

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. Substitutions are not allowed. 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 American Studies

This minor provides an interdisciplinary study of African people on the continent and Diaspora through the humanities, social sciences and the arts, with particular emphasis on African Americans. Its broad educational objectives are to engender among all students an intellectual appreciation of black life, to encourage students to develop critical and analytical skills, as well as to appreciate ideals of equality, democracy and humane values.

The requirements include 15 credit hours selected from the following:

- AFAM 3211 (Introduction to African American Studies)
- One course each from groups A, B, and C
- One additional course from any of groups A, B, or C; or AFAM 3295

Group A - History

AFAM/HIST 3224/3770, 3564, 3568, 3620, 3752, 3753; AFAM/HIST/HRTS 3563

Group B - Social and Political Inquiry

AFAM/ANTH 3025, 3152; AFAM/HRTS/SOCI 3505, 3825; AFAM/POLS 3252, 3642, 3647; AFAM/POLS/WS 3652; AFAM/PSYC 3106; AFAM/SOC 3501, 3703; HDFS 3422

Group C - Literature and the Arts

AFAM/ENGL 3214W, 3216W; AFAM/FINA 1100; AFAM/DRAM 3131/W; MUSI 3611

The minor is administered by the Institute for African American Studies. For information, contact Jeffrey O.G. Ogbar: jeffrey.ogbar@uconn.edu.

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: AFAM/ANTH 3025; AFAM/HIST 3753; AFAM/POLS 3252; AFAM/SOCI 3703

One course is required from among the following courses in the Humanities: CLCS 3201 Comparative Literature: African Literature; ENGL 3318 Literature and Culture of the Third World: African Literature; FREN 3218

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 3255; ANTH 3023, 3512; ARTH 3710W; ECON 3473; AFAM/HIST 3752; POLS 3255

Language Requirement

Intermediate proficiency in an approved language other than English is required for the minor. 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 by the Center for Contemporary African Studies. For information, contact Elizabeth Mahan: elizabeth.mahan@uconn.edu.

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 courses: ARE 3210, 3215, 3221, 3225, 3260/W, 4217, 4275, 4279, 4464; HORT 3540; ANSC 3452, or 4662W, any 3000-level or above ARE course, if approved by minor advisor. *Note:* ARE 1150 may be required for some 3000-level or above Agricultural and Resource Economic courses. Other courses listed may have additional prerequisites as well. At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above. **This minor is not open to Resource Economics majors who are concentrating in Environmental Economics and Policy.**

The minor is offered by the department of Agricultural and Resource Economics. For more information, contact Dr. Linda K. Lee at Linda.Lee@uconn.edu or 860-486-2836.

Agricultural Biotechnology

This interdepartmental minor provides students with an in-depth, multidisciplinary education in the emerging field of biotechnology. The minor will prepare students for careers and advanced studies in agricultural biotechnology and applied molecular biology.

Requirements: Students must complete a minimum of 14 credits of the courses listed below. This includes 5 credits of required courses (Group A), a minimum of 3 laboratory credits (Group B) and 6 credits of discipline-based courses from outside the major department (Group C).

Group A - Core Courses: PLSC 3230; MCB 3414; ANSC 3621; AH/PVS 3501

Group B - Laboratory Modules: PLSC 3250; ANSC 3621; AH/PVS 3501

Group C - Cross-disciplinary course choices: ANSC 3121; 3122; 3323, 5623; DGS 3226, 4234, 4235, 4246; HORT 3650; NUSC 3235, 4236, 6313; PLSC 3810, 4210, 4215, 3240, 5298; PVS 3100, 5502, 5503

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

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 2201, ENGL 2203, or ARTH 3440 and one approved 2000-level or above history course.

They must then choose a *track*, a series of related, 2000-level and above 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 Wayne Franklin, Director, 486-4263.

Animal Science

This minor provides students with an opportunity to pursue an interest in animal science.

The student must complete all of the following courses, which will total no less than 18 credits.

ANSC 1001, 2111, 3122

Students must complete a minimum of 9 credits of coursework by choosing from the following courses:

At least 3 credits from: ANSC 3121, 3313, or 4341, *and*

At least 3 credits from: ANSC 2251, 2271, 3261, 3272, 3273, or 3343

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Animal Sciences Department.

Anthropology

The requirements for this minor are at least 15 credits in Anthropology courses that include (1) two courses chosen from ANTH 2000, 2501, 2502, and 3002, and (2) three additional courses at the 2000-level and above, with the exception that not more than three credits of ANTH 3090, 3093, 3095, 3098, 3099, 3521W, 3522W, 3990 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 3315; EEB 4200; PNB 3235, one 2-credit internship (as approved by advisor), and two courses from the following: NRME 4335; ARE 3215; PVS 4351; ANSC 3343; NUSC 3235; EEB 3230/MARN 3014

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. Eric Schultz at Eric.Schultz@UConn.edu.

Aquaculture Business Management

The minor provides interested students with an overview of marketing, management, and financial principals and concepts in aquaculture management. Analytical and applied decision-making skills are emphasized.

All students are required to complete 15 credits from the following two groups.

1. 12 credits from: NRME 3315; ARE 3436, 3450, 4462

2. 3 credits from: ARE 3210, 3215, 3225, 4217, 4275, 4464; ANSC 3343; or any one 3000-level or above ARE course approved by the minor advisor.

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Department of Agricultural and Resource Economics. For more information, contact Dr. Linda K. Lee at linda.lee@uconn.edu or 860-486-2836.

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 3000-4000 level credits in Art History drawn from at least three of the following categories:

A. Ancient: ARTH 3140, 3150, 3210*, 3993**, 3995**

B. Medieval: ARTH 3210*, 3220, 3230, 3240, 3260*, 3993**, 3995**

C. Renaissance-Baroque: ARTH 3320, 3330, 3340, 3620*, 3993**, 3995**

D. Modern-Contemporary: ARTH 3020/W, 3035, 3430, 3440, 3445, 3450, 3460, 3510, 3520, 3530, 3560, 3630*, 3640*, 3645*, 3993**, 3995**

E. Cross-Cultural Perspectives: ARTH 3015W*, 3610, 3620*, 3630*, 3640*,

3645*, 3710, 3715, 3720, 3730, 3740, 3745, 3993**, 3995**

F. Art History Theory and Methodology: ARTH 3005, 3010, 3015W*, 3030, 3260*, 4010, 3993**, 3995**

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. ARTH 3993** and 3995** may be used to fill area requirements, but only with the written approval of the coordinator of the minor. If approved, there is no limit on the number of credits from the courses that may be applied to the minor, with a change of topic.

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

Asian American Studies

Asian American Studies is an interdepartmental, interdisciplinary program devoted to the study of the Asian American experience within the larger context of an increasingly diverse American society. Although the primary focus of the minor is upon Asian Americans, attention is also given to the study of the global context, especially Asia, since this larger context informs the Asian American experience.

Students are required to complete eighteen credits at the 2000-level and above by completion of Sections A, B, C, and D:

Three credits from Section A: AASI 3201.

Six credits from Section B: AASI 3215; AASI 3220/ARTH 3020; AASI/ENGL 3212; AASI/HIST 3531, AASI 3578/HIST 3530, AASI 3221/HRTS 3571/SOCI 3221; AASI 3295*, 4999*

Six credits from Section C: AASI 3214, 3216; AASI 3222/HRTS 3573/SOCI 3222; AASI/HIST 3808, 3809, 3812; HIST 3822; POLS 3472; AASI 3295*, 4999* and

Three credits from Section D: AFAM/ENGL 3214W; AFAM/HIST/HRTS 3563; ANTH/PRLS 3041/3241; AFAM/HRTS/SOCI 3505, 3825; COMM/PRLS 4320; DRAM 3401; AFAM/HIST 3564; HIST/WS 3562; PRLS 3298.

* Must be approved by the Asian American Studies Minor Advisor

This minor is offered by the Asian American Studies Minor Advisor, Director, Asian American Studies Institute, Beach Hall, Rm. 417. For more information, e-mail Roger.Buckley@uconn.edu or phone (860) 486-4751.

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. Courses used to satisfy requirements for the student's major may be used to satisfy group requirements but may not be used towards the 15 credits for the Bioinformatics minor.

Group A: Bio-Computing / Computer Science

MCB 3421, 3832; MCB 5472/EEB 5372; EEB 5348, 5462; CSE 2102, 2300W, 2363, 3500, 3502, 3800, 4102, 4701

Group B: Data Banks / Statistics

STAT 2215Q, 3025Q; 3375Q and 3445 (Note: both courses must be taken to satisfy this group requirement), CSE 4701

Group C: Protein Structure/Biochemistry

MCB 2000, 3010, 3421, 4009, 5011

Group D: Genetics

MCB 2211, 2410, 2413, 3412, 3617; EEB 5348

MCB 3899, CSE 4095, and CSE 4099 can be counted towards the 15 credit requirement, if approved by a member of the bioinformatics oversight committee.

The minor is offered jointly by the School of Engineering and the College of Liberal Arts and Sciences. For the Bioinformatics minor, contact Dr. Ion Mandoiu at ion@enr.uconn.edu or Dr. J. Peter Gogarten at gogarten@uconn.edu.

Biological Sciences

Students wishing to complete this minor must take at least 15 credits of 2000-

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:

A. MCB 2000, 2210, 2410, 2413, 2610, or 3010.

B. EEB 2244/2244W or 2245/2245W.

C. PNB 2250, 2264-2265, or 2274-2275.

PNB 2264-2265 or 2274-2275 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.

Is this the correct interpretation of adding the course to the requirements?:

Biomedical Engineering

A minor in Biomedical Engineering requires completion of 16-17 credits including the following: BME 3100; BME 3300, 3301 or CHEG 3173; BME 3500, 3600W and 3700.

The minor is offered by the School of Engineering. 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, 3 credit, 3000-4000 level courses (15 credit hours) offered by the School of Business. ACCT 2101 may be counted in place of one 3000 to 4000-level course and is the only 2000-level course which may count toward the minor. Credits from internships (4891's) cannot be used to satisfy the requirement. No more than three of these credits may be from transfer credits of courses equivalent to University of Connecticut courses, UConn Study Abroad or National Student Exchange courses. With approval, one 4 credit transfer course may be used. Note: Accreditation standards restrict students who are not majors in the School of Business to no more than 27 credits of coursework offered by the School of Business.

Courses used to fulfill the requirements for the business minor may not also be used to fulfill the requirements for the entrepreneurship minor. 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 2000-level or above Chemistry courses. The following courses are required: CHEM 2443, 2444, and 2445*; CHEM 3332

*CHEM 2446 may be used in place of CHEM 2445 by Chemical Engineering and Biomedical Engineering majors only.

Further, students must take one course from the following list: CHEM 3210, 3334, 3442W, 3563, 3661

The minor is offered by the Chemistry Department.

Add reinstated course, but is it taught in English or Greek? Sent email to R. Tavis and N. Bouchard 3/28/08.

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 3241W, 3242W; INTD 3260

- B. At least one course dealing with the ancient world: CAMS 3243, 3244, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3293*, 3295, 3298*, 3299* (These may be cross-listed under Art History, History, Judaic Studies, and Philosophy.) JUDS/HEB 3201 and INTD 3260 may also be included.
- C. **Optional: Courses involving reading in Greek and/or Latin:** CAMS 3207, 3208, 3211, 3212, 3213, 3214, 3221, 3224, 3225, 3226, 3227, 3232, 3293*, 3295*, 3299* (*May count toward minor only with consent of advisor).

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

Cognitive Science

Cognitive Science is the interdisciplinary study of mind and intelligence, bringing together course content from Psychology, Linguistics, Artificial Intelligence, Anthropology, Communication Disorders, Neuroscience, and Philosophy. While available with any undergraduate major, the minor in Cognitive Science is especially appropriate for majors in the fields listed above.

Requirements

To earn a minor in Cognitive Science, students must complete 15 credits at the 2000-level or above. COGS 2201 is required, plus four additional courses coming from at least three areas (A through F). No more than 6 credits may be counted from any one department.

A. Cognition: ANTH 3250; CSE 4705; PHIL 3247/W, 3250/W; PSYC 2500, 2501

B. Language: ANTH 3002 or LING 3610W; LING 2020; PHIL 3241; PSYC 3500

C. Perception: PHIL 3256/W; PSYC 3501, 3502

D. Development: CDIS 3202/W or PSYC 3470/W; CDIS 4253; PSYC 2400

E. Neuroscience: CDIS 4244/W, PHIL 3249/W; PNB 3251; PSYC 2200

F. Formal Systems: CSE 2500, 3502; LING 3310Q, 3510Q; PHIL 2211Q, 3214

The minor is offered by the College of Liberal Arts and Sciences. For the Cognitive Science minor, contact Prof. Letty Naigles, Director of Undergraduate Studies in Cognitive Science, 141 Bousfield Psychology Building.

Communication

Students wishing to complete this minor must take at least 15 2000-level or above credits in COMM courses. Selected courses must include:

1. COMM 3000Q or equivalent research methods course. If an equivalent research methods course is used, 15 credits in 2000-level or above COMM courses are required.

2. At least two from the following Core courses: COMM 3100, 3200, and 3300

3. Only one (3 credits) can be an Applied course from the following list: 4800, 4820, 4940, 4991, 4992.

4. The Communication Advisor's permission is needed for 4995, 4998.

The minor is offered by the Communication Sciences Department.

Pending approval of CLAS 2/12/08 Minutes:

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 comprised of 15 credits from the following courses (Groups I and II) and 3 credits of approved internship or field experience in a criminal justice setting (Group III):

I. Three required courses: POLS 3827, SOCI 2301, PSYC 2300

II. Two or more elective courses (six credits) from the following: HDFS 2001, 3103, 3340, 3510 3520; HRTS/WS 3263; PHIL 3622; POLS 2622, 3802, 3817, 3842, 3999 (on a criminal justice topic); PSYC 2100Q, 2301, 2501, 2700; SOCI 3307, 3311, 3315/W, 3425, 3457, 3503, 3999 (on a criminal justice topic).

III. Three credits of approved internship or field experience. The academic credits

must be one of the following courses (or combinations of courses) and the coursework must be done in a criminal justice setting: HDFS 3080; INTD 3590; POLS 3991 (or a combination of two credits of POLS 3991 with an associated one credit of POLS 3999); SOCI 3990 (or a combination of two credits of SOCI 3990 with an associated one credit of SOCI 3991); PSYC 3880; or another 2000-level or higher internship or field work course with field study done in a criminal justice setting approved in advance by the student's Criminal Justice Advisor.

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

The minor is offered by the College of Liberal Arts and Sciences and coordinated by the Individualized and Interdisciplinary Studies Program, Center for Undergraduate Education. Details of the minor are available at http://www.iisp.uconn.edu/criminal_justice_minor.htm. For further information, students may contact the Criminal Justice Advisor in their major field or Dr. Margaret Lamb, Director, Individualized and Interdisciplinary Studies Program, iisp@uconn.edu.

Criminal Justice Advisors: Frank Goetz at Frank.Goetz@UConn.edu (Political Science); Eleanor Coldwell at Eleanor.Coldwell@UConn.edu (Psychology); Steven Wisensale at Steven.Wisensale@UConn.edu (Human Development and Family Studies); Bradley Wright at Bradley.Wright@UConn.edu (Sociology); Nadine Brennan at Nadine.Brennan@UConn.edu (Urban and Community Studies; Greater Hartford campus); and Margaret Lamb at Margaret.Lamb@UConn.edu (Criminal Justice minor coordinator).

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. All students are required to complete 18 credits from the following courses: ANSC 3261, 3663, 4662W; PVS 2301; ARE 3215, 4217. At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Animal Science Department.

Diversity Studies in American Culture

Students should consider taking appropriate 1000-level courses in preparation for junior-senior level coursework in Diversity Studies. These might include SOCI 1501/W, as well as ENGL 1601W, HIST 1203, PHIL 1107, PSYC 1100 and 1101/1103, WS 1104, and WS 1105.

Requirements: 15 credit hours. No more than one course in Diversity Studies can be counted towards both the student's major and the Diversity Studies in American Culture minor. No more than two courses may be taken within a single subject area. Classes not listed below, such as three-credit "Special Topics" courses, may be used to fulfill Diversity Studies requirements with the approval of the Director of Diversity Studies in American Culture. (If possible, students should seek such permission before taking the course.)

A) One required three-credit course: INTD 2245

Students must take four courses which must include at least one from each category to fulfill the remaining twelve credits. (Please note that some of these courses have prerequisites.)

B) To fulfill the twelve remaining credits, students must take four courses which must include at least one from each of the following categories:

I. Gender, Physicality, and Sexual Identities

DRAM 3130; ENGL 3609, 3613; HDFS 2001, 3261; POLS/WS 3052; PRLS 3231/WS 3259; PRLS 3251/HDFS 3268; PSYC/WS 3102/W; SOCI 3221/AASI 3221/HRTS 3571; SOCI/WS 3453, 3621/W; SOCI 3601/W; WS 3252, 3266, 3267, 3269

II. Ethnicity, Culture, and Race

AASI 3201; AASI/ENGL 3212; AFAM/DRAM 3131/W; ENGL 3605/PRLS 3232; ENGL 3607/PRLS 3233; ENGL 3210; ENGL 3214; ENGL/AFAM 3216W, ENGL 3218W; PRLS 3210; PRLS 3230/WS 3258; PSYC/AFAM 3106/W, PSYC 2101, 2701; SOCI/AFAM/HRTS 3505, 3825; SOCI/AFAM 3501;

SOCI 3501W; SOCI/JUDS 3511; SOCI 3503/W, 3511W

III. History and Politics

HIST/WS 3562, HIST 3570; HIST/AFAM/HRTS/3563; HIST/AFAM 3564; HIST/AASI 3531; HIST 3674/PRLS 3220; HIST 3575/PRLS 3221/HRTS 3221; HIST 3530/AASI 3578; POLS/AFAM/WS 3652; POLS/AFAM 3642; POLS 3662/PRLS 3270; SOCI/HRTS 3421; SOCI 3421W

The minor is offered by the College of Liberal Arts and Sciences. For more information, contact Katharine Capshaw Smith at capshaw@uconn.edu.

Ecology and Evolutionary Biology

Students wishing to complete this minor must take at least 15 credits of 2000-level (or higher) EEB courses, which must include both 2244 (or 2244W) and 2245 (or 2245W).

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

Economics

Students wishing to minor in Economics must complete five three-credit courses at the 2000-level and above, including ECON 2201, 2202, and one course numbered 2301-2328 or at the 3000-level or above.

The minor is offered by the Economics Department.

English

Students wishing to complete this minor must take at least 15 credits of English courses at the 2000-level or above, including:

1. At least one of ENGL 2100 (or English Honors 3805W or 3807W) and ENGL 2101 (or English Honors 3809W or 3811W);

2. At least one of ENGL 2201/W (or English Honors 3801W) and 2203/W (or Honors 3803W); and

3. Any three other English courses at the 2000-level or above, with the following exceptions: 3010W, 3091, 3111-3119, 3177, 3693, and 3800.

The minor is offered by the English Department.

Entrepreneurship

To receive this minor, a student must complete five, 3 credit, 2000-level or above courses (15 credit hours) offered by the School of Business. Credits from internships cannot be used to satisfy the requirement. No more than three of these credits may be from UConn Study Abroad or National Student Exchange courses.

Courses used to fulfill the requirements for the entrepreneurship minor may not also be used to fulfill the requirements for the business minor. Note: Accreditation standards restrict students who are not majors in the School of Business to no more than 27 credits of coursework offered by the School of Business.

Courses designed for students pursuing this 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.

As part of the five courses required for the minor, students must satisfy the following requirements: BADM 3740 or MGMT 3101; BADM 3741 or MGMT 3234; and BADM 3742 or MGMT 3235

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

Environmental Economics and Policy

The minor will provide interested students with an overview of key concepts and methods used by economists to analyze problems associated with human use and misuse of natural resources and the environment and to evaluate policy options for better management of these resources for current and future generations.

All students are required to complete 12 credits from the following courses: ARE 3260/W, 3434/W, 3436, 3437, 4099, 4438, 4462, 4464, or any other 3000-level or above ARE course if approved by the Minor Advisor. The 12 credits

used to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above. **This minor is not open to Resource Economics majors who are concentrating in Environmental Economics and Policy.**

The minor is offered by the department of Agricultural and Resource Economics. For more information, contact Dr. Linda K. Lee at Linda.Lee@uconn.edu or 860-486-2836.

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 2310, 3220/3320, 4310

ENVE/CHEG 3230

6 elective credits from an approved list of 2000-level and above 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. Amvrossios Bagtzoglou at acb@enr.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 2244 or GEOL 3010

3 credits from ANTH 3200; ARE 3434; ENGL 3240; GEOG 3410; NRME 3245 or PHIL 3216

Electives. (Additional 9 credits, no more than 6 from one department) - AH 3175; ANTH 3093, 3201, 3302; ARE 3434; EEB 3205, EEB 2244; ENGL 3240; GEOG 3300, 3320/W, 3410, 4300; HIST/SCI 2206; NRME 3245; PHIL 3216; POLS 3406; SCI 2400. In addition, ANTH 3200, EEB 2244, GEOL 3010 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 College 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.

Equine Business Management

The minor provides interested students with an overview of marketing, management, and financial principals and concepts in equine management. Analytical and applied decision-making skills are emphasized.

All students are required to complete 18 credits from the following two groups:

1. Nine credits from the core courses: ANSC 2251, 3452; ARE 3210, 3215
2. Nine credits from the following courses: ARE 3225, 4217, 4275, 4438, 4464, and any one 3000-level or above ARE course, if approved by the minor advisor.

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Department of Agricultural and Resource Economics. For more information, contact Dr. Linda K. Lee at linda.lee@uconn.edu or 860-486-2836.

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 2000-level or above distributed across the following categories:

1. One required course: HIST 2402
2. Three courses distributed across three of the following four disciplines: ECON 2101/W; GEOG 4700; HIST 2401/W, HIST 3412/W, 3413/W; POLS 2222/W
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 2000-level and above 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, 486-5888.

Film Studies

Students electing this minor must take two courses from each of the following three Distribution Groups:

Two courses in core film studies: CLCS 2214, 3207, 3208; DRAM 4152

Two courses in national cinemas: DRAM 4151; GERM 3261W (taught in German), 3264W (taught in English); FREN 3223 (taught in either English or French), 3226 (taught in English); ILCS 3260W (taught in English); SPAN 3250 (taught in English), 3251 (taught in either English or Spanish), 3252 (taught in Spanish), 3254 (taught in English)

Two interdisciplinary courses: AASI/ENGL 3212; CAMS 3245; COMM/PRLS 4320; CLCS 3201; ENGL 3621; ENGL 3623/WS 3217; ILCS 3258/W; LAMS 3575; POLS 3426; SOCI 3703/W

This interdisciplinary minor is offered by the Department of Modern and Classical Languages. For more information, contact Norma Bouchard by e-mail at Norma.Bouchard@UConn.edu or by phone at (860) 486-3292.

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 3343, 4341; NUSC 3233, 3235

Additional courses from the following to meet the 18 credit total requirement: ARE 1150; ANSC 2695; ANSC/NUSC 1645; NUSC 1165, 1167, 3234

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

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 2000-level and

above 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 3293 from Paris.

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

Grammar and composition: FREN 3268 or 3269

Conversation and Phonetics: FREN 3250, 3251, or 3257

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

FREN 3210, 3211, 3215, 3216, 3217, 3218, 3224, 3273, 3274

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

FREN 3220, 3221, 3222, 3223, 3230, 3231, 3232, 3234, 3235, 3261W, 3262W, 3272

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 4500 and 4510
2. One of the following: GEOG 3510, GEOG 3520
3. One of the following: ECON 2326; GEOG 3500Q; MATH 255; 3710; STAT 2215Q

Geography majors may not select GEOG 3500Q, 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 2100 or 3120, GEOG 2300, and an additional 9 credits of 2000-level and above 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 3010, 3020, 3030, 3040

An additional 2000-level or above 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 4510, 4520, 4550, 4560

An additional 2000-level or above 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 Center for Integrative Geosciences.

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 2000-level and above distributed across the following categories:

1. Language skill courses: students must choose 2 of the following courses: GERM 3231, 3233, 3234, 3245, 4246
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 3253W, 3254W, 3255W, 3261W, 3265, 3293, 3294, 3295 (if taught in German)

3. Courses in English: students must choose one of the following: GERM 3251, 3258, 3264W

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 2200, 3240, 3249
2. One course (three credits) from the following: HDFS 3252, 3510, 3530; AH 3203
3. Six credits in HDFS 3080: 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. Students should contact the Department of Human Development and Family Studies.

History

Students must pass five courses (15 credits), by completing (A) five courses across at least three distribution groups, or (B) HIST 2100 and four courses across at least three distribution groups.

List of Courses

Group A - Ancient, Medieval, and Early Modern: HIST 3300 (ANTH 3513), 3301 (CAMS 3253), 3320 (CAMS 3254), 3325 (CAMS 3255), 3330 (CAMS 3256, HEB 3218, JUDES 3218), 3335 (CAMS 3250), 3340 (CAMS 3243), 3350, 3360, 3361, 3370, 3371, 3400, 3401, 3420, 3450, 3460, 3470, 3740

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

Group C - United States: HIST 2206 (SCI 2206), 3201 (HRTS 3201), 3204W, 3206, 3502, 3504, 3510, 3516, 3520, 3522, 3530 (AASI 3578), 3531 (AASI 3531), 3540, 3541 (URBN 3541), 3544, 3550, 3551, 3554, 3555, 3556W, 3561 (WS 3561), 3562 (WS 3562), 3563 (AFAM 3563, HRTS 3563), 3564 (AFAM 3564), 3568 (AFAM 3568), 3570, 3575 (PRLS 3221, HRTS 3221), 3660W (LAMS 3660W/PRLS 3660W), 3674 (PRLS 3220).

Group D - Africa, Asia, Latin America, and Middle East: HIST 3201 (HRTS 3201), 3202 (HRTS 3202), 3206, 3422, 3607, 3608W, 3609, 3610, 3620 (AFAM 3620), 3621, 3635, 3640, 3643, 3660W (LAMS /PRLS 3660W), 3674 (PRLS 3220), 3704, 3705, 3712, 3752 (AFAM 3752), 3753 (AFAM 3753), 3770 (AFAM 3224), 3808 (AASI 3808), 3809 (AASI 3809), 3812 (AASI 3812), 3822, 3863.

Variable Topics Courses (HIST 3100W, 3101W, 3102, 3991, 3993, 3995, 3998, 4989, 4994W, 4999, or a graduate level History course) may be applied to any of the four distribution groups as determined by course content and with the Undergraduate Director's consent. No more than six credits of HIST 3991 will count toward the minor requirements.

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 2000-level and above 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.

HRTS/POLS 3042; POLS/HRTS 3212; HIST/HRTS 3201, 3202

Group B. Electives.

AFAM/HIST/HRTS 3563; AFAM/HRTS/SOCI 3505, 3825; ANTH 3026; ANTH/WS 3350; ANTH/HRTS 3028; AASI 3215; AASI/HIST 3531; AASI 3221/HRTS 3571/SOCI 3221; AASI 3222/HRTS 3573/SOCI 3222; ECON 2127, 2198, 3473; HIST/WS 3562; HIST 3770/AFAM 3224; HIST 3570, 3995; HIST 3575/HRTS 3221/ PRLS 3221; HRTS 3293, 3295, 3299; HRTS/POLS 3418; HRTS/SOCI 3421, 3429, 3801; HRTS/WS 3263; PHIL 2215, 3218; PHIL 2245/ECON 2126; POLS 3255; SOCI/HRTS 3831; SOCI 3503, 3701

Group C. Internship: HRTS 3245

The minor is offered by the College of Liberal Arts and Sciences. For more information, contact Richard Hiskes in the Political Science Department.

India Studies

Completion of a minimum of fifteen credits at the 2000-level or above is required, including at least two courses from Group A and at least two courses from Group B. In addition the India Studies minor requires the completion of INDS 4296 or participation in an approved, credit-bearing Study Abroad program in India. Any remaining credits can be completed in INDS courses, an additional course from Group A or B, or any independent study that focuses on India (approved by coordinator of India Studies). Also recommended are appropriate 2000-level and above courses that provide an introduction to the advanced courses. These might include PHIL 1106 and ARTH 1140. Students are strongly encouraged (although not required) to take an Indian language course in the Critical Languages program.

Group A: Core courses

AASI/HIST 3812; INDS 3210; PHIL 3263; POLS 3472/W; AASI/HRTS/SOCI 3222/3573/3222; ENGL 3318 (when taught as "India"); ART 3375

Group B: Related courses

SOCI 3701/W; POLS/WS 3216; ECON 3473/W; ARE 3255; ENGL 2301/W; AASI 3216

The minor is offered by the India Studies Program. For more information, contact Elizabeth Hanson, 486-2534.

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 2110 and CSE 2500
2. Two courses from the following (six credits)
CSE 2102, 2304, 3300, 3500, 3502, 3504, 3802, 4100, 4300, 4500, 4701, 4703, and 4705
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@enr.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, Ludmilla Burns, 486-5888, or at <http://www.oia.uconn.edu/academics.html>.

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 3255W, 3256, 3258/3258W, 3260W
- B. Two courses in History: HIST 3325, 3370, 3460, 3463, 4994W
- C. One course in Art History: ARTH 3030, 3320W, 3340W,
- D. One additional 2000-level or above course in Italian Cultural Studies or History. ILCS 3239, 3240, 3270, and 4279 may count for Group D. Students must demonstrate proficiency in Italian at a level equivalent to

ILCS 1147.

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

Italian Literary Studies

This minor requires the completion of 18 credits in 2000-level or above courses. All of the courses listed below require ILCS 1145, 1146, 1147, 1148, 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 3239 or 3240
- B. Both of the following: ILCS 3243 and 3244
- C. Two courses from the following: ILCS 3250, 3251-3252, 3253, 3254, 3259, 3261, 3262
- D. One course from the following: ILCS 3237, 3238, 3270, 4279

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 1103 is a prerequisite. At least one year of biblical or modern Hebrew is strongly recommended. A total of 15 credits from the following 2000-level or above courses is required: A minimum of six credits in Foundational Courses (Group A): HEB/JUDS 3201; HEB 3203/HIST 3418/JUDS 3203; JUDS/SOCI 3511; CAMS 3256/HEB 3218/HIST 3330/JUDS 3218; INTD 3260.

A maximum of nine credits in Topical Courses (Group B): HEB 3293, 3299; JUDS 3202, 5397; CAMS 3244; CAMS 3253/HIST 3301; HIST 3705, 3712, 3995.

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**: HORT 3710; LAND 2110, 2210

And three of the following courses: HORT 2430, 3410, 3420, 2750; LAND 2220, 3230W; TURF 3720

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Department of Plant Science.

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 2000-level or above 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 3021, 3029; HIST 3607, 3608W, 3609; POLS 3235; SPAN 3205
Students minoring in Latin American Studies must also take LAMS 4994W, 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 2000-level or above 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. For information, contact Elizabeth Mahan: elizabeth.mahan@uconn.edu.

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 2000-level or above credits with a grade C or higher.

A. Core courses:

One required course: PRLS 3210 (3 credits)

Two courses selected from PRLS course offerings (6 credits): ANTH 3041/PRLS 3241; COMM/PRLS 4320; COMM 3321/PRLS 3264/WS 3260; ENGL 3605/PRLS 3232; ENGL 3607/PRLS 3233; HIST 3575/HRTS 3221/PRLS 3221; HIST 3674 /PRLS 3220; HDFS 3442/PRLS 3250; HDFS 3268/PRLS 3251; POLS 3662/PRLS 3270; PRLS 3271, 3298-01, 3298-02; PRLS 3230/WS 3258; PRLS 3231/WS 3259;

One or two of the following research or internship courses (3-6 credits): PRLS 3211, 3299, 4212

B. Related Elective courses (if needed): 2000-level or above courses from a related discipline such as Anthropology, Communication Sciences, Economics, History, Political Science, Sociology, Spanish, or Women's Studies: ANTH 3029; ECON 2456; ENGL 3218; HIST 3609; AFAM/HIST 3620; AFAM/SOCI 3501; HDFS 3421; HRTS/SOCI 3421, 3429, POLS 3235; POLS/URBN 3632W; POLS/WS 3216; PRLS/SPAN 3265; SOCI 3503; WS 3267

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 2000-level or above course work. Required courses are:

A. Core areas of theoretical Linguistics: LING 2010Q, 3310Q, and 3510Q

B. Extensions of Linguistics: At least one other 2000-level or above Linguistics course.

C. Either a second Extensions course (B, above), or one of the following courses in related fields: ANTH 3002; CDIS 3202; PHIL 2211Q, 3241; PSYC 3500

The minor is offered by the Linguistics Department.

Marine Biology

This minor requires at least 15 credits of 2000-level or above course work.

Required courses are: MARN 3014/EEB 3230; MARN 4010*

In addition, students must take at least three of the following courses**: MARN 3012, 3013, 3016 or 3030/5032, 3015/5015, 3017/5017, 3811, 5014, 5016; EEB 4200, 4275. Students may use MARN 4893, 4895, or other MARN courses towards one or more of these electives with prior approval of the Department Head.

* Students who have taken both MARN 2002 and 3001 may substitute these for MARN 4010

** Coastal Studies majors may use only one 2000-level or above MARN elective courses to count for both the major and the Marine Biology minor.

The minor is offered by the Marine Sciences Department.

Maritime Archaeology

Maritime Archaeology is an interdisciplinary field of study, global in scope, focusing on the investigations of human interactions with the seas, lakes, and rivers through the excavation and documentation of submerged settlements and coastal facilities, wrecked vessels, lost cargoes, and human remains. The program integrates technology, such as side-scan sonar and undersea robotic vehicles, and science with traditional archaeological and historical studies. The minor introduces students to the development and application of current and future methods of exploration, research, and management of maritime heritage sites and resources. Students interested in pursuing this minor are advised to complete appropriate 1000-level courses in a number of fields as preparation for advanced

courses in their program in Maritime Archaeology. These should include some of the following courses: ANTH 1006; MARN 1002 or 1003; GEOL 1050 or 1051; GEOG 1000; HIST 1201, 1300, 1400.

Requirements for the Minor: 18 Credit hours of course work as follows: ANTH 2501, 2510

Select one course from the Science/Technology list: GEOL/MARN 3230; GEOG 2300, 4500

Select nine credits from the History/Ancient Studies/Marine Studies list: 6 credits of ANTH 3990*; HIST 2100, 3544; ANTH 3701, 3902, 3904W; 1 to 3 credits of MAST 3991* (with advance approval by advisor and MAST program coordinator)

Students may count either ANTH 3990 or MAST 3991 but not both for this category.

The minor is offered by Maritime Studies. Interested students may contact Helen Rozwadowski at Helen.Rozwadowski@uconn.edu.

Is this the correct interpretation of adding the course to the requirements?:

Materials Science and 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: MSE 2001 (or 2101), 2002, and 2053 (or 3152); 9 credits selected from MSE 3000-level courses, MSE 4000-level courses (but not more than 3 credits of independent study or directed research); BME 3700, and BME 4701; CHEG 3156.

The minor is offered by the Materials Science and Engineering Program of the Chemical, Materials, and Biomolecular Engineering Department. For more information, contact Dr. R. Ramprasad (860) 486-4102 or rampi@ims.uconn.edu.

Mathematics

The requirements for this minor are 15-18 credits of Mathematics, following one of these tracks:

Either 1. MATH 2110Q (or 2130Q or 2143Q), 2210Q (or 3210 or 2144Q), 2410Q (or 2420Q or 2144Q), and two additional courses from the following: MATH 2360Q, 3146, 3150 (or 4110), 3160, 3230 (or 4210), 3240, 3260, 3330 (or 4310), 3370, 3510, 3710, 4735 or certain sections of 3094, 3795, and 3799 approved by the department head.

or 2. MATH 2141Q, 2142Q, 2143Q and 2144Q.

The minor is offered by the Mathematics Department.

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 2000-level or higher that satisfy the following criteria.

1. The basic required course is HIST 3705.

2. In addition, students must complete five courses, spread across at least four fields, from the following list: ANTH 3038; CLCS 2214, 3201, 3203; ECON 2104 (2104W); FREN 3218; HEB/JUDS 3201; HIST 3704, 3712; HIST 3300/ANTH 3513; HIST 3301/CAMS 3253; HIST 3330/HEB 3218/CAMS 3256/JUDS 3218; INTD 3260; POLS 3447, 3462; and 2000-level or higher courses in 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 Middle East Studies Committee. For information, contact Lucy McNeece: lucy.mcneece@uconn.edu.

Molecular and Cell Biology

Students wishing to complete this minor must take at least 15 credits of 2000-level or above MCB courses, including at least one course from each of the following three groups:

A. MCB 2211, 2410, 2413, or 3617

B. MCB 2000 or 3010

C. MCB 2210 or 2610

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

Music

This minor requires a minimum of 18 credits in Music:

1. Completion of MUSI 1011 and 1012 or MUSI 1313 and 1314 if the student qualifies. (6 credits)

2. Completion of two courses chosen from MUSI 1004, 1021, 1022, 3401, 3402, 3403. (6 credits)

3. At least 6 additional credits in Music, selected from courses for which the student has the necessary prerequisites or instructor consent, except MUSI 1001, which may not be applied toward the minor. The courses selected may be in performance (except MUSI 1108 or 1109) or academic studies.*

*Private applied study (MUSI 1221, 1222, 3222) is normally not offered to non-majors. Students who wish to do so may enroll for private lessons through the University's Community School of the Arts.

The minor is offered by the Music Department.

Native American Studies

Students must complete a total of nine hours in three courses: ANTH 3026, ENGL 3210, and HIST 3570. 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.

Nanotechnology

This program is open to anyone, but is targeted primarily for Electrical Engineering/Engineering Physics-Electrical Engineering track students.

Requirements: A total of 15 credits as follows:

Group I: Required courses: ECE 4211; ENGR 4243; ECE 4244

Group II: Choose two: ECE 3223, 4242, 4095 Special Topics in Electrical and Computer Engineering (related to nanoscience/technology), 4099 Independent Study in Electrical and Computer Engineering (related to nanoscience/technology), or both ECE 4901 and 4902 Senior Design I & II (a project on a nanotechnology related topic).

The minor is offered by the Department of Electrical and Computer Engineering.

Neuroscience

The requirements for this minor are at least 15 credits of 2000-level or above courses that are structured in the following manner. Required lecture courses: All students must take both PSYC 2200 and PNB 3251. Lab requirement: Students must take at least one of the following: PSYC 3250W, 3251/W, 3252, or PNB 3263WQ. Additional courses required to satisfy the 15 credit requirement may include: PSYC 2201, 2500, 3200, 3201, 3250/W, 3251/W, 3252, 3501; PNB 3262, 3263WQ, 3276. 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 a neuroscience advisor in psychology or physiology and neurobiology and may include a lab course that was not used to fulfill the lab requirement. Up to 3 credits of independent study (PNB 3299, PSYC 3889, 3899) 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 2264 and PNB 2265 with a grade of B or better. All students are required to complete a minimum of 17 credits.

Students in this minor must pass: EKIN 4500, 4510; NUSC 2241, 4250

And two of the following courses for an additional 6 credits: EKIN 3099, 3520; NUSC 3180 or 4299

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

This minor focuses on biological, chemical, geological, and physical oceanography. Students pursuing the minor must take at least 15 credits of 2000-level and above courses, including 3 courses from Group A, and 2 additional courses from either group A or B.:

A. MARN 4010, 4030W, 4050W, 4060

B. MARN 2002, 3000, 3001, 3015, 3016, 3017, 3060, 3061

Coastal Studies majors may not choose MARN 4010. No more than 2 courses may be counted towards both this minor and the student's major.

The minor is offered by the Department of Marine Sciences. More information is available on the internet: www.marinesciences.uconn.edu, by email: marinesciences@uconn.edu, or by phone: 860-405-9152.

Ornamental Horticulture

The minor in Ornamental Horticulture provides an introduction to the production, maintenance and use of plants to enhance human environments.

All students are required to complete a minimum 15 credits including HORT 3640

6 credits from among: HORT 2430, 3410, 3420

3 credits from among: HORT 2520, 2750, 3530, 3660, 3670, 3760

3 credits from among: PLSC 3810, 3820, 3830, 3840

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Department of Plant Science.

Philosophy

A student must take at least 15 credits of philosophy, at the 2000-level or higher, including one course from at least three of the following categories:

Category I: History of Philosophy: PHIL 2221 (CAMS 3257), 2222, 3261

Category II: Metaphysics and Epistemology: PHIL 2210, 2212, 3250

Category III: Logic and Philosophy of Language: PHIL 2211Q, 3241

Category IV: Value Theory: PHIL 2215, 2217, 3218

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, optics, nuclear and particle physics, and

astrophysics. The minor requires a minimum of fifteen credits of 2000-level and above course work.

Course Requirements

A minimum of fifteen credits, of which nine are from part (a) and six are from part (b):

(a) At least one course from each of the three groups below:

Group one: PHYS 2300

Group two: Either PHYS 3103 or two additional courses: one from either PHYS 3101 or ME 3214 and one from either PHYS 3201 or ECE 3001

Group three: PHYS 3104 or both PHYS 3300 and 3401

(b) Two or more elective courses (at least six credits) from any of the PHYS 2000-level or higher courses other than the ones already taken above, with no more than three credits from each of PHYS 4094, 4096W and 4099.

The minor is offered by the Physics Department.

Physiology and Neurobiology

Students desiring this minor must take at least 15 credits of 2000-level PNB courses including fulfilling the Core requirements of either Group A or Group B, below:

Group A. PNB 2274 - 2275

Group B. PNB 2250, 3251, 3262, 3263WQ,

The minor is offered by the Physiology and Neurobiology Department.

Political Science

Students must complete an introductory 1000-level course selected from among POLS 1002, 1202, 1207, 1402, or 1602. At least one additional 1000-level course is recommended. Students must complete at least 15 credits of course work at the 2000's level (or higher, with consent of instructor and minor advisor). POLS 3991 and 3999 may not be counted toward the minor. POLS 2998 and 3995 may be counted toward the minor only with consent of the advisor. A W or Q course may be substituted for the same numbered course.

Students must complete at least 15 credits of POLS work at the 2000-level (or higher, with consent of instructor and minor advisor). Of these 15 credits, 9 credits (3 courses) must be taken from 3 of the 6 disciplinary subdivisions as they appear in the Distribution B requirement of the Political Science major described in the College of Liberal Arts and Science section of this *Catalog*. Cross-listed courses may count only once toward this distribution requirement.

The minor is offered by the Political Science Department.

Psychology

All Psychology Minors are required to take at least 15 2000-level and above psychology credits from among the following courses, which are grouped as follows:

Foundation: 2100Q or 2100WQ

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

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

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

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

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

Research: 3889, 3899, 4197W

The requirements for the Minor in Psychology are as follows:

- One Area I course
- One Area II course
- Any three additional 2000-level and above Psychology courses listed above.

No more than three credits of either PSYC 3889 or 3899 may be counted toward the minor. PSYC 3880 cannot be used. The courses composing the minor should

be selected in consultation with the student's major advisor to form a coherent program relevant to the student's academic and/or career interests and objectives.

The minor is offered by the Psychology Department.

Public Policy

This minor provides an overview of public policy processes and the design, management, and evaluation of public policies and programs. The Minor requires 15 credits at the 2000-level or above. Students interested in the Public Policy Minor are encouraged to complete PP 1001; ECON 1201 and STAT 1100Q (or equivalent).

Requirements:

a) PP 3001 and PP 3010; b) Students choose 9 credits of additional PP 2000-level or above courses in consultation with their academic advisors. URBN 2100 and PP graduate courses can be used to meet this requirement.

Prospective students should contact Robert Bifulco of Public Policy at robert.bifulco@uconn.edu.

Religion

Fifteen credits at the 2000-level or above 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 3400/W, 3401; INTD 3260; PHIL 3231; SOCI 3521

Group B. Topical Courses:

ANTH/WS 3402; ANTH/WS 3403; ARTH 3140/CAMS 3251; ARTH 3150/CAMS 3252; ARTH 3210, 3220, 3230, 3240; CAMS (Latin) 3213, 3244; CAMS 3243/HIST 3340, CAMS 3250/HIST 3335; CAMS 3253/HIST 3301, CAMS 3256/HEB 3218/HIST 3330/JUDS 3218; ENGL 3617, 3621 (when offered as *Literature & Mysticism*); HEB /JUDS 3201; HEB 3298; HDF5 3252; INTD 3999; JUDS 3202; JUDS/SOCI 3511; PHIL 3261, 3263

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 2000-level or above distributed across the following categories:

1. One required course: HIST 3471
2. Three courses distributed across three of the following four disciplines: ECON 2477; GEOG 4700; HIST 3456, 3470; POLS 3225, 3228, 3457
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 1001, 1251, or 1501 and 5 different 2000-level or above Sociology courses (totaling 15 credits), including either SOCI 3201 or 3251.

The minor is offered by the Sociology Department.

Spanish

Students wishing to complete a Minor in Spanish are expected to take at least 18 credits of 3000 and 4000-level Spanish courses. Students must earn a C (2.0) or better in each course. The requirements are:

- a) One course in composition: SPAN 3178, 3178W, 3177, or 3240W.
 b) One introductory course: SPAN 3230 (Introduction to Literary Study) or 3242 (Spanish Communicative Grammar)
 c) One from each group and one additional from any group:

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

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

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

Variable subject courses (such as 3204, 3207, 3208, 3261, 3293, 3298, 4200W) and study abroad courses may be applied to any of the three groups as determined by course content and with advisor's prior consent. A single course cannot satisfy more than one requirement from categories a, b, and c, nor can a single course be applied to more than one group of courses as described in category c. AP credits may not be counted toward the minor. A maximum of 6 credits may be used from Study Abroad (SPAN 3293).

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 1165 is a prerequisite for courses listed below.

Required courses (7 credits to be completed by all students): NUSC 2200, 2241, and 4250

Elective courses (choose 2 of the following for a total of 6 credits.):* NUSC 3180, 3267, 4236, 4299, or EKIN 3099

*Students can elect to take 3 credits of either NUSC 3180 or 4299. 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 2000-level or above. Students must choose one of two options:

Track I. STAT 2215Q, 3115Q, 3375Q, 3445Q, plus one course from the *Optional List* below.

Track II. STAT 2215Q, 3025Q, 3115Q, plus two courses from the *Optional List* below.

Optional List: STAT 3515Q, 3675Q, 3965, 4475, 4525, 4625, 4825, and 4875.

Students who have passed MATH 1122Q or 1132Q and also MATH 2110Q or 2130Q are strongly advised to take Track I. Students who have passed only MATH 1122Q, 1132Q, or 1152Q should take Track II.

The minor is offered by the Statistics Department.

Theatre Production

Requirements. For students seeking this minor:

1. Completion of DRAM 1102 and 1207 (one section)
2. Completion of 12 credits of 3000-4000 level course work from the following: DRAM 3103, *3199, 3201, 3202, 3205, 3206, 3207, 3209, 3220, 3231, 3232, 3301, 3302, 3401, 3402, 3501, 3502

*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 2130 and 2131

2. Completion of 12 credits of 3000-4000 level course work from the following: DRAM 3130, 3131, 3138, 3141, 3611, 4135

The minor is offered by the Dramatic Arts Department.

Therapeutic Horsemanship Education

This minor provides students with an opportunity to pursue an interest in therapeutic riding programs, and provides a basis for further study and certification as a therapeutic riding instructor or director.

The requirements for this minor are at least 16 credits of coursework. The student must complete all of the following courses: ANSC 3453 or 1 semester of Horse Practicum; ANSC 2251, 3456, 3691, 4457.

The student must also complete a minimum of 8 credits of coursework by choosing from the following courses: ARE 3215, 4217; PNB 2264/2265 OR PNB 2274/2275; HDFS 2100, 2200; BADM 3740.

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

This minor is offered by the Animal Science Department.

Turfgrass Management

The minor in Turfgrass Management provides an introduction to the management and maintenance of turfgrasses used for aesthetics (residential and commercial lawns, parks, institutional grounds), recreation (golf courses, athletic and sports fields), and functional purposes (sod farms, highway medians, inland and coastal erosion control sites, conservation). This minor will also assist those interested in sales, marketing, or any other business aspects of industries associated with turfgrass and ornamental horticulture.

All students are required to complete a minimum of 16 credits including:

TURF 1100, 3200/3200W, 3800; SOIL 2120

And any two of the following: TURF 3100, 3300, 3400, 3720; SOIL 3520

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Department of Plant Science.

Urban and Community Studies

The minor in Urban and Community Studies is an interdisciplinary minor with a focus on educating citizens on the multiple dimensions of urban and community life and preparing students for careers in public and community service. While available with any undergraduate major, this minor provides an especially appropriate complement to majors in the social sciences, as well as professional schools that emphasize human services such as Human Development and Family Studies or Education.

The minor requires passing 15 credits at the 2000 or above level as follows:

1. URBN 2000
2. Two of the following with no more than one per department (Cross-listed courses count towards the non-URBN department): ECON 2439, 2456; GEOG/URBN 3200; GEOG 4210; HIST/URBN 3541; HIST 3554, 3564; POLS 3842 or PP 3031; POLS/URBN 3632W; PP 4034; SOCI 3901/URBN 3275; SOCI 3425, 3911; URBN 3000.
3. Two additional courses selected from group 2 or the following list: AFAM/HIST 3568; AFAM/HIST/HRTS 3563; AFAM/POLS 3642; ECON 2431, 3431; ECON/URBN 3439; GEOG 4200W, 4500; HIST 3530; HIST 3674/PRLS 3220; HDFS 2001, 3510, 3530; HDFS 3240/SOCI 3459; INTD 3584; POLS 2622, 3847; POLS 3662/PRLS 3270; PP 3001, 4033; SOCI 3907; SOCI 3903/URBN 3276; URBN 3995, 3998, 4000, 4999; URBN 3981 or INTD 3594.

Students interested in pursuing a minor in Urban and Community Studies are advised to complete 1000-level courses in the social sciences, which are prerequisites for courses in Urban and Community Studies. These include, but

are not limited to GEOG /URBN 1200; ECON 1201; POLS 1602; SOCI 1001, 1251; and STAT 1000Q/1100Q. They should also plan on enrolling in URBN 2000 as soon as possible.

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

Wildlife Conservation

This minor provides students with a basic understanding of wildlife resources management. Students will be required to complete at least 18 credits that include a common core for all students and a selection of courses based on a specific area of interest. Any student but Natural Resources majors can graduate with this minor.

Students will be required to complete NRME 2315 and 3335 and twelve or more credits from the following courses: NRME 2000, 2415, 3105, 3201, 3205, 3305 (EEB 3307), 3345, 3355, 3365, 4335, or 4455

At least 12 of the credits taken to satisfy the minor must be from courses that are not required for the student's major or other minors within the College of Agriculture and Natural Resources.

Students must earn a combined grade point average of 2.5 or higher for all courses listed above.

The minor is offered by the Department of Natural Resources Management and Engineering.

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 1000-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.