

# Minors

A minor is available only to a matriculated student currently pursuing a baccalaureate degree. While not required for graduation, a minor provides an option for the student who wants an academic focus in addition to a major. Completion of a minor requires that a student earn a C (2.0) grade or better in each of the required courses for that minor. The same course may be used to meet both major and minor course requirements unless specifically stated otherwise in a major or minor. A maximum of 3 credits toward the minor may be transfer credits of courses equivalent to University of Connecticut courses. Substitutions are not possible for required courses in a minor. A plan of study for the minor; signed by the department or program head, director, or faculty designee; must be submitted to the Degree Audit Office during the first four weeks of the semester in which the student expects to graduate. The minor is then recorded on the student's final transcript. The minor may be chosen from any of those listed below in alphabetical order by title.

## African Studies

Students electing this minor must complete a minimum of 15 credits and meet a language requirement.

### Course Requirements

Two courses are required from among the following courses in the Social Sciences:

ANTH 225, HIST 223, POLS 239, SOCI 226

One course is required from among the following courses in the Humanities:

CLCS 201 Comparative Literature: African Literature, ENGL 218 Literature and Culture of the Third World: African Literature, French 218

Six more credits are required in courses on the lists of courses meeting the Social Sciences and Humanities requirements and/or the following courses:

ARE 255, ANTH 223, ANTH 264, ARTH 285, ECON 247, GEOG 258, HIST 222, POLS 244

### Language Requirement

Intermediate proficiency in an approved language other than English is required for the degree. This will be either the official language of an African country, e.g. Arabic, French, Portuguese, Swahili, or a widely used African language. Requires completion of the fourth semester of a college-level language sequence or examination by a faculty instructor in the language.

The minor is administered under the auspices of the Center for Contemporary African Studies. Courses of study are supervised by committees of participating faculty. Students should contact the Director, Center for Contemporary African Studies, Office of International Affairs.

## Agribusiness Management

The minor will provide an overview of marketing, management, and financial principals and concepts in agribusiness. Analytical and applied decision-making skills are emphasized. All students are required to complete 18 credits from the following two groups:

Group 1. Three of the following courses (9 credits):

ARE 215C 3 credits  
ARE 275 3 credits  
ARE 217 3 credits  
ARE 225 3 credits

Group 2. Three of the following courses (9 credits):

ARE 221 3 credits  
ARE 260 3 credits  
ARE 285 3 credits  
ARE 257 3 credits  
PLSC 244 3 credits  
ANSC 238 3 credits  
ANSC 277S 3 credits

*Note:* ARE 150 may be required for some 200 level ARE courses. Other courses listed may have additional prerequisites as well.

The minor is offered by the department of Agricultural and Resource Economics.

## American Studies

This minor promotes an interdisciplinary understanding of the complex economic, political, and cultural structures at the root of the societies of the Western Hemisphere. Our studies range from the first immigrations across the land bridge from Siberia, to the colonization of the Americas by Europeans, to the present day. Students may also examine such issues as ethnicity, gender relations, and environmental awareness, and discuss how literary and visual artists have articulated contemporary cultural concerns. Students must complete fifteen credits, including any one of the following:

ENGL 270, ENGL 271, or ARTH 254  
and either HIST 231 or HIST 232

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

To insure focus, students must provide a brief rationale for their track and course choices.

The minor is offered by the American Studies Program. For more information, contact Robert Tilton, Director, 486-2058.

## Anthropology

The requirements for this minor are at least 15 credits in Anthropology courses that include (1) two courses chosen from ANTH 214, 220, 233, and 244, and (2) three additional 200-level courses, with the exception that not more than three credits of 290 - 299 series courses may be counted toward the minor. Students are encouraged to consult with advisors in Anthropology and in their major field to design a plan of study appropriate to their long-term goals.

The minor is offered by the Anthropology Department.

## Aquaculture

This minor provides students with a basic understanding of aquaculture, especially in closed circulation systems. Students will be required to complete 18 credits which include a common core for all students and a selection of courses based on a specific area of interest. The requirements for the minor are:

NRME 208, EEB 200, PNB 235, one 2-credit internship (as approved by advisor), and two courses from the following: NRME 235P, ARE 215C, PVS 256, ANSC 253, NUSC 212, EEB 294/MARN 294

The minor is offered jointly by the College of Agriculture and Natural Resources and the College of Liberal Arts and Sciences. For more information, contact Dr. David Schroeder at David.Schroeder@uconn.edu or Dr. Eric Schultz at Eric.Schultz@UConn.edu.

## Art History

This minor provides students with an interdisciplinary understanding of the current and historical roles that the visual arts play in a range of artistic, cultural and social contexts. Students are required to complete fifteen 200-level credits in Art History drawn from at least three of the following categories:

- A. Ancient: ARTH 243, 246, 280\*
- B. Medieval: ARTH 257, 258, 259, 262, 280\*
- C. Renaissance-Baroque: ARTH 250, 251, 273, 278\*
- D. Modern-Contemporary: ARTH 209, 252, 253, 254, 267, 268, 275\*, 276\*, 279\*, 281, 282, 291, 292
- E. Non-Western: ARTH 256, 275\*, 276\*, 277, 278\*, 279\*, 285, 286, 287, 288, 289

Students interested in this minor, should arrange for a counselor with the Art History Coordinator, Department of Art and Art History, School of Fine Arts.

Courses marked with an asterisk (\*) may be used to fill one, but not both, of the categories they designate.

The minor is offered by the Art and Art History Department.

## Bioinformatics

Bioinformatics is a new field of science that results from the application of information sciences to biology. Its goals are to facilitate data storage and retrieval, and the extraction of useful information from biological data.

Students wishing a minor in Bioinformatics must take at least 15 credits of the following courses, including at least one course from each of the following four groups. A single course cannot fulfill more than one group requirement. Credits used to satisfy minimum requirements for the student's major may not also be used towards the 15 credits for the Bioinformatics minor, although such courses may be used to satisfy one of the group requirements, where appropriate.

### Group A: Bio-Computing / Computer Science

MCB 221, MCB 232, MCB/EEB 372, EEB 348, EEB 462, CSE 207, CSE 230, CSE 255, CSE 259

### Group B: Data Banks / Statistics

STAT 201Q, STAT 220, STAT 230 and 231 (Note: both courses must be taken to satisfy this group requirement), CSE 255

### Group C: Protein Structure / Biochemistry

MCB 203, MCB 204, MCB 209, MCB 221, MCB 311

### Group D: Genetics

MCB 200, MCB 201, MCB 212, MCB 213, MCB 217, EEB 348

The minor is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. For the Bioinformatics minor, contact Dr. Dong-Guk Shin at shin@engr.uconn.edu.

## Biological Sciences

Students wishing to complete this minor must take at least 15 credits of 200 level courses from Ecology and Evolutionary Biology, Molecular and Cell Biology, and Physiology and Neurobiology. It is strongly recommended that at least one course include laboratory or field work. Courses chosen for the minor must include at least one course or course sequence from each of the following three groups:

- MCB 200, MCB 203, MCB 204, MCB 210, MCB 213, or MCB 229.
- EEB 244/244W or EEB 245/245W.
- PNB 250, MCB 259, PNB 264-265, or PNB 274-275. PNB 264-265 or 274-275 must be taken in sequence to be counted towards the Biology minor.

The minor is offered jointly by the departments of Ecology and Evolutionary Biology, Molecular and Cell Biology, and Physiology and Neurobiology.

## Biomedical Engineering

A minor in Biomedical Engineering requires completion of 16-17 credits including the following:

- CHEM 243, PNB 264, and EE 272
- One of CHEG 273, CE 297, CSE 245, ME 250, ECE 271, MMAT 236, or CHEG 256
- One of MCB 204, 229, 232C, or PNB 265

The minor is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. For the Biomedical Engineering minor, contact Dr. John Enderle at jenderle@engr.uconn.edu.

## Business

In order to receive a minor in Business, a student must complete five 200-level courses (15 credit hours) offered by the School of Business. Credits from internships cannot be used to satisfy the five course requirement.

Courses designed for students pursuing a minor can be found in the Business Administration (BADM) course description section of the *Catalog*. Other courses offered to business majors may be available to students pursuing a minor, but students will typically require departmental permission to register for those classes. Students should also note that they must meet all requisites for those classes.

The minor is offered by the School of Business. For the Business minor, contact the Undergraduate Programs Office, School of Business, room 121 or phone (860) 486-2315.

## Chemistry

Students taking this minor must take at least 15 credits of 200-level Chemistry courses. The following courses are required:

- CHEM 243, 244, and 245 9 credits
- CHEM 232 4 credits

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

- CHEM 210 2 credits
- CHEM 263 4 credits
- CHEM 280 3 credits
- CHEM 242W 3 credits
- CHEM 234Q 4 credits

The minor is offered by the Chemistry Department.

## Classics and Ancient Mediterranean Studies

This minor allows students to pursue an interest in Greek, Latin, and Biblical literature, history, art, and philosophy through an organized course of study. Students who wish to work in the original language may elect to do so as well. Students electing the minor must complete a minimum of 15 credits from the following:

A. Two courses on Classical or Biblical literature in English (a second course from C may be substituted for any of these):

CAMS 241W, 242W; INTD 294

B. At least one course dealing with the ancient world:

CAMS 243, 244, 251, 252, 253, 254, 255, 256, 257, 293\*, 295\*, 298\*, 299\* (These may be cross-listed under Art History, History, Judaic Studies, and Philosophy.) JUDS /HEB 201 and INTD 294 may also be included.

C. Optional: Courses involving reading in Greek and/or Latin:

CAMS 207, 208, 211, 212, 213, 214, 215, 221, 224, 225, 226, 227, 230, 231, 232, 293\*, 298\*, 299\*

(\*May count toward minor only with consent of advisor).

The minor is offered by the Modern and Classical Languages Department.

## Communication

Students wishing to complete this minor must take at least 15 200-level credits in COMM courses. Selected courses must include:

- COMM 200Q or an equivalent course in research methods
- At least two from COMM 210, 220, and 230
- At least one from COMM 205, 211, 215, 225W, 226, 232, 241, 242W, 243, 245, 250, 251W, 255, 260, 262, 264, 270W, 271, 272, 273W, and, with COMM advisor's permission, 297 and 298
- Not more than one from COMM 280, 282, 288, 290, 291

The minor is offered by the Communications Sciences Department.

## Criminal Justice

The purpose of this minor is to provide in-depth study of topics in criminal justice and to offer preparation for possible careers within the criminal justice system. A maximum of three credits in the minor can be part of a major; 12 to 15 credits can constitute the related area courses.

**Course Requirements.** A total of 18 credits from the following courses:

- Three required courses (Nine credits):  
POLC 255, SOCI 216, PSYC 245
- One Course (Three credits) from the following:  
HDFS 288 Supervised Field Work\*, INTD 210 Urban Field Studies, POLC 297 Supervised Field Work\*, SOCI 296 Field Experience\*, SOCI 340 Seminar in Criminal Justice (for seniors with at least a 2.6 cumulative GPA), or PSYC 294 Field Experience  
\* Field work must be in a criminal justice setting.

Students who are employed full time within a criminal justice setting may have the Group II requirement waived by their Criminal Justice Advisor when employment is documented by their supervisor.

- Two courses (Six credits) from the following: HDFS 201, 264, 266, 276, 284; PHIL 226; POLC 251, 252, 260, 274; 299 (on a criminal justice topic); PSYC 202Q, 240, 243, 256; SOCI 217, 218, 218W, 219, 243, 244, 285, 299 (on a criminal justice topic), 340 (for seniors with at least a 2.6 cumulative GPA); and WS 263.

The minor is offered by the College of Liberal Arts and Sciences. Interested students who are political science majors should contact Richard Cole at Richard.Cole@UConn.edu. Psychology majors should contact Brett Steinberg at Brett.Steinberg@UConn.edu or Diane Quinn at Diane.Quinn@UConn.edu. Family studies' majors should contact Steven Wisensale at Steven.Wisensale@UConn.edu. Sociology majors and all other students should contact James Defronzo at James.Defronzo@UConn.edu.

### Dairy Management

This minor provides interested students with an in-depth exposure to all aspects of dairy farm management. Students will have the opportunity to manage a portion of the UConn dairy herd and be responsible for daily activities and short and long-term decision-making. The requirements for this minor are: ANSC 275, ANSC 277S, ANSC 278, PVS 202, ARE 215C, ARE 217

The minor is offered by the Animal Science Department.

### Ecology and Evolutionary Biology

Students wishing to complete this minor must take at least 15 credits of 200's level (or higher) EEB courses, which must include both 244 (or 244W) and 245 (or 245W).

The minor is offered by the Ecology and Evolutionary Biology Department.

### Economics

Students wishing to minor in Economics must complete:

ECON 218 and 219

At least one course numbered 212V-217, or 237-289

Any two other 200-level courses in the department

The minor is offered by the Economics Department.

### English

Students wishing to complete this minor must take at least 15 credits of 200's level English courses, including:

1. At least one of ENGL 205 (or English Honors 206 or 253) and ENGL 206 (or English Honors 255 or 256);

2. At least one of ENGL 270 (or English Honors 251) and 271 (or Honors 252); and

3. Any three other 200-level English courses, with the following exceptions: 201, 209W, 220-226, 250, 293, and 297.

The minor is offered by the English Department.

### Environmental Engineering

This minor can significantly enhance and strengthen the educational experience of students to provide a firm basis for understanding the impact of human activity and pollutants on the environment as well as the need for environmentally sound manufacturing processes and sustainable development. It requires completion of 18 credits including the following:

An approved *Plan of Study*

ENVE/CE 260, 263, 279

ENVE/CHEG 285

6 elective credits from an approved list of 200-level courses, but not more than 3 credits of research

The minor is offered by the Environmental Engineering Program. For the Environmental Engineering minor, contact Dr. Nelly Abboud at abboudn@uconnvm.uconn.edu.

### Environmental Studies

Environmental Studies is broadly concerned with the interaction between humans and the environment. The Environmental Studies Minor is a coherent 16-credit interdisciplinary (humanities, social sciences, and sciences) program to enable students interested in social science and/or policy approaches to solve environmental problems on a local, national, and global level. This minor provides students the opportunity to focus their related area and/or electives on environmental issues. None of the courses in the minor can be used within the student's major.

**Requirements.** Total of 16 credits as follows:

Core Courses:

EEB 244 or GEOL 250

3 credits from ANTH 236Q, ARE 234, ENGL 239, GEOG 236, NRME 240 or PHIL 216

**Electives.** (Additional 9 credits, no more than 6 from one department) - ANSC 225, 226; ANTH 261, 293, 282; ARE 234; EEB/GEOL 205, EEB 244; ENGL 239; GEOG 232, 236, 237, 285W, 286; HIST 206; NRME 240; PHIL 216; POLS 212; SCI 240. In addition, ANTH 236Q, EEB 244, GEOL 250 may be taken as electives if not chosen core courses.

Students may also incorporate off campus study with the minor advisor's approval, such as internships, Biosphere, or study abroad.

The minor is offered jointly by the College of Liberal Arts and Sciences and The School of Agriculture and Natural Resources. For more information, please contact Robin Chazdon, Ph.D. Ecology and Evolutionary Biology Department 860-486-4057 or Jean Crespi, Ph.D. Geology and Geophysics 860-486-4435.

### European Studies

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

1. One required course: HIST 229

2. Three courses distributed across three of the following four disciplines: ECON 201 or 201W; GEOG 254; HIST 228 or 228W; HIST 258 or 258W; HIST 259 or 259W; POLS 231 or 231W; POLS 240 or 240W

3. One course from the ES advisor's list of approved electives, chosen in close consultation with the ES advisor. With the advisor's approval, a student may opt to do a senior thesis, equivalent to three credits of the elective requirement, on an aspect of European Studies.

4. One three-credit course at the 200's level in European literature, culture, or civilization, from the Modern and Classical Languages listings; or the student may combine three 1-credit Linkage Through Language modules for a total of 3 credits.

5. Language requirement: Intermediate proficiency in reading, writing, speaking, and understanding a European language other than English, demonstrated either through completion of the fourth semester of a college-level language sequence or through examination by a faculty instructor in the language. Study abroad is strongly encouraged as an effective means to increase proficiency.

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

### Food Science

This minor addresses food science as an academic discipline which utilizes approaches for solving applied science problems associated with the acquisition and processing of food.

Students in this minor must pass:

ANSC 224 NUSC 212

ANSC 253W NUSC 233

Additional courses from the following to meet the 18 credit total requirement:

ANSC/NUSC 160 ARE 150

NUSC 165 ANSC 298

NUSC 166 NUSC 235

The minor is offered by the Animal Science Department and the Nutritional Science Department.

### French

The French minor consists of 18 semester credit hours at the 200 level in French: 6 credits from A) Language, 6 credits from B) French and Francophone Culture, 6 credits from C) French Literary Studies. Study abroad in our Paris program is recommended (students in Paris may earn up to 9 credits towards the French Minor).

Any of the courses may be replaced by the appropriate FREN 293 from Paris.

**A. Language** (French grammar, written language and oral skills)

Grammar and composition: FREN 268 or 269

Conversation and Phonetics: FREN 250, 251, or 257

**B: French and Francophone Culture** (any 2 courses from the list)

FREN 210, 211, 224, 218, 281, 215, 216, 217

**C: French Literary Studies** (any two courses from the list)

FREN 261, 262, 223, 220, 221, 222; One course from the list: 230, 231, 232, 233, 234, 235, 280; 272

The minor is offered by the Modern and Classical Languages Department.

**Geographic Information Science**

The minor consists of courses that concern spatial data acquisition, evaluation, manipulation, and analysis. Students electing this minor must complete at least fifteen credits from the following:

1. Two required courses: GEOG 246C and GEOG 248C
2. One of the following: GEOG 240C, GEOG 245V
3. One of the following: ECON 216V, GEOG 242Q, MATH 204Q, MATH 255Q, STAT 201Q

Geography majors may not select GEOG 242Q, and may not use any other Geography course to fulfill both major and minor requirements.

The minor is offered by the Geography Department.

**Geography**

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

The minor is offered by the Geography Department.

**Geology and Geophysics**

The minor in Geology and Geophysics provides instruction in the core concepts and principal methods of investigation in the study of the Earth. This course of study compliments a major in the biological or marine sciences, chemistry, physics, civil and environmental engineering, anthropology, geography, or natural resources management and engineering.

Students wishing to take this minor must complete the requirements of either the Geology Option or the Geophysics Option.

The Geology Option consists of the following four courses:

- GEOL 250, 3 Credits
- GEOL 251, 3 Credits
- GEOL 252, 3 Credits
- GEOL 253, 4 Credits

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

The Geophysics Option consists of the following four courses:

- GEOL 274Q, 3 Credits
- GEOL 276Q, 3 Credits
- GEOL 277Z, 3 Credits
- GEOL 278Z, 3 Credits

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

The minor is offered by the Geology and Geophysics Department.

**German**

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

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

3. Courses in English: students must choose one of the following:

GERM 251, 280W

The minor is offered by the Modern and Classical Languages Department.

**Gerontology**

Specialized training in aging is available through this minor. The minor offers students preparing for careers in aging the opportunity to pursue a formally recognized program of studying gerontology. The 18-credit minor consists of both course work and field experiences working in community settings serving older adults.

**Course Requirements**

1. Three required courses (Nine credits)  
HDFS 204, 248, 250
2. One course (three credits) from the following:  
HDFS 252, 274, 276, AH 203
3. Six credits in HDFS 288: Fieldwork in Community Settings Working with Older Adults  
Six credits of fieldwork with older adults may consist of either two 3-credit field experiences during different semesters or one 6-credit field experience.

The minor is administered under the auspices of the Center on Aging and Human Development in the School of Family Studies. Faculty in the School of Family Studies and other academic programs serve as advisors. Students should contact the Director, Center on Aging and Human Development, School of Family Studies.

**History**

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

**Basic Courses**

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

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

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

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

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

**Optional List of Courses**

Group A - Ancient, Medieval, and Early Modern: 203, 212, 213, 214, 216, 217, 218, 219, 220, 250, 251, 255, 257, 261, 267, 270, 271, 272, 273, 274, 292, 293, 295, 296, 297W, 298, 299, any graduate level History course.

Group B - Modern Europe: 203, 206 (SCI 206), 207, 209 (HDFS 279), 225, 228, 229, 253, 254, 256, 258, 259, 262, 264, 269, 270, 279, 291, 292, 293, 295W, 296, 297W, 298, 299, any graduate level History course.

Group C - United States: 206, 207, 210, 215, 227, 231, 232, 233, 234, 235, 237, 238, 239, 240, 241, 242, 243, 244, 246, 247, 248, 249, 253, 260, 268, 270, 278, 284, 292, 293, 294, 295, 296, 297W, 298, 299, any graduate level History course.

Group D - Africa, Asia, Latin America, and Middle East: 204, 205, 221, 222, 223, 224, 226, 253, 270, 275, 276, 277, 280, 281, 282, 283, 285, 286, 287, 288, 289, 290, 292, 293, 295, 296, 297W, 298, 299, any graduate level History course.

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

The minor is offered by the History Department.

**Human Rights**

This minor provides interdisciplinary instruction in theoretical, comparative, and historical perspectives on human rights through classroom courses, and valuable practical experience in the human rights field through a supervised internship. Fifteen credits at the 200 level are required. Six credits from Group A, Core Courses, six credits from Group A or B, Electives, and three credits from Group C, Internship. More than six credits may not be taken in one department. A student may petition the Director of the Human Rights Minor to allow a course not on the following list to count as an Elective (Group B).

**Group A. Core Courses:**

POLS 205, POLS 258, HIST 226, HIST 253

**Group B. Electives:**

Asian American Studies Institute: 215, 221, 221W, 222, 268

Anthropology: 226, 228, 231

Economics: 202, 207, 247

History: 215, 224, 237, 238, 268, 298 when offered as: The Holocaust and World War II

Philosophy: 215, 218, 245

Political Science: 225, 244, 257

Puerto Rican and Latino Studies: 221

Sociology: 221, 221W, 222, 235, 236, 243, 249, 258, 268, 269

Women's Studies: 263

**Group C. Internship**

INTD 245 Human Rights Internship and Portfolio

The minor is offered by the College of Liberal Arts and Sciences. For more information, contact the Sociology Department.

**Information Technology**

This program extends the benefits of an Information Technology education to engineering majors who are not participating in one of the School of Engineering's Computer Science majors.

**Course Requirements:**

1. Two required courses (six credits)  
CE 211 and CSE 254
2. Two courses from the following (six credits)  
CSE 201, 221, 228, 230, 237, 244, 245, 255, 257, 258, 259, 275, and 282
3. One additional course to be determined by the student and the faculty advisor (three credits)

The minor is offered by the School of Engineering. For the Information Technology minor, contact Dr. Alexander Shvartsman at: aas@engr.uconn.edu.

**International Studies**

This minor enables students, regardless of their fields of concentration, to develop a broad understanding of the rapidly changing global environment. The minor requires fifteen to eighteen hours of course work, and either an intermediate level of competency in a modern foreign language, participation in an approved Study Abroad program, or completion of an internship. Further information on the International Studies minor can be obtained from the International Studies Minor Advisor, Elizabeth Mahan, U-1161.

**Italian Cultural Studies**

Students electing this minor must complete 18 credits from the following:

A. Two courses in Italian literature and/or cinema in English: ILCS 255W, 256W, 260W

B. Two courses in History: HIST 267, 269, 271, 297W

C. One course in Art History: 251W, 272, 273W

D. One additional 200 level course in Italian Cultural Studies or History.

Students must demonstrate proficiency in Italian at a level equivalent to ILCS 147.

The minor is offered by the Modern and Classical Languages Department.

**Italian Literary Studies**

This minor requires the completion of 18 credits in 200 level courses. All of the courses listed below require ILCS 145, 146, 147, 148, or the equivalent, as prerequisites, but those language courses do not count toward the minor. The following are the courses required for completion:

A. One course in composition and conversation: ILCS 239 or 240

B. Both of the following: ILCS 243 and 244

C. Two courses from the following: ILCS 250, 251-252, 253, 254, 261, 262

D. One course from the following: ILCS 237, 238

The minor is offered by the Modern and Classical Languages Department.

**Judaic Studies**

The purpose of this minor is to provide in depth study of topics in Judaic Studies reflecting the history, literature and culture of the diverse experiences of the Jews throughout the world stretching back four millennia to biblical Israel.

**Course Requirements**

JUDS/HEB 103 is a prerequisite. At least one year of biblical or modern Hebrew is strongly recommended. A total of 15 credits from the following 200-level courses is required:

A minimum of six credits in Foundational Courses (Group A): JUDS 201, JUDS 203, JUDS/SOCI 242, CAMS 256, INTD 294.

A maximum of nine credits in Topical Courses (Group B): HEB 277, HEB 279, HEB 293, HEB 299, JUDS 202, JUDS 397, CAMS 244, CAMS 253/HIST 213, HIST 205, HIST 290, HIST 298.

The minor is offered by the Judaic Studies Department.

**Landscape Design**

This minor provides an introduction to landscape architecture, the communication of ideas via presentation drawing, and the methodology of designing the landscape to meet individual and societal needs.

Students in this minor must pass a total of 16 credits including: PLSC 202, 255, 275

And three of the following courses: PLSC 231, 247, 260, 261, 277, 290W

The minor is offered by the Plant Science Department.

**Latin American Studies**

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

ANTH 221, ANTH 229, HIST 281, HIST 282, HIST 283W, POLS 235, SPAN 205

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

The minor is offered by the Latin American Studies Program.

**Latino Studies**

An interdisciplinary minor in Latino Studies is available through the College of Liberal Arts and Sciences for those who wish to develop an understanding of the cultural, historical and socio-political aspects that affect U.S. Latinos/as as an important segment of American society. The minor offers students the opportunity to focus on specific issues related to Latinos/as in the United States while expanding their knowledge in the Social Sciences and Humanities. The courses provide a multicultural approach to knowledge and explore multidisciplinary methodologies in research. Students may elect to take a research project or an internship course to further integrate the knowledge and skills developed.

Students must complete a minimum of fifteen 200-level credits with a grade C or higher.

A. Core courses:

One required course: PRLS 210 Contemporary Issues in Latino Studies (3 credits)

Two courses selected from PRLS course offerings (6 credits):

PRLS 220	PRLS 221	PRLS 241	PRLS 250
PRLS 251	PRLS 260	PRLS 264	PRLS 270

PRLS 295-01 PRLS 295-02

One or two of the following research or internship courses (3-6 credits):

PRLS 211 PRLS 212 PRLS 299 PRLS 294W

B. Related Elective courses (if needed):

200-courses from a related discipline such as Anthropology, Communication Sciences, Economics, History, Political Science, Sociology, Spanish, or Women's Studies:

ANTH 229, ECON 257, ENGL 278, HIST 282, HIST 285, HDFS 270, POLS 235, POLS 263, SOCI 240, SOCI 243, SOCI 249, SOCI 268, SPAN 294, WS 203, WS 267

The minor is offered by the Institute of Puerto Rican/Latino Studies. For more information, contact Blanca G. Silvestrini, Director, (860) 486-3997.

### Linguistics

This minor requires 15 credits of 200-level course work. Required courses are:

A. Core areas of theoretical Linguistics

LING 202, LING 205Q, and LING 206Q

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

B. Linguistics extensions: Any other 200's-level Linguistics course.

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

C. Linguistics in related fields

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

The minor is offered by the Linguistics Department.

### Marine Biology

This minor requires at least 15 credits of 200's course work in marine biology and related courses. Required courses (Group A) are:

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

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

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

The minor is offered by the Marine Science Department.

### Mathematics

The requirements for this minor are MATH 210 (or 220), 211 (or 221), 227 (or 215), and at least 6 credits from any of the following courses: MATH 204, 216, 223, 231, 235, 250, 252, 258, 273, 281, 286 or certain sections of 297, 298, and 299 approved by the department head.

The minor is offered by the Mathematics Department.

### Metallurgy and Materials Engineering

This minor provides a firm basis for understanding the relationships between the structure of all classes of materials, the processing conditions, and the properties of these materials that are critical to science and engineering. It requires the completion of 16 credits including the following:

An approved *Plan of Study*

MMAT 201 (or 243), 244 (or 203), and 202 (or 284)

9 credits selected from MMAT 200-level courses (but not more than 3 credits of independent study MMAT 299)

The minor is offered by the Metallurgy and Materials Engineering Department. For this minor, contact Dr. John Morral at j.morral@uconn.edu.

### Middle Eastern Studies

This minor is intended to enable students to pursue a multi-disciplinary approach to the Middle East and to acquire a thorough understanding of the area from anthropological, economic, historical, literary, political, and religious perspectives.

Students electing this minor must complete at least 18 credits at the 200's level that satisfy the following criteria.

1. The basic required course is HIST 205.
2. In addition, students must complete five courses, spread across at least four fields, from the following list: ANTH 238, CLCS 201, CLCS 203, CLCS 214,

ECON 204(W), FREN 218, HEB 201 (also offered as JUDS 201), HEB 279, HIST 204, HIST 290, HIST 212W (also offered as ANTH 257W), HIST 213 (also offered as CAMS 253), HIST 218 (also offered as HEB 218, CAMS 256, and JUDS 218), INTD 294, POLS 224, POLS 226, and 200-level courses on Middle East Languages.

Courses offered by the Comparative Literary and Cultural Studies (CLCS) Program count toward the minor when the topic contains substantial Middle Eastern material.

With the approval of a student's Middle Eastern Advisor, one other course not listed above or a 3-credit independent study course with substantial Middle Eastern content may also be counted toward the minor.

The Critical Languages Program offers courses in Middle Eastern languages that may be used to fulfill the foreign language requirement of the University. Students are strongly encouraged to take a language relating to their field of study.

The minor is offered by the College of Liberal Arts and Sciences and supervised by a committee of affiliated faculty. For information, contact Metin Cosgel, Director of the Minor (860) 486-4662 or Cosgel@UConn.Edu

### Molecular and Cell Biology

Students wishing to complete this minor must take at least 15 credits of 200's level MCB courses, including at least one course from each of the following three groups:

A. MCB 200, 201, 213, or 217

B. MCB 204 or 203

C. MCB 210 or 229

The minor is offered by the Molecular and Cell Biology Department.

### Native American Studies

Students must complete a total of nine hours in three courses: ANTH 226 Native Peoples of North America, ENGL 272 Native American Literature, and HIST 237 The Indian in American History. Students will then select one of five tracks: Archaeology; History and Culture; Native Latin Americans; Gender and Religion; Ecology, Environment and Policy. Each student will complete three courses within their decided track. Completion of a total of 18 credits is required.

This minor is offered by the College of Liberal Arts and Sciences. For more information, contact Kevin McBride at Kevin.McBride@uconn.edu.

### Neuroscience

The requirements for this minor are at least 15 credits of 200 level courses that are structured in the following manner. Required lecture courses: All students must take both PSYC 257 Physiological Psychology and PNB 251 Biology of the Brain. Lab requirement: Students must take at least one of the following: PSYC 267/267W Laboratory in Physiological Psychology, PSYC 263W Laboratory in Animal Behavior and Learning, or PNB 263W Investigations in Neurobiology. Additional courses, up to at least 15 credits: PSYC 220, 253, 254, 259, 263; PNB 262. Graduate courses in PSYC or PNB may be counted with permission of the neuroscience minor advisor. The additional courses should be selected in consultation with neuroscience advisors in psychology or physiology and neurobiology. Up to 3 credits of independent study (PNB 299, PSYC 297) may be counted towards the minor with permission of the neuroscience minor advisor.

The minor is offered by the Psychology Department and the Physiology and Neurobiology Department. Interested students should contact John Salamone at Salamone@psych.psy.uconn.edu

### Nutrition for Exercise and Sport

This minor has been established in cooperation with the Department of Kinesiology. Students admitted to the minor are expected to have completed PNB 264 and PNB 265 with a grade of B or better.

Students in this minor must pass:

EKIN 248, EKIN 258, NUSC 250, NUSC 241

And two of the following courses for an additional 6 credits:

EKIN 238, EKIN 259, EKIN 263, EKIN 299, NUSC 281 or NUSC 299

The minor is offered jointly by the College of Agriculture and Natural Resources and the Neag School of Education. Students who are interested in pursuing this minor should contact Nancy Rodriguez at Nancy.Rodriguez@uconn.edu.

## Oceanography

Students desiring this minor must take at least 15 credits of 200's level courses including fulfilling the Core requirements. Required courses (Group A) are:

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

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

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

The minor is offered by the Marine Sciences Department.

## Philosophy

A student must take at least 15 credits of philosophy, at the 200's level or higher, including one course from at least three of the following categories:

Category I: History of Philosophy: PHIL 221, 222, 261

Category II: Metaphysics and Epistemology: PHIL 210, 212, 250

Category III: Logic and Philosophy of Language: PHIL 211, 241

Category IV: Value Theory: PHIL 215, 217, 218

The minor is offered by the Philosophy Department.

## Physics

Although this minor is particularly suitable for students in the physical or life sciences as well as in engineering, it will also serve other students who have the appropriate lower division calculus-based physics preparation. The minor introduces the students to the core concepts in mechanics, electricity and magnetism, thermal physics, and quantum physics, and provides further opportunities to study laser physics, nuclear and particle physics, solid state physics, and atomic and molecular physics. The minor requires a minimum of fifteen credits of 200 level course work.

### Course Requirements

A total of fifteen credits consisting of

a. Three required courses (nine credits):  
PHYS 209Q, PHYS 210Q, PHYS 230Q

and

b. Two or more elective courses (six credits) from any of the PHYS 200's courses with no more than two credits from PHYS 291 and no more than three credits from PHYS 299.

The minor is offered by the Physics Department.

## Physiology and Neurobiology

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

Group A. PNB 274 - 275 (8 credits)

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

The minor is offered by the Physiology and Neurobiology Department.

## Political Science

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

1. Theory and Methodology: 201, 202, 204, 206W, 207, 291
2. Comparative Politics: 203W, 228, 229, 230, 231, 235, 236, 237, 239, 233, 233W, 244, or 244W
3. International Relations: 211, 212, 215, 216, 217, 218, 219, 220, 221, 222, 224, 225, 226, 227, 279
4. American Politics: 241, 242, 246, 248, 263, 270, 274, 275
5. Public Policy and Law: 251, 252, 253, 255, 256, 260, 264, 276, 278

The minor is offered by the Political Science Department.

## Portuguese

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

A. PORT 220, 221, 251

B. One of the following courses: PORT 234, 270

C. One of the following courses: PORT 237, 240, 241

D. One of the following courses: PORT 236, 242, 243

The minor is offered by the Modern and Classical Languages Department.

## Psychology

The requirements for this minor are at least 16 credits of 200 level Psychology courses that include

1. PSYC 202Q (4 credits)

2. **one** course (3 credits) representing the Social and Applied Science Perspectives: PSYC 236, PSYC 240, PSYC 243, PSYC 245, PSYC 268, or PSYC 281

3. **one** course (3 credits) representing the Natural Science Perspective (PSYC 220, PSYC 221, PSYC 253, PSYC 254, PSYC 256 or PSYC 257, **and**

4. an **additional two elective courses** (6 credits) of any 200-level Psychology courses not used to meet the above requirements, with the exception that no more than three credits of PSYC 297 may be counted toward the minor. Other than PSYC 202Q, the courses comprising the minor should be selected in consultation with the student's major advisor to comprise a coherent program relevant to the student's academic and/or career interests and objectives.

The minor is offered by the Psychology Department.

## Religion

Fifteen credits at the 200 level are required, six credits from Group A, *Foundational Courses*, and nine additional credits from either Group A or B, *Topical Courses*. No more than six credits may be taken in one department.

### Group A. Foundational Courses:

ANTH 234/234W, ANTH 269, INTD 294, PHIL 231, SOCI 253

### Group B. Topical Courses:

ANTH 273/WS 273, ANTH 274/WS 270, ARTH 243/CAMS 251, ARTH 246/CAMS 252, ARTH 257, ARTH 258, ARTH 259, ARTH 280, CAMS (Latin) 213, CAMS (Greek) 215, CAMS 243/HIST 217, CAMS 244, CAMS 256/HEB 218/HIST 218/JUDS 218, ENGL 217 (when offered as *Literature & Religion*), ENGL 291 (when offered as *Literature & Mysticism*), HDFS 252, HEB 201/JUDS 201, HEB 202/JUDS 202, HEB 295, HIST 213/CAMS 253, HIST 257, INTD 299, JUDS 242/SOCI 242, PHIL 261, 263

The minor is offered by the College of Liberal Arts and Sciences. For more information, contact the Anthropology Department by phone (860) 486-0067 or e-mail Jocelyn.Linnekin@uconn.edu

## Slavic and Eastern European Studies

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

1. One required course: HIST 252

2. Three courses distributed across three of the following four disciplines: ECON 244, GEOG 254, HIST 251, HIST 254W, POLS 222, POLS 230W, POLS 237 or 237W

3. Two courses from the SEES advisor's list of approved electives, chosen in close consultation with the SEES advisor. With the advisor's approval, a student may opt to do a senior thesis, equivalent to three credits of the elective requirement, on an aspect of Slavic and Eastern European Studies.

4. Language requirement: Intermediate proficiency in reading, writing, speaking, and understanding a Slavic or Eastern European language, demonstrated either through completion of the fourth semester of a college-level language sequence or through examination by a faculty instructor in the language. Study abroad is strongly encouraged as an effective means to increase proficiency.

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

## Sociology

Students must complete SOCI 107 and 5 different 200 level Sociology courses (totaling 15 credits), including either SOCI 205 or 270.

The minor is offered by the Sociology Department.

## Spanish

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

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

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

The minor is offered by the Modern and Classical Languages Department.

## Sport Nutrition

This minor, for Kinesiology students, is the official recognition of an emphasis area that has evolved in recent years. The minor is timely and addresses a growing market of job opportunities for students.

**Requirements.** All students will complete the following three required courses and select from a group of approved elective courses for a total of 13 credits. NUSC 165 is a prerequisite for courses listed below.

Required courses (7 credits to be completed by all students)  
NUSC 250, 241, and 200

Elective courses (choose 2 of the following for a total of 6 credits.)\*  
NUSC 236, 267, 281, 299, or EKIN 299

\*Students can elect to take 3 credits of either NUSC 299 or NUSC 281. Not both.

The minor is offered jointly by the Neag School of Education and the College of Agriculture and Natural Resources. Students who are interested in pursuing this minor should contact Nancy Rodriguez at Nancy.Rodriguez@uconn.edu.

## Statistics

This minor requires at least 15 credits at the 200-level. Students must choose one of two options:

Track I. STAT 201, 230, 231, 242, plus one course from the *Optional List* below.

Track II. STAT 201, 220, 242, plus two courses from the *Optional List* below.

Optional List: STAT 235, 243, 252, 253, 261, 271, 272, and 280.

Students who have passed MATH 114, 116, or 121 and also MATH 210 or 220 are strongly advised to take Track I. Students who have passed only MATH 114, 116, or 121 should take Track II.

The minor is offered by the Statistics Department.

## Theatre Production

**Requirements.** For students seeking this minor:

1. Completion of DRAM 107 (one section) and 108
2. Completion of 12 credits of 200-level course work from the following: DRAM 200, 201, 203, 205, 206, 207C, 208, 209, 211, 212, 213, 214, 215, 218C, 257, 258, \*299

\*Offered under special circumstances for production assignments

The minor is offered by the Dramatic Arts Department.

## Theatre Studies

**Requirements.** For students seeking this minor:

1. Completion of DRAM 130 and 131
2. Completion of 12 credits of 200-level course work from the following: DRAM 230, 231, 235, 272, 282, 285

The minor is offered by the Dramatic Arts Department.

## Urban and Community Studies

Students interested in pursuing a minor in Urban and Community Studies should think in terms of completing appropriate 100-level courses in the various social sciences as preparation for advanced courses in their program in Urban and Community Studies. These should include URBN 130 (also cross-listed as GEOG 130) and might well include some of the following courses: ECON 112, POLS 173, SOCI 107 and STAT 100V or 110V.

**Requirements.** 15 credit hours of courses selected from:

- a. required course: URBN 230
- b. two courses from different departments from among the following: ECON 259; GEOG 233; HIST 241; POLS 260, 263; SOCI 280, 285; URBN 248
- c. two additional courses selected from among the following:
  - (1) any additional course listed in b above
  - (2) any of the following courses: ECON 253; GEOG 274, 280W; HIST 246; INTD 211 (taken as part of the Urban Semester Program); POLS 274, 276; SOCI 283, 281, 284; URBN 295

The minor is offered by the Urban and Community Studies Program.

## Women's Studies

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

Not more than two courses may be counted toward both the minor and the major.

Not more than 6 credits for the Women's Studies Internship Program may be applied to the minor.

The minor is offered by the Women's Studies Program.