychotherapy [3] An integration of major theories of personality with the major forms of psychotherapeutic intervention. Psychoanalytic, existential, Rogerian, Gestalt, behavioral, and family systems approaches are defined and compared with one another. The empirical significance and philosophical assumptions of each approach and personality theory are explored. Prerequisite: One 200-level PSY course.

PSY 372 Research Methods and Statistical Analysis II [3] A continued study of the research process in psychology, providing more complex research activities in and out of the laboratory with a focus on ethical issues and control. Coverage of statistical topics is extended to include advanced inferential and correlational methods. Prerequisite: C– or above in PSY 270W, or permission of instructor. Laboratory fee.
PSY 380 Contemporary Studies in Psychology [3] Concentrated studies in contemporary psychology, such as decision making, intervention methods, gender issues, developmental issues, and health issues. Students may repeat this course as the topics meet their individual curricula needs. Prerequisite: One 200-level PSY course.

PSY 384, 385 Student Internship—Junior Year [3, 3] This course provides supervised work experience for qualified juniors in psychology. The agencies where students work may include, but are not limited to, alcohol and drug treatment programs, community mental health clinics, mental hospitals, schools for handicapped children, schools for emotionally disturbed children, and criminal justice treatment centers. Graded on a Pass/No Pass basis. Prerequisites: GPA of at least 2.5, both overall and in psychology; five courses in psychology above the introductory level; and permission of the department’s coordinator of academic services.

PSY 405 History and Systems in Psychology [3] A review of the origins of psychology as a science. Major theories of human functioning are presented in connection with the people and events that produced them. Prerequisite: Five courses in psychology above the introductory level.

PSY 425 Motivation and Emotion [3] The phrase motivational techniques is being applied to an ever-increasing number of activities in areas such as business, personal development, sports, and health. Traditionally, the study of motivation has been concerned with factors that influence the arousal, direction, and persistence of behavior. This course provides an overview of the biological, learned, cognitive, and affective factors that help energize our actions and encourages a critical appraisal of the psychological foundations of popular motivational programs. Prerequisites: Three PSY courses above the introductory level.

PSY 465 Clinical and Counseling Psychology [3] This course is designed to provide an exploration of those theories, principles, and practices involved in the practice of clinical and counseling psychology. The course examines historical foundations, the four major theoretical models in clinical and counseling psychology (psychodynamics, behavioral and cognitive behavioral, humanistic, and family systems), stages of psychotherapy, areas of specialization, ethical standards, and graduate training and professional practices. Prerequisite: Three PSY courses above the introductory level.

PSY 470W Research Methods and Statistical Analysis III [3] The third course in the research methodology sequence, applies the principles of research design to the study of contemporary psychological issues. In this capstone course, independent projects allow students to gain firsthand research experience. Prerequisite: C– or above in PSY 372, or permission of instructor. (Writing-intensive course) Laboratory fee.

PSY 484, 485 Student Internship—Senior Year [3, 3] This course provides supervised work experience for qualified seniors in psychology. The agencies where students will work may include, but are not limited to, alcohol and drug treatment programs, community mental health clinics, mental hospitals, schools for handicapped children, schools for emotionally disturbed children, and criminal justice treatment centers. Graded on a Pass/No Pass basis. Prerequisites: GPA of at least 2.5, both overall and in psychology; five courses in psychology above the introductory level; and permission of the department’s coordinator of academic services.

PSY 487 Honors Seminar [3] Seminar focuses on selected topics of major contemporary interest in the field. Instructor enlists other faculty members from the department who have special expertise in these areas for presentation to the seminar participants. Prerequisite: Admission to the Honors program in psychology.


PSY 489 Independent Study [1–3] For superior students. Projects are selected by the students with permission of the instructor. Emphasis on individual study of the literature and, where appropriate, research work. A meeting with the faculty advisor is held each week for discussion of methodology, for review of recent developments in psychology, and for presentation of student progress reports. Prerequisites: Junior or senior standing and permission of instructor.

PSY 490–495 Selected Topics in Psychology [1–3] Selected topics in psychology, varying year to year according to the needs of the curriculum, interest of individual students,
and the availability of specialists in such topics. Prerequisite: Three PSY courses above the introductory level.

**Graduate Programs**

*Doctor of Psychology*
- Clinical Psychology

*Master of Arts*
- Clinical Practices in Psychology
- General Psychology

*Master of Science*
- School Psychology, with postdegree certification training
- Organizational Psychology

For a detailed description of the above graduate programs, please see the director for the specific program.

**Religious Studies Minor**

*Interdepartmental Minor Program*

The religious studies minor equips students with a global perspective in their knowledge of religious theory and practice. Integrating thinking and scholarship from philosophy, Judaic studies, literature, art, history, and sociology, the program incorporates both Western and non-Western traditions. Its purpose is to promote an intelligent understanding of different belief systems and their relation to culture and personal choices and actions.

The program complements many different majors. The student interested in this minor should consult the coordinator of the program.

**Requirements for the Minor**

18 credits, including

- **Core Requirements:** 9 credits
  - REL 215/HIS 215/JS 215 Introduction to World Religions
  - REL 280/PHI 280 Introduction to Asian Philosophy
  - REL 352/PHI 340 Philosophy of Religion

- **Electives:** 9 credits (3 credits must be taken in history)
  - REL 228/HIS 228/JS 228 American Jewish History
  - REL 231/ENG 340 Myth, Legend, and Folklore
  - REL 232/HIS 232/GS 232 European and American Witchcraft
  - REL 233/ENG 342 Greek and Roman Classics in Translation
  - REL 251/PHI 240 God and Reason
  - REL 261/SOC 288 Death and Dying
  - REL 335/ART 335 Asian Art
  - REL 308/HIS 308/JS 308 Bible and Archaeology—Old Testament
  - REL 317/HIS 317/JS 317 The Talmud: Its History and Literary Development
  - REL 318/HIS 318/PHI 318 Maimonides in Historical Context
  - REL 310/ART 310/JS 310 Ancient Art
  - REL 311/ART 311/JS 311 Medieval Art
  - REL 341/ENG 341/JS 341 The Bible and Literature
  - REL 415/HIS 415/JS 415 Hebrew Prophets

Appropriate special topics, when offered, may be used to fulfill this requirement with the approval of the coordinator.

**Course Descriptions**

**ARA 110 Elementary Arabic I** [3] This course introduces Modern Standard Arabic (MSA) language and cultures of the Arabic-speaking world. Course includes the five basic skills of listening, speaking, reading, writing, and cultural knowledge.

**ARA 111 Elementary Arabic II** [3] This course is continue the study of Modern Standard Arabic (MSA) language and cultures of the Arabic-speaking world. Course includes the five basic skills of listening, speaking, reading, writing, and cultural knowledge. Prerequisites: ARA 110.

**REL 190, 390 Special Topics in Religious Studies** [3, 3] The content of these courses varies from semester to semester. Either may be repeated with permission of instructor.

**REL 205/HIS 205/JS 205 Israel: History and Society** [3] This course examines some of the key issues in the development of Israeli history, culture, society, and the arts. In seeking to create a radical new society, Israelis have created a unique culture that blends traditional Jewish culture in its Middle Eastern, Western European, and Eastern European forms. We study major themes in Zionist and Israeli history and the development of Israeli culture through a focus on the central questions that have both unified and divided Israeli society.

**REL 214/HIS 214/JS 214 Jewish History from the Exile to the Enlightenment** [3] The development and diversity of Jewish life from the destruction of the Second Commonwealth to the French Revolution; the social and spiritual problems of dispersion; the evolution of Jewish society and culture in the Near East and Europe; the historical roots of anti-Semitism; the rise of the ghetto; and relations between the historical experience of the Jews and spiritual currents
within their religion, such as Kabbala and Hasidism.

REL 215/HIS 215/JS 215 Introduction to World Religions [3] A historical study of major modern religions of the West (Judaism, Christianity, Islam) and East (Hinduism, Buddhism, Taoism, Confucianism, and Shinto). This course also examines (1) the methodologies of religious studies, (2) the characteristics that religions share, and (3) the classic questions that religions address.

REL 216/HIS 216/JS 216 Modern Jewish History [3] The reciprocal effects of Jewish emancipation and Western history in the modern era, from the French Revolution to the present. Particular emphasis on the Zionist movement and the rise of the “Third Jewish Commonwealth,” the modern state of Israel, viewed both as products of post-Enlightenment nationalism and in their unique aspects.

REL 218W/JS 218W Jewish, Christian, and Islamic Ethics [3] Students explore religious ethics from the ancient through the modern periods, with emphasis on Jewish, Christian, and Islamic perspectives. Students also study how comparative religious ethics can foster interreligious discourse and interaction, as well as the understanding of contemporary moral issues and controversies. The course fulfills the writing-intensive guidelines for the Judaic studies major.

REL 228/HIS 228/JS 228 American Jewish History [3] The experience of American Jews from the Colonial period to the present, with the examination of their social, political, religious, and economic development. Episodes in the Jewish experience include the Colonial period, the early Republic, the Civil War, the eras of German and East European Jewish immigration to the United States, the Holocaust years, and the post–World War II era.

REL 231/ENG 340 Myth, Legend, and Folklore [3] Examines myths, legends, and folktales, oral and written, and their influence in forming cultures in Europe and the Americas. The particular cultural contexts vary according to the instructor. Students learn a range of critical methods to apply to this varied material. Prerequisite: Any 200-level literature course or permission of the instructor.

REL 232/HIS 232/GS 232 European and American Witchcraft [3] A history of the European and American attitudes toward witchcraft between the Middle Ages and the present. Special attention is paid to the “witchcraft mania” that emerged in the 15th century, to its regional variations, and to its slow subsidence in the late 17th century. The course also discusses the revival of witchcraft in the 20th century. Main currents of interpretation, both early modern and contemporary, are explored. Prerequisite: HIS 100 or HIS 130, or permission of instructor.

REL 251 PHI 240 God and Reason [3] A critical inquiry into classical and recent philosophical arguments concerning the existence of God, man’s rational knowledge of God, monotheism, the nature of miracles, and similar questions. Among the writings considered are those of Augustine, Anselm, Aquinas, Hume, Kant, Kierkegaard, Marx, James, Russell, Wittgenstein, Tillich, and Hartshorne. Prerequisite: PHI 110.


REL 280/PHI 280 Introduction to Asian Philosophy [3] A survey of major religious traditions from Asia. Includes Indian thought (Hindu, Buddhists, and Vedanta), East Asian thought (Confucian, Taoist, their roots and offshoots), and West Asian thought (Sufi thought). The historical development of Asian thought is only one emphasis. Influences of Asian thought in contemporary thought and practice (e.g., Gandhi, Kyoto School) are emphasized, as are similarities and interactions between Asian and Western philosophy. Prerequisite: PHI 110 or instructor’s permission.

REL 308/HIS 308/JS 308 Bible and Archaeology—Old Testament [3] A critical introduction to the history and literature of the Hebrew Bible in light of its setting in the ancient Near East, utilizing the discoveries of recent scholarship, including archaeology, literature, and textual criticism.

REL 310/ART 310/JS 310 Ancient Art [3] This course provides an in-depth consideration of the art of a specific culture or group of cultures that were part of the ancient world. Topics concentrate on one of the following: Pre-Classical Art, Egyptian Art, Classical Art, Greek Art, or Roman Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art course, or ART 100 with
junior/senior standing; or permission of instructor. Visual resources fee.

REL 311/ART 311/JS 311 Medieval Art [3] This course provides an in-depth consideration of cultures and styles in medieval art and architecture. It may present a survey of the period or concentrate on one of the following areas: Early Christian and Byzantine, Romanesque and Gothic, Medieval Manuscripts, Islamic Art and Architecture, Mediterranean Medieval Art, or Northern Medieval Art. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level ART course or ART 100 with junior/senior standing or permission of the instructor. Visual resources fee.

REL 317/HIS 317/JS 317 The Talmud: Its History and Literary Development [3] This course introduces students to the history and literature of the Talmud, the central work of Jewish law and lore that evolved from about 200 B.C.E. (= B.C.) to 500 C.E. (= A.D.). By examining the pertinent texts in their historical context, students concentrate on major issues that also engaged Greek and Roman thinkers. Such matters as the sanctity of life, theories of democracy and justice, capital punishment, civil and criminal law, and the roles of women and their rights are analyzed amid the relevant historical events and trends and the larger societies that surrounded the Jews.

REL 318/HIS 318/PHI 318 Maimonides in Historical Context [3] This course introduces students to the writing, life, and historical context of Moses Maimonides. After a survey of the history of Rabbinic Judaism and Islamic culture, the life and times of Maimonides are treated. The science, metaphysics, and philosophy shared by Jews, Christians, and Muslims are examined using Maimonides’ life and his philosophical, legal, and medical works as implements of analysis. Prerequisite: HIS 101 or permission of instructor.


REL 323/ART 330 Medieval Art [3] European art from the fourth through the 14th century A.D. Such media as ivories, mosaics, and manuscripts, as well as monumental sculpture and architecture, are used to study the range from Early Christian and Byzantine through Late Gothic art. The course may focus on either Mediterranean or Northern art. The emphasis for a given semester is listed in the Schedule of Classes. Prerequisite: ART 210.

REL 324W/ML 324W/ENG 324W/JS 324W Modern European-Jewish Literature [3] This class explores the relationship between the Jewish Enlightenment (Haskalah) and the development of modern Hebrew and Yiddish literature. The readings and class discussions examine shifting conceptions of Jewish identity; contested notions of Diaspora, Exile, and Home; the relationship between Jewish politics and art; and the tension between the particularity of the national experience and the universality of the Jew. Readings by masters of 19th- and 20th-century European Jewish fiction include S. Y. Abramovitch (Mendele Mocher Seforim), known as the “grandfather” of Yiddish literature; Sholem Aleichem’s humorous tales of Eastern Europe; the folk stories of Y. L. Peretz; Kafka’s modernist parables; Isaac Babel’s passionate narratives of the Russian revolution; I. B. Singer’s tales of demons and sinners; and others. This course fulfills the writing-intensive guideline and literature requirements for the Judaic studies major.

REL 335/ART 335 Asian Art [3] Asian artistic traditions examined via the most important and representative examples of architecture, sculpture, painting, prints, and decorative arts. The course concentrates on one of the following cultural areas: Chinese Art, Japanese Art, or Arts of India. The specific topic is announced in the Schedule of Classes. Prerequisite: Any 200-level art history course, or ART 100 with junior or senior standing. Visual resources fee.

REL 341/ENG 341/JS 341 The Bible and Literature [3] Reading and discussion of the Bible and selected works of literature focusing on recurring themes, forms, imagery, and symbolism. Prerequisite: Any 200-level literature course or permission of instructor.

REL 352 PHI 340 Philosophy of Religion [3] A philosophical examination of the phenomenon of religious experience and practices, addressing such issues as the nature of the sacred, the roles of reason, experience, and faith as modes of religious response, and the significance of religious rituals, language, and symbols as means of religious expression. Prerequisite: PHI 110.

REL 384 PHI 384 Islamic Philosophy [3] A survey, including major figures in Islamic philosophy, from al Kindi to al Ghazzali and
Ibn 'Arabi, and the issues unique to Islamic thought and their attempted solutions. The time span will reflect the influence of Greek philosophy, particularly Hellenistic Neoplatonism as well as Asian philosophy. Efforts to reconcile philosophy with Islam will be considered, as will the problem of religious diversity and the influences of Islamic philosophy upon European Medieval philosophy and religion. Prerequisite: At least one 200-level philosophy course or permission of the instructor. (PHI 280 and/or PHI 282 are recommended.)

**REL 475/HIS 475/JS 475 Senior Seminar: Hebrew Prophets [3]** A critical survey of the messages and roles of the Hebrew prophets in light of their historical, cultural, and theological background in Israel and the ancient Near East. The course includes an examination of prophecy in the biblical literature. Prerequisite: REL 308 or permission of instructor.

### Rhetoric and Professional Writing

**Director of Reading and Writing**
- Program Highberg

**Director of Rhetoric and Professional Writing Program**
- Richards

**Director of Center for Reading and Writing**
- Morelli

**Associate Professors**
- Highberg, Jones (Chair)
- Richards

The Department of Rhetoric and Professional Writing (RPW) administers two writing programs: the first-year Reading and Writing program, which prepares students for college-level reading, writing, and critical thinking; and the Rhetoric and Professional Writing program, which trains majors, minors, and certificate students for writing in the workplace after college.

Reading and writing are twin literacies that should be developed throughout every student’s undergraduate education. Most undergraduates are required to take two preliminary writing courses, RPW 110 and RPW 111; students in the College of Arts and Sciences must also take two upper-level writing-intensive courses. Students also can enhance their major in one subject (such as English, politics, biology, engineering, and computer sciences) by adding a minor or a second major in rhetoric and professional writing. Most students who can document their writing abilities enjoy great success attracting the attention of prospective employers after graduation.

### Reading and Writing Program

The two writing courses required in almost every college at the University (CETA demands only RPW 110, and A&S requires RPW 110 and RPW 210) teach students to read challenging texts, to write effectively, and to research independently. Students learn the principles of rhetoric (to write persuasively for a particular audience), the fundamentals of language (to follow the conventions of grammar and usage), and the influence of culture (to analyze the social expectations upon which persuasion and grammar depend). These courses (RPW 110-111) are offered in four different forms to meet the needs of diverse students. Sections of RPW 110-111 are offered as bilingual for international and ESL (English as a second language) students, intensive for those who struggled in high school English courses, regular for students of average abilities, and honors for those who excelled in demanding high school English courses.

Starting with RPW 110, students learn to manage the process of writing more effectively and to fulfill their audience’s expectations of style, form, and content. Students learn to read texts more critically and write with reference to sources by paraphrasing, quoting, and citing properly. The diverse forms of academic writing (such as exposition, analysis, and synthesis), as well as the variation of disciplinary conventions, are addressed.

In RPW 111, students engage in independent research using print and electronic sources. They learn to write a research essay, one that supports a thesis effectively through convincing analysis and compelling argumentation. Writing is taught as a rhetorical act, a persuasive effort, in which the writer must use language carefully and be aware of the reader’s culture.

After taking these two required courses, students are encouraged to continue their development as writers through further course work.

### Rhetoric and Professional Writing Program

Skilled professional writers are needed in almost every business and industry—large and small, public and private, corporate, for-profit and nonprofit—to write print, digital, and online texts. The undergraduate major in rhetoric and professional writing (RPW) prepares students to write in the workplace through a constant combination of theory and practice. Students learn
many concepts of rhetoric and professional writing while also being engaged in the realistic production of a wide variety of professional texts.

Through a careful sequence of courses and assignments, student learn to write memos, letters, instructions, brochures, proposals, grants, informational reports, and simple Web documents. They also learn to address an audience persuasively and to argue ethically; to employ processes of writing, revising, and editing appropriately; to manage clients, research, and collaboration effectively; and to vary discourses and document designs strategically. Through their senior-year portfolios, students create an array of their exemplary texts and learn to articulate their development as rhetoricians and professional writers.

This program includes a major as well as a minor in RPW. Majors must pursue a second major or minor, and RPW minors must have another subject major. With study in other subjects ranging, for example, from politics and creative writing to biology, engineering, and music, students become more capable professionals through their training in rhetoric and writing. Through internships as well as senior portfolios, RPW students are prepared for the initial challenges of workplace writing as well as later career advancement.

The program also includes a certificate in RPW designed for those who are already employed in workplace writing and can advance their careers through formal training in RPW. The study of rhetoric and professional writing is as old as ancient Greece and as current as today’s blogs and podcasts.

Requirements for the Major in Rhetoric and Professional Writing
Required credits: 30 (plus a required minor—generally 18 credits)
Core Courses: 18 credits
RPW 215W Introduction to Professional Writing
RPW 245W Critical Literacy
RPW 312 Report Writing and Design
RPW 370W Foundations of Rhetoric
RPW 375 Professional Editing
or RPW 359/ENG 359 Contemporary English Grammar
RPW 472 Rhetoric and Professional Writing—Capstone Course: Portfolio Presentation
Elective Courses (12 credits, of which 9 credits must be 300- or 400-level courses):
RPW 211W Introduction to Business and Management Communication
RPW 251W/GS 251W Rhetorics of Gender Activism
RPW 290, 291, 390, 391, 490, 491 Special Topics in Rhetoric and Professional Writing
RPW 316W Collaborative Writing in the Workplace
RPW 340W/GS 340W Writing in Gender-Based Activist Organizations
RPW 480 Internship in Professional Writing
RPW 481, 482, 483 Independent Study in Rhetoric and Professional Writing

Minor in Rhetoric and Professional Writing
Students who choose to minor in rhetoric and professional writing add a credential to their degrees. This credential demonstrates that they have skills in professional communication relevant to their major areas of study in the humanities, natural sciences, social sciences, music, art, engineering, or computer science. This explicit documentation of professional writing skills can enhance students’ job prospects upon graduation.

Requirements for the Minor in Rhetoric and Professional Writing
Required credits: 18
Required courses (9 credits):
RPW 215W Introduction to Professional Writing
RPW 245W Critical Literacy
RPW 370W Foundations of Rhetoric
Elective Courses (9 credits):
RPW 211W Introduction to Business and Management Communication
RPW 251W/GS 251W Rhetorics of Gender Activism
RPW 290, 291, 390, 391, 490, 491 Special Topics in Rhetoric and Professional Writing
RPW 312 Report Writing and Design
RPW 316W Collaborative Writing in the Workplace
RPW 375 Professional Editing
or RPW 359/ENG 359 Contemporary English Grammar
RPW 472 Rhetoric and Professional Writing—Capstone Course: Portfolio Presentation
RPW 480 Internship in Professional Writing
RPW 481, 482, 483 Independent Study in Rhetoric and Professional Writing
Certificate Program
The certificate program in Rhetoric and Professional Writing offers non-degree-seeking students the opportunity to earn a professional credential in professional writing. Both students with and without baccalaureate degrees are eligible to seek a certificate, and admission to the program is based on previous college course work and workplace experience. This program is eligible for federal financial aid.

Requirements for Certificate in Rhetoric and Professional Writing
Required credits: 24
Core Courses: 9 credits
RPW 215W Introduction to Professional Writing
RPW 245W Critical Literacy
RPW 370W Foundations of Rhetoric
Elective Courses (15 credits, of which 9 credits must be 300- or 400-level courses):
RPW 211W Introduction to Business and Management Communication
RPW 251W/GS 251W Rhetorics of Gender Activism
RPW 290, 291, 390, 391, 490, 491 Special Topics in Rhetoric and Professional Writing
RPW 312 Report Writing and Design
RPW 316W Collaborative Writing in the Workplace
RPW 375 Professional Editing or RPW 359/ENG 359 Contemporary English Grammar
RPW 472 Rhetoric and Professional Writing—Capstone Course: Portfolio Presentation
RPW 340W/GS 340W Writing in Gender-Based Activist Organizations
RPW 480 Internship in Professional Writing
RPW 481, 482, 483 Independent Study in Rhetoric and Professional Writing

Course Descriptions
Rhetoric and Writing
RPW 110 Rhetoric and Writing I [3] Introduces students to the complex practices of writing, reading, and thinking required in many university courses. Students learn to approach writing as a process of invention, drafting, revising, and editing. The course also emphasizes the rhetorical aspects of writing, such as audience, arrangement, and academic conventions. Students learn to read diverse texts critically by practicing close-reading strategies, such as highlighting, annotating, and double-entry note taking. Students should become more confident and competent at understanding the positions of others as well as asserting their own informed perspectives. Designated sections of the course require additional work on basic skills. This course may not be elected on a Pass/No Pass basis. Laboratory fee.

RPW 111 Rhetoric and Writing II [3] Emphasizes close reading, analytical writing, and critical thinking that are fundamental for many upper-level courses. Building upon the abilities introduced in RPW 110, critical thinking is taught as students learn to examine multiple perspectives, to analyze an argument, to find and evaluate sources (print and digital), and to present a persuasive viewpoint. As students assert their informed perspectives, they learn to engage with the words and ideas of others without compromising their academic integrity. A primary goal of the course is for students to learn to participate fully in scholarly discourses and debates. Designated sections of this course require additional work in basic skills. This course may not be elected on a Pass/No Pass basis. Prerequisite: RPW 110. Laboratory fee.

RPW 210 Foundations of Argument [3] This foundation course in critical thinking allows students to sharpen their abilities to form and present clear, reasoned opinions. Students analyze discourse, texts, and images to comprehend the arguments they are making; identify and evaluate the assumptions, evidence, and rhetorical strategies on which arguments are based; understand the major components of inductive and deductive reasoning; evaluate the relationships between premises and conclusions while recognizing major fallacies; and make reasoned judgments about an argument’s validity and potential consequences. No credit for RPW 210 will be given to students who have credit for RPW 111. Prerequisite: RPW 110. Laboratory fee.

First-Year Writing for Four-Year Programs Not in the College of Arts and Sciences

Credits

Writing 0 or 3 or 6

Students must demonstrate basic college-level reading and writing skills. Students typically demonstrate these abilities by successfully completing RPW 110 and RPW 111 or their honors equivalents, HON 182 and HON 183. Some students receive waivers for RPW 110 and RPW 111. RPW 110 is waived for students who score a 30 on the ACT exam, score 650 or higher on the SAT verbal, or earn a 4 on the AP Language and Composition exam. RPW 111 is waived for students who score a 32 on the ACT exam.
exam, score 700 or higher on the SAT verbal, or earn a 5 on the AP Language and Composition exam. Students who waive RPW 110 must take RPW 111, and they are strongly encouraged to take the honors version of the second course. Students who waive RPW 110 and 111 are encouraged to enroll in an advanced writing course.

Course Descriptions

Rhetoric and Professional Writing

RPW 211W Introduction to Business and Management Communication [3] This course prepares students to meet diverse business and professional communication needs of the contemporary workplace. Learning and performing business communication functions in a workshop setting, students build on a range of existing and new problem-solving, communication, management, and collaboration skills. To further refine an understanding of these skills, students complete projects around real-world and simulated problems, including a problem report, a grant proposal, and a business plan. Prerequisite: RPW 110 or permission of instructor. (Writing-intensive course) Laboratory fee.

RPW 215W Introduction to Professional Writing [3] This course provides an introduction to the practice of writing in the workplace by bringing together fragments of our talents (what we know, what we can do, what interests us) in order to do the work of professional writers. Students study the language of online and print technical communication; discuss ethical problems in professional communication settings; and examine storyboards, proposals and reports, websites, charts and graphs, marketing materials, and other professional documents with a sharpened rhetorical sensitivity. Students engage in intensive practice of writing individual and collaborative documents for business and industry, including memos, letters, proposals, reports, procedures, descriptions, research designs, and basic HTML. Prerequisite: RPW 110 or permission of instructor. (Writing-intensive course) Laboratory fee.

RPW 245W Critical Literacy [3] Teaches students to think critically about literacy itself. The course examines the implications of changing definitions of reading and writing by placing literacy in a historical context. The social as well as the cognitive effects of reading and writing are studied by locating literacy in various academic and cultural contexts. Other issues include visual and digital literacies as well as students’ own literacy practices. The course may be taken as a requirement of the Rhetoric and Professional Writing major and/or as a writing-intensive course for any student in the College of Arts and Sciences. Prerequisite: RPW 110 or permission of instructor. (Writing-intensive course) Laboratory fee.

RPW 251W/GS 251W Rhetorics of Gender Activism [3] If, as Aristotle claims, rhetoric is the study of the available means of persuasion, then it seems imperative that rhetoric turn its attention to the ways in which activists concerned with issues of gender and sexuality have sought to enact social and political change in a range of contexts throughout history. This course applies rhetorical analysis to essays, speeches, documentary films, visual media, and artifacts from activist organizations, all in an effort to understand better the techniques that gender activists use to mobilize, to challenge, and to create change. Prerequisites: RPW 110 and GS 100, or permission of instructor. (Writing-intensive course) Laboratory fee.

RPW 312W Reports, Proposals, and Grants [3] Whether in corporations, nonprofit, government, or other workplace settings, employees spend much of their time writing reports, proposals, and/or grants. This intermediate-level course teaches the mechanics of writing in these genres and explores the social and political aspects of such writing. Students examine how to conduct research for these genres and tailor such writing for particular audiences by creating several informal and formal projects. Prerequisite: RPW 211W or RPW 215W, or permission of instructor.

RPW 316W Collaborative Writing in the Workplace [3] Studies show that professional and technical writers collaborate 75 percent of their work time, and industry spends $3 billion annually to retrain employees to engage in collaborative composing processes. This course examines professional and technical writing as a collaborative, rather than an individual, process. Topics include theories of collaboration (horizontal and vertical), information development, document cycling, project management, and concepts of authorship. Students lead, as well as engage in, collaborative writing teams on such topics as employee assessment, procedural guidelines, product design, and project proposals. Prerequisite: RPW 211 or RPW 215; or permission of instructor. (Writing-intensive course) Laboratory fee.
RPW 340W/GS 340W Writing in Gender-Based Activist Organizations [3] Focusing on issues such as reproductive rights, healthcare, and domestic violence, students examine the ways in which activist organizations that are focused on issues of gender and sexuality write about controversial issues for a range of audiences and in response to a variety of situations: guest speakers and working documents from actual reports, press releases, website content, and other written texts. Prerequisites: RPW 110 and GS 100, or permission of instructor. (Writing-intensive course) Laboratory fee.

RPW 359/ENG 359 Contemporary English Grammar [3] Grammatical structures and application of grammar to prose writing, with emphasis on stylistic study, syntactic arrangement, and semantic meaning. Prerequisite: Any 200-level literature course or permission of the instructor.

RPW 370W Foundations of Rhetoric [3] The aim of this course is to introduce key historical figures who made, and the current central scholars who are making, contributions to the study of rhetoric. We read primary texts selected from classical rhetoric, modern rhetoric, post-modern rhetoric, and alternative rhetoric(s). We define rhetoric in the traditional sense and study how this definition has changed to include contemporary problems of electronic texts and visual displays of information. Prerequisite: RPW 210W or RPW 215W, or permission of instructor. (Writing-intensive course) Laboratory fee.

RPW 375 Professional Editing [3] This course focuses on print and online editing, including the use of traditional proofreading marks and online techniques, document layout and design, principles of copywriting, and the study of style manuals. The course follows two lines of study: one of editing/text-crunching practices and one of print document design principles and practices related to the editing of documents. The cornerstone of the course is producing two client documents, edited according to client preferences. Prerequisite: RPW 210W or RPW 215W, or permission of instructor. Laboratory fee.

RPW 370W Writing in Gender-Based Activist Organizations [3] A capstone course in which students work individually with faculty advisors to present a portfolio of work submitted, revised, and represented within the rhetoric and professional writing major. Students may elect to include material developed in off-campus writing experiences, including internships, as well as in course work. Each portfolio will be introduced by an essay in which students will situate their work within the theoretical perspectives learned in the program. Prerequisite: Senior standing in the professional and technical writing major.

RPW 480 Internship in Professional Writing [1–3] Internships allow RPW majors and minors to supplement their classroom work with on-the-job experience in professional and technical writing. Typically, during one semester, interns work off campus several hours each week under the supervision of professionals in their fields. Prerequisites: RPW 215W, one 300- or 400-level RPW course, and junior or senior standing.

RPW 481, 482, 483 Independent Study in Rhetoric and Professional Writing [1–3] Individual work in professional and technical writing with faculty supervision. By special arrangement only. Prerequisites: RPW 215W, one 300- or 400-level course, and junior or senior standing; or permission of instructor.

RPW 290, 291, 390, 391, 490, 491 Special Topics in Rhetoric and Professional Writing [3–4] Courses in this category focus on the theories and practices of rhetoric and professional writing encompassed by this department. While the subject matter of special topics courses—including such material as rhetorical theory, evolving technologies of writing, and digital literacies—varies significantly, all courses provide an intensive focus on important historical and contemporary issues in the fields of rhetoric and professional writing, with an eye to exploring the practical implications of particular theoretical perspectives. Laboratory fee.

Sociology

Professors: Hardesty, Norland
Associate Professors: Black, DiChiara, Eichar (Chair), Markson, Stewart
Assistant Professor: Beaulieu

The Department of Sociology offers majors and minors in sociology and criminal justice, a minor in anthropology, and a certificate in applied social research.

Sociology Major Program (B.A.)

Sociology is the scientific study of social behavior. An undergraduate major in sociology is designed to increase students’ understanding of factors that determine social relationships and social organization. Sociology is useful to students interested in a wide variety of
careers ranging from business and industry to
government and human services. The depart-
ment encourages students to combine their
academic programs with future career interests
through participation in individually designed
internships.

Each student majoring in sociology is as-
signed a faculty advisor to help develop an
individual program of study. The student’s
academic program reflects specific intellectual
interests and contributes to achieving educa-
tional and career objectives.

Majors in sociology must complete five core
courses (SOC 110, 242, 340, 343, and 418W).
Majors must also complete three courses at the
foundation level (9 credits) and two courses at
the advanced level (6 credit hours). To attain the
36 required credits for the major, one additional
elective must be taken from any level of the cur-
riculum.

All courses required for the major must be
taken for a letter grade and may not be taken on
a Pass/No Pass basis.

Requirements for the Major
Required credits: 36

Core Courses (18 credits)
SOC 110 Introduction to Sociology
SOC 242 Methods of Social Research
SOC 340 Sociological Theory
SOC 343 Statistical Analysis
SOC 418W Senior Practicum

Foundation-Level Courses (9 credits)
Select 3 courses from the following:
SOC 225 Women’s and Gay Rights Social
Movements
SOC 271 Deviance
SOC 315 Sociology of Gender and Sexuality
SOC 326 Sexuality and Social Conflict
SOC 328 Society and the Individual
SOC 351 Health and Illness
SOC 363 Urban Sociology
SOC 364 Collective Behavior and Social
Movements
SOC 366 Work and Leisure
SOC 377 Contemporary Studies in Sociology
SOC 375 Social Control
SOC 382 Race and Ethnic Relations

Advanced-Level Courses (6 credits)
Select 2 courses from the following:
SOC 419 Applied Research Internship
SOC 420 Social Relations
SOC 424 Political Sociology
SOC 444 Social Research and Social Policy
SOC 445 Applied Research Thesis
SOC 456 Social Welfare
SOC 460 Social Inequality
SOC 463 Social Change
SOC 477 Advanced Studies in Sociology

It is recommended that SOC 110 be taken
before the end of the sophomore year, SOC 242
and 343 before the end of the junior year, and
SOC 340 in the junior year. SOC 418 must be
taken in the senior year.

Not all elective or required courses are
scheduled each semester. All prospective majors
should consult with departmental advisors be-
fore planning their course work in sociology.

Requirements for the Minor
SOC 110 and 12 additional credits. Faculty ad-
visors will provide students with course rec-
ommendations for the minor that reflect indi-
vidual educational and career objectives.

All courses applied to the minor must be
taken for a letter grade with a minimum grade
point average of 2.0. Among the additional
credits in sociology, students must take at least
two courses at the foundation or advanced level.
Students must formally declare the minor by
completing a Change of Major form.

Certificate Program in
Applied Social Research

The certificate program in Applied Social Re-
search is a 12-hour program of study designed
to provide basic competence in applied social
research. The special abilities achieved through
this program will permit students to begin
careers in public, nonprofit, and private organ-
izations that engage in needs assessments, eval-
uation research, policy analysis, and research on
human service delivery systems.

To be eligible for acceptance in the certifi-
cate program in applied social research a
student must meet the following requirements:

1. 6 hours of completed course work in the
social sciences
2. One course in research methods and one
course in statistics (or special equivalent
courses) with grades of B or higher, or
permission of instructor
3. Junior standing (or special permission)

Program requirements are as follows:

1. CS 110 Introduction to Computers
   or CS 114 Programming Languages I
2. SOC 445 Applied Research Methods
3. SOC 444 Social Research and Social Policy
4. SOC 419 Applied Research Internship
   or one of the following:
   CS 114 Programming Languages I
   (if not taken previously)
CS 115 Programming Languages II  
M 260 Data Analysis  
M 220 Linear Algebra and Matrix Theory

Upon successful completion of these course requirements with a grade point average of 3.0 or higher, each student is awarded a certificate and letters to potential employers describing the nature of his/her experience and qualifications.

**Minor in Anthropology**
The following three courses are required for the minor in anthropology:
SOC 130 Cultural Anthropology  
SOC 234 Evolution and Human Variation  
SOC 338 Archaeology

Any three additional courses from the following list may be selected to complete minor requirements:
ENG 340 Myth, Legend, and Folklore  
SCI 240 Historical Geology  
ART 320 Ancient Art

**Writing Requirement**
Most upper-division courses in programs offered through the Department of Sociology require that the student complete a formal writing project in conjunction with the course. The writing project ordinarily takes the form of a term or research paper that tests the student’s ability to communicate the course material effectively. The exact nature of these projects is determined by the individual course instructor.

**Course Descriptions**
Courses not expected to be offered in the next three years are indicated by X following the course description.

**SOC 100, 200, 300, 400 Cooperative Education Program** [variable] Work experience in a public or private organizational setting under the supervision of the co-op faculty coordinator. It is required that the objectives and evaluation criteria be set by a learning contract. Prerequisites: SOC 110, sophomore standing, GPA of 2.5, and approval of co-op coordinator. These prerequisites and SOC 170 for criminal justice majors.

**SOC 110 Introduction to Sociology** [3] Surveys main theoretical approaches and problems in the study of social life. Topics include social origins of the self, the basic processes of social interaction, class and stratification, political power, education, organization, and family. Emphasizes continuing interaction between theory and methods in sociology. Required for sociology majors and most advanced sociology courses. Open to juniors and seniors only through permission of instructor.

**SOC 113 Contemporary Social Issues** [3] Sociological perspective on the tensions, conflicts, and issues that come to be defined as contemporary social problems presents an analysis of historical, cultural, political background of social conflicts. Several specific issues will be discussed in detail along with a critical evaluation of the social policy formulated to solve our most significant social problems.

**SOC 115 Introduction to Social Welfare** [3] This course provides a sociological analysis of the current trends in social welfare. The implementation of health, housing, poverty, and aging policies by federal, state, and local agencies will be analyzed. Careers in social work and applied sociology will be explored.

**SOC 130 Cultural Anthropology** [3] Introduction to culture and social institutions through comparative study of nonliterate peoples, early civilizations, and modern societies, with illustrations of the applications of the tools of anthropological analysis to various social structures.

**SOC 170 Introduction to Criminal Justice** [3] A survey of the social responses to crime and the major social institutions created to control crime. The course introduces the ideologies of crime and crime control; the determination of rates of crime; the structure, operation, and effectiveness of the major criminal justice agencies; and contemporary issues in crime control. The focus of the course is on the United States, but students will be exposed to issues of crime and crime control in other societies.

**SOC 205/HIS 205/JS 205/REL 205 Israel: History and Society** [3] This course examines some of the key issues in the development of Israeli history, culture, society, and the arts. In seeking to create a radical new society, Israelis have created a unique culture that blends traditional Jewish culture in its Middle Eastern, Western European, and Eastern European forms. We study major themes in Zionist and Israeli history and the development of Israeli culture through a focus on the central questions that have both unified and divided Israeli society.
SOC 225/GS 225 Women’s and Gay Rights Social Movements [3] This course provides a detailed examination of the social struggles for women’s and gay rights in the United States and in various countries across the globe. The main focus of the course is on the specific social conditions and events that precipitated battles for change in various social arenas. The outcomes of specific struggles and the impact they had on the social position of women and gay and lesbian people are analyzed. Prerequisite: GS 100 or SOC 110, or permission of instructor.

SOC 234 Evolution and Human Variation [3] A study of human evolution from our vertebrate antecedents to the emergence of modern humans. Special attention is given to the foundation of the specific biological features that culminate in humans and create the foundation for culture. Interpretations of the fossil record, relevant to the development of human evolutionary and variability theory, are examined. Emphasis on the interplay of cultural and biological factors in modern humans. Prerequisite: SOC 130 or permission of instructor.

SOC 242 Methods of Social Research [4] Introduction to widely used quantitative and qualitative methods of data collection and analysis in social research. Topics include the issues of sampling, the problems of measurement, the logic of survey design and analysis, secondary data analysis, observational techniques. This course satisfies a writing-intensive requirement when listed as SOC 242W. Required for majors. Prerequisite: SOC 110 or SOC 170.

SOC 254/GS 254 The Sociology of the Family [3] Comparative study of family institutions, with emphasis on the changing patterns of family relations in the United States. Prerequisite: SOC 110 or GS 100.

SOC 256/AFS 226 The Black Family in American Society [3] An examination of the black family in American society. This course deals with the black family within the social class structure. Emphasis is placed on the similarities and differences within the various social classes as to family relationships; lifestyles (socioization and childrearing practices); cutting across areas of education, employment, religion, recreation, politics, housing; and attitudes toward prejudice and discrimination. Prerequisite: SOC 110.

SOC 258/AFS 258 The Caribbean American Family [3] This course examines the diversity of the Caribbean American culture, the impact of colonization and slavery on the family structure, the pattern of migration, culture shock, and other adjustment issues for families; and the implications of these factors for education, politics, and social relations within the Caribbean American communities and their interaction with the host society. Prerequisite: SOC 110 or AFS 110 or 111.

SOC 271 Deviance [3] This course analyzes the social processes and structural factors that form deviance in society. The course includes the study of how behaviors and attributes come to be defined as deviant as well as how patterns of deviance come to be organized. These topics are linked to the reaction to deviance to outline the relationship between deviance and social order. This course satisfies a writing-intensive requirement when listed as SOC 271W. Prerequisite: SOC 110 or SOC 170.

SOC 273 International Organized Crime [3] This course examines the development of American and international organized crime syndicates since the 19th century. Emphasis is given to issues and trends in organized crime and law enforcement from 1980 to the present. Prerequisites: SOC 170 and sophomore standing.

SOC 274 Sociological Analysis of Prisons and Corrections [3] This course is an overview of the U.S. correctional system. It examines the history and current state of corrections. Topics include parole and probation, jails and prisons, and various intermediate sanctioning options. In addition, current critical issues in the field of corrections will be explored, including the current crisis in overcrowding, AIDS in prison, prisoner rights, and the question of what to do with juvenile offenders. Prerequisite: SOC 170.

SOC 277 Policing Society [3] This course is an overview of the history, function, and organization of police systems in the United States and other countries. Special emphasis is placed on contemporary issues in policing, police organization, and policing strategies, such as women and minorities in policing, community-oriented policing, and the uses of advanced technology in crime control. Prerequisite: SOC 170 or SOC 110.

SOC 278 Drugs and Society [3] An examination of the social context of drug use. A broad range of drugs, from prescription drugs to tobacco and alcohol to narcotics, is discussed. The course focuses on the history, cross-cultural differences, causal factors, and social consequences of the use of various drugs.
SOC 281/GS 281 Women in Society [3] An examination of the relationship between women’s roles and status. Issues include integration of women into various institutional sectors, theoretical explanations of sex discrimination and inequality, the female and male sex roles in other cultures, and changing social and structural patterns in contemporary America.


SOC 292 Special Topics in Sociology [3] Topic varies in accordance with timeliness, needs of the department, and interests of the faculty. Prerequisites vary by topic.

SOC 306/HIS 306/JS 306/POL 376 Archaeology of the Land of Israel [3] This course provides students with an overview of the chronological and cultural structure of the archaeological periods from the third millennium through the Byzantine period, with emphasis on the Roman and Byzantine eras. The course includes fieldwork in Israel, lectures, workshops on material culture, museum tours, and field trips. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. Beyond these required activities, a primary objective of the course is a research paper to be completed during the spring or summer following the return to the United States. This course is linked to an integrated companion course, Archaeology of the Land of Israel. All students complete field- and class work for both courses.

SOC 307/HIS 307/JS 307/POL 377 Archaeological Field Methods and Material Culture [3] This course is an introduction to excavation techniques and material culture. It includes principles of excavation and recording, material culture identification/processing, and field-study tours. Early synagogues and church architecture serve as foci for analysis. This course contains a full introduction to the methodology of Near Eastern archaeology from the Bronze Age to the Iron Age, practical instruction in ceramic typology and Semitic inscriptions, and a survey of Hellenistic, Roman, and Byzantine society. Daily field-school instruction is from 7 a.m. to 2 p.m. (total: 15 days of excavation). Lectures and workshops take place each afternoon. This course is linked to an integrated companion course, Archaeology of the Land of Israel. All students complete field- and class work for both courses.

SOC 315/GS 315 Sociology of Gender and Sexuality [3] This course examines gender and sexuality and important social categories. We investigate the ways in which categories of gender and sexuality structure people’s lives and shape people’s identities. Through these examinations, we explore the interconnectedness of people’s experiences of gender and sexuality. We focus on the ways in which gender and sexuality are socially constructed by society. We examine how what we are taught about gender and sexuality affects our identity, relationships with others, and our social status. Prerequisites: GS 100 and SOC 110, or permission of instructor.

SOC 318, 319 Internships [3, 3] These courses provide the opportunity for qualified junior and senior students to explore their career interests and skills as an integral part of their educational process. Students volunteer eight or 16 hours each week in a chosen agency or organization. Under faculty supervision students complete a reading assignment and a writing project to integrate the practical experiences into their educational program. Placements can be arranged in a variety of public and private organizations. The Department of Sociology maintains a directory of approved placements. Prerequisites: Junior or senior status, GPA of 2.5 for nonmajors, and written approval of advisor.

SOC 326/GS 326 Sexuality and Social Conflict [3] This course examines a variety of ways in which sexuality becomes a focus of social conflict. We explore the questions of why and how some aspects of sexuality are brought into the public sphere. We analyze the social construction of sexuality as a personal and private matter but also as a subject for public concern and social regulation, thereby exploring the connections of gender, race, and class to the conflicts surrounding sexuality. Prerequisites: GS 100 and SOC 110, or permission of instructor.

SOC 327/HIS 368 America in the 1960s [3] An examination of the social and political developments in the United States from 1960 to 1974, including the Kennedy and Johnson administrations, the civil rights movement, the war on poverty, the origins of the counterculture, the revolution in the arts, the Vietnam War, the 1968 election and the crisis of liberalism, the Nixon administration, and Watergate.
Prerequisite: HIS 100 or HIS 131, or permission of instructor.

**SOC 328 Society and the Individual** [3] This course is a sociological analysis of the interrelationships between society, culture, and the individual. It explores in detail several approaches to the impact of social structure and social change on the individual. Prerequisite: SOC 110.

**SOC 330/LAH 330 The Law and Forensic Evidence** [3] This course examines how the laws of evidence affect the use of forensic evidence, the role of the judge and jury in evaluating expert forensic testimony, the role of police investigation work in generating forensic evidence, how to ensure that forensic testimony is both reliable and trustworthy, and inconsistencies in the judicial approach to different branches of forensic evidence. Prerequisite: LAH 201 or SOC 110 or SOC 170, or permission of instructor.

**SOC 338 Archaeology** [3] The purpose of this course is to introduce students to the approaches that anthropologists use to gain knowledge about both the prehistoric and historic past. It is not a course about the prehistory of America but will use examples drawn from the past of both America and Europe to show current archaeological theory and methods. The course considers such topics as methods of survey and excavation, paleo-ecological analysis of prehistoric and historic settlements. Fieldwork experience usually is incorporated whenever the course is offered during a summer session.

**SOC 340 Sociological Theory** [3] This course is organized around a set of issues that is crucial to understanding the role of sociological theory in research. These issues include the cultural context in which ideas develop (sociology of knowledge), the nature and limits of scientific knowledge (epistemology), and the themes of social order and social change implied by the different perspectives. The theories and perspectives examined in this context include structural functionalism, conflict theory, critical theory, symbolic interactionism, phenomenology, ethnomethodology, and some of the new directions and developments in sociological theory. Prerequisite: SOC 110.

**SOC 343/CMM 393 Statistical Analysis** [4] An introductory course in statistics for students in the social and behavioral sciences and the humanities. The course deals primarily with descriptive and associational statistics. Probability and statistical inference are presented but not pursued in depth. This is not a mathematics course but is designed to prepare the student to deal with basic statistical concepts and procedures in relation to social data. Prerequisites: A course in algebra and SOC 242, or permission of instructor.

**SOC 351 Sociology of Health and Illness** [3] The relation of illness, both physical and mental, to social organization and social change; differences in seeking treatment and in response to it; the structure and functions of medical services, including the hospital. Prerequisite: SOC 110.

**SOC 363 Urban Sociology** [3] Overview of the different approaches to the sociology of cities and urban society. Topics include the origin and evolution of cities, the functions of cities, the problems cities experience, planning strategies, and the future of cities. Prerequisite: SOC 110.

**SOC 364 Collective Behavior and Social Movements** [3] Both collective behavior and social movements are examined. The examination of collective behavior focuses on such phenomena as crowds, riots, disasters, and panics. The examination of social movements focuses on the emergence, social significance, membership, ideology, and leadership of historical and contemporary movements. Specific case studies are chosen based on the interests of the class and instructor. Prerequisite: SOC 110.

**SOC 366 Work and Leisure** [3] The organization of work (and industry) and leisure in comparative, sociological perspective. Industrialization, mechanization, and automation are examined in relation to social structures, to the human problems of workers and managers, and to the manner in which workers use leisure time. Problems of morale and alienation under alternative social conditions and systems are assessed. The growth and importance of leisure-time activities are emphasized, especially the effect this growth has had on work-related values and the scheduling of work. Prerequisite: SOC 110.

**SOC 372/GS 372 Women and Crime** [3] This course examines the social construction of female criminality, historic and contemporary trends in female crime, the place of women in the social organization of crime control, and a sociological analysis of the changing nature and consequences of female criminality in contemporary societies. The course serves as an introduction to a feminist reading of criminological
theory. Prerequisites: SOC 170 or SOC 110, and junior or senior standing; or permission of instructor.

SOC 375 Social Control [3] This course examines the theory and practice of punishment and rehabilitation and the different forms of social organization related to them. It analyzes historical and contemporary forms of social control, ranging from capital punishment and incarceration to community supervision and electronic monitoring. The course examines the impact of these efforts on the problems in question and compares them with alternative modes of control. Prerequisite: SOC 110 or SOC 170.

SOC 376 Juvenile Delinquency [3] Sociocultural analysis of delinquency, with emphasis on behavior patterns, self-conceptions, and societal types. Prerequisite: SOC 110 or SOC 170.

SOC 377 Contemporary Studies in Sociology [3] Contemporary studies in the areas of social change, social inequality, and social organization. Since the subject matter varies from semester to semester, the course may be taken for credit more than once. Prerequisite: SOC 110.

SOC 378 Studies in Criminal Behavior [3] Examination of selected issues in the study of criminal behavior, depending on the interests of faculty and students. Since the subject matter varies from semester to semester, the course may be taken for credit more than one time. Prerequisites: SOC 170 and SOC 271.

SOC 379 Studies in Crime Control [3] Examination of selected issues in the study of crime control, depending on the interests of faculty and students. Since the subject matter varies from semester to semester, the course may be taken for credit more than one time. Prerequisites: SOC 170 and at least sophomore standing.

SOC 382/AFS 352 Race and Ethnic Relations [3] A social-historical analysis of the impact of race and ethnicity on the distribution of power, opportunity, and privilege in a social structure. Major theoretical perspectives on racial and ethnic prejudice and discrimination will be examined along with the diverse patterns of interracial and interethnic contact, which develop in different societies. The course will also focus on the politics of minority status, studying the growth and development of social movements that have challenged the legitimacy of racial and ethnic stratification. Prerequisite: SOC 110 or permission of instructor.

SOC 388 Aging and Society [3] This course will be an analysis of the structural and institutional aspects of society that affect older persons. Issues such as ageism, organizational support systems, and power will be studied. Focus will be on values as they are manifested toward aging and the elderly, both domestically and cross-culturally. Prerequisite: SOC 110.

SOC 418W Senior Practicum [4] This course represents the capstone course for sociology majors. Under faculty supervision, students are required to work eight hours a week in a chosen agency or organization in the local community. In a weekly seminar, students are encouraged to apply theories and concepts previously learned in the major to their observations in the field and to produce a final sociological writing project. Prerequisites: Senior sociology major and SOC 242. (Writing intensive course)

SOC 419 Applied Research Internship [3] This course provides the opportunity for qualified students in the Certificate in Applied Social Research program to explore their career interests and skills as an integral part of their educational process. Students volunteer eight hours each week in a community research agency or organization, or the Center for Social Research. Under faculty supervision, students complete a reading assignment and writing project to integrate the practical experiences into their education program. This internship is reserved for students enrolled in the Applied Research program. Prerequisites: SOC 242 and SOC 343, or their equivalents, and one foundation course; or permission of instructor.

SOC 420 Social Relations [3] Focus is on the relationship between the individual and the social world. Various social psychological theories are discussed with an emphasis on sociological concepts and their relevance to individual behavior. Prerequisite: SOC 110 and one Foundation level course, or permission of the instructor.

SOC 424/POL 474 Political Sociology [3] A sociological examination of power and politics. Particular emphasis is placed on the relationships between the state, economy, and civil society. Topics include the development of the modern state, the impact of globalization on welfare state policies, civic and political participation, and ethnic and racial politics. Prerequisites: SOC 110 or POL 110 or POL 200W, and at least junior-level status.
SOC 425/CMM 425 Popular Culture [3] The course introduces students to the diverse elements of popular culture as a valuable source of data about the social norms, values, and conflicts of mass societies. crazes, fads, fashions, and trends are examined in terms of collective behavior and the processes of mass communication to understand their origins, development, and impact on society. Specific case studies of contemporary issues, such as pornography, television and violence, trends in popular music, and sport and leisure, are discussed. Prerequisites: SOC 110 and CMM 110, or CMM 240.

SOC 444 Social Research and Social Policy [3] This course explores the relationship of social research to society, specifically the emergence of social research as a factor in social policy. There is an examination of policy research as a guide to action in education, welfare, health, and crime. Attention is given to the role of values and ethics in the analysis of data in social policy research. Prerequisites: SOC 242 and SOC 343, or their equivalents, and one foundation-level course; or permission of instructor.

SOC 445 Applied Research Methods [3] This course guides students through all stages necessary to conduct applied research. The various aspects of design and analysis include sampling, instrument design, initial data preparation, refining data sets, data processing and analysis, as well as an exploration of the ethical issues involved in the research process. The course includes the development, design, and execution of a research study. Basic knowledge of research methods and statistics are assumed. Various statistical packages are used throughout the course; hence, some knowledge of the computer and the VAX operating system is required. Prerequisites: SOC 242, SOC 343, and one foundation-level course, or their equivalents; or permission of instructor.

SOC 446 Readings in Sociology [1–4] Student-initiated independent study under the supervision of a faculty member. This course addresses two purposes: the in-depth study of a topic that is not represented in the department’s course offerings, or the completion of a major requirement that cannot be satisfied due to scheduling conflicts. Students must prepare a proposal project, a schedule of meetings with the faculty member, the specific assignments to be completed and a suggested mode of evaluation. This proposal must be approved by the faculty supervisor. Prerequisites: SOC 110 and junior or senior standing.

SOC 456 Social Welfare [3] An in-depth understanding of social welfare policy. This course includes an analysis of the historical development of the U.S. welfare system, cross-national comparisons with European welfare systems, and the extensive analysis of the current social welfare system in the United States. Prerequisites: SOC 110 and one foundation-level course, or permission of instructor.

SOC 460 Social Inequality [3] Social inequalities in wealth, power, and status have been increasing over the last half-century within the United States and in the world as a whole. This course examines the dynamics behind these changes, their consequences for individuals and society, and the degree and causes of social mobility in the United States. Studies of the social inequality in other countries and the globalization process provide an international context for understanding changes within the United States. Prerequisites: SOC 110 and one foundation-level course, or permission of instructor.

SOC 461 Formal Organization and Bureaucracy [3] This course analyzes large-scale, deliberately established organizations of all kinds from a sociological perspective (e.g., businesses, governmental agencies, universities, prisons, hospitals). Among the topics are theories of bureaucratic organization, patterns of organizational leadership, the effect of organizational structure on members and clients, interorganizational relationships, and informal organizations within bureaucracies. Prerequisite: SOC 242, its equivalent, or permission of instructor.

SOC 463 Social Change [3] Social change occurs more rapidly each year, but we can cope with it better if we understand its causes. This course focuses on changes over the last 50 years in the United States and the world, then examines future possibilities. Lectures, readings, and videos cover key social trends, social movements and revolutions, globalization, and theories of these change processes and the interconnected contributions of politics, technology, ideas, and the environment. Some practical guidelines for producing social change are included. This course satisfies a writing-intensive requirement when listed as SOC 463W. Prerequisites: SOC 110 and one foundation-level course, or permission of instructor.
**SOC 470 Criminology** [3] This course is an in-depth analysis of the sociological factors associated with crime and criminality. The course examines definitions of criminal activity, measures of crime and the organization of criminal behaviors. Major emphasis is on evaluating and refining theories of crime based on research on patterns of violence, business crime, organized crime and theft. The course devotes special attention to changing patterns in crime, such as computer-related offenses. Prerequisites: SOC 170 and SOC 271.

**SOC 471 Readings in Criminal Justice** [1–4] Student-initiated independent study under the supervision of a faculty member. This course addresses two purposes: the in-depth study of a topic that is not represented in the department’s course offerings, or the completion of a major requirement that cannot be satisfied due to scheduling conflicts. Students must prepare a proposal project, a schedule of meetings with the faculty member, the specific assignments to be completed and a suggested mode of evaluation. This proposal must be approved by the faculty supervisor. Prerequisites: SOC 170 and junior or senior standing.

**SOC 473W/POL 453W Crime, Law, and Administration of Justice** [3] This writing-intensive, interdisciplinary seminar focuses on major issues of current interest in criminal justice. It examines selected topics from administrative, governmental, and sociological points of view. The course relates theory and research to the practical problems of applying knowledge in criminal justice. Prerequisites: Senior standing and 9 credit hours of criminal justice required courses, or permission of instructor.

**SOC 475 Race, Ethnicity, and Crime** [3] This course examines the role of minorities in the criminal justice system. In particular, the course examines minorities as victims, offenders, defendants, and prisoners. Students get an overview of various issues in the criminal justice system as they relate to race. Both historical and contemporary issues are addressed. Theoretical frameworks are introduced to help students better understand minority status and its effects on various aspects of the criminal justice system. Prerequisite: SOC 110 or SOC 170, or 9 credits of criminal justice courses; or permission of the instructor.

**SOC 476 Street Gangs** [3] This course examines street gangs from a sociological, criminological, and public-safety perspective. Designed for students with some familiarity with criminological theory, the focus of the course is on gangs as elements of deindustrialization, alienation, and resistance to cultural and economic domination. Prerequisite: SOC 271 or permission of instructor.

**SOC 477 Advanced Studies in Sociology** [3] Advanced studies in the areas of social change, social inequality, and social organization. Since the subject matter varies from semester to semester, the course may be taken for credit more than once. Prerequisites: SOC 110 and one foundation-level course, or permission of instructor.

**SOC 494, 497, 498, 499 Special Topics in Sociology** [1–4] An exploration in depth of a timely topic of sociological importance by a staff member or visiting sociologist.

**Bachelor of Arts in Women’s Studies**

See Gender Studies.