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. Unless a higher standard is noted in the description of a specific minor program, 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 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: AFRA/ANTH 3025; AFRA/HIST 3753; AFRA/POLS 3252

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 4305; ANTH 3512; ARTH 3760; ECON 3473; AFRA/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 Individualized and Interdisciplinary Studies Program, Rowe 403. For information, contact iisp@uconn.edu or 860-486-3631.

Africana Studies

Taking as its central mission the study of peoples of African descent on the continent and in the diaspora, the Africana Studies minor seeks a nuanced and interdisciplinary understanding of the human experience. The Africana Studies minor does so through the humanities, arts, and social sciences, with particular emphasis on continuities and discontinuities across geography and time. Its broad educational objectives are to engender among all students an intellectual appreciation of black lives and their saliency for all human experience; to deepen students’ critical analytic skills; and to value social equality, democracy, and humanitarianism. The Africana Studies minor strives to provide students with substantive knowledge of the black world and its linkages to national as well as pre-, sub-, supra-, and transnational processes. Students play an active role in Africana Studies Institute’s mission to facilitate respect and positive intersocial relationships within the university community.

The requirements include 15 credit hours selected from the following:

a. AFRA 3211
b. One course each from groups A, B, and C
c. One additional course from any of groups A, B, or C; or AFRA 3295; or 3898

Group A - History

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

Group B - Social and Political Inquiry

AFRA/ANTH 3025, 3152; AFRA/HRTS/SOCI 3505, 3825; AFRA/POLS 3252, 3642, 3647; AFRA/POLS/WGSS 3652; AFRA/PSYC 3106; AFRA/SOCI 3501; AFRA 3033/POLS 3633/PP 3033

Group C - Literature and the Arts

AFRA 4994W; AFRA/ENGL 3214W, 3216W; AFRA/FINA 1100; AFRA/DRAM 3131W; MUSI 3611

The minor is administered by the Africana Studies Institute. For information, contact Dr. William Jelani Cobb at william.cobb@uconn.edu.

Agribusiness Management

The minor will provide an overview of marketing, management, and financial principles and concepts in agribusiness. Analytical and applied decision-making skills are emphasized. All students are required to complete 15 credits from the following courses: ARE 3210, 3215, 3221, 3222, 3225, 3260, 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.

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 Marketing and Business Management.

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

Agricultural Biotechnology

The interdepartmental minor provides students with an in-depth, multidisciplinary education in the 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: 5 credits from PLSC 3230 or PLSC 3210, and AH 3020

Group B - Laboratory Modules - 3 credits from: PLSC 3250; ANSC 3621; AH/PVS 3501

Group C - 6 credits from: ANSC 3121, 3122, 3233, 5623; DGS 3226, 4234, 4235, 4246; HORT 4650; NUSC 4236, 6313; PLSC 3240, 3990, 4210, 4215, 5298; PVS 3100, 5502, 5503

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

The minor is offered by the College of Agriculture, Health and Natural Resources.

American Sign Language

This interdisciplinary minor provides students with current information about ASL and the people for whom it is a primary language, the Deaf community in the U.S.

Prerequisite: ASLN 1101 and 1102 or equivalent are required but do not count toward the total credits required for the minor.

A total of 15 credits (five 3-credit courses) of 2000-level or above coursework is required.

Group A. Core courses (all of the following): LING 2850, ASLN/WGSS 3254, ASLN 3650, LING 3850

Group B. Related course (one of the following): ASLN 3298, appropriate offerings of LING 3795/3798 (e.g., Sign Linguistics), other related courses, or a relevant Independent Study. The course must be approved by the American Sign Language Studies minor advisor.

The minor is offered by the Literatures, Cultures and Languages Department.

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 Europe-
ans, 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: AMST/ENGL/HIST 1201; AMST/ENGL 3265W; ENGL 2201, ENGL 2203, or ARTH 3440
- One approved 2000-level or above history course approved by the American Studies Director.
- 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.

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 ensure 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 Veronica Makowsky, Director, 860-486-2477.

**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, 1111, 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, Health and Natural Resources.

Students must earn a combined grade point average of 2.5 or greater 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.

**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 2000-3000 level credits in Art History drawn from the following three categories:

**Group A: Ancient, Medieval, or Renaissance Art**
ARDH 3140/CAMS 3251, 3150/CAMS 3252, 3210, 3220, 3230, 3240, 3260, 3320, 3330, 3340, 3360, 3610*, 3620*

**Group B: Art from the 19th century to the present**
ARDH 3020/W, 3035, 3050*, 3430, 3440, 3445, 3450, 3460, 3510, 3520, 3530, 3560, 3570, 3575, 3630*, 3640*, 3645*

**Group C: Art from global perspectives**
ARDH 3015/W, 3050*, 3500, 3610*, 3620*, 3630*, 3640*, 3645*, 3715/ ANTH 3451, 3720, 3730, 3740, 3745, 3760

Students interested in this minor should arrange for a meeting 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. ARDH 2198, 2993, 3993 and 3995 (variable topics) 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 these 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.

Completion of the minor requires students to complete fifteen credits at the 2000-level and above by completion of Groups A, B, and C below; but with consent of the minor advisor, one course from Group D may be substituted for a course in Group C. No other substitutions are permitted. A maximum of 3 credits towards the minor may be transfer credits of courses equivalent to University of Connecticut courses.

- **Group A**, three credits: AASI 3201.
- **Group B**, six credits chosen from: AASI 3220/ARTH 3020; AASI/ENGL 3212; AASI/HIST 3531, AASI 3578/HIST 3530, AASI 3221/HRTS 3571/SOCI 3221; AASI 3295*, 4999*, 3998*.
- **Group C**, six credits chosen from AASI/ART/INDS 3375; AASI 3222/HRTS 3573/SOCI 3222; AASI/HIST 3808, 3809, 3812; HIST 3822, 3832, 3863; POLS 3472; AASI 3295*, 4999*, 3998*.
- **Group D**, AFRA/ENGL 3214W; AFRA/HIST/HRTS 3563; ANTH 3041/LLAS 3241; AFRA/HRTS/SOCI 3505, 3825; COMM/LLAS 4320; AFRA/DRAM 3131; AFRA/HIST 3564; HIST/WGSS 3562; LLAS 3998*.

* Must be approved by the Asian American Studies Minor Advisor

This minor is offered by the Asian American Studies Minor Advisor, Director, Asian and Asian American Studies Institute, Beach Hall, Room 417. For more information, e-mail Cathy Schlund-Vials at cathy.schlund-vials@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**
M CB 3421; M CB 5472/EEB 5372; EEB 5348, 5462; CSE 2102, 2300W, 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**
M CB 2000, 3010, 3421, 4009, 5011

**Group D: Genetics**
M CB 2410, 3201, 3412, 3617, EEB 5348

M CB 3899, CSE 4095, and CSE 4099 can be counted towards the 15 credits 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 Mandou at ion@engr.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 and higher 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, 2400, 2410, 2610, or 3010.
B. EEB 2244/W or 2245/W.
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 and cannot be earned by students majoring in any of these departments.

**Biomedical Engineering**

Biomedical engineering involves learning about biology in new ways and developing new tools to diagnose and treat disease and to repair or replace diseased organs. Many students select biomedical engineering to be of service to people and for the excitement of working in a health field. Additionally, biomedical engineering provides excellent preparation for entrance into medical school.

Requirements: The following five courses are necessary to fulfill requirements of the minor:

- BME 2101, 3500, 3600W, 3700
- One course from the following list: BME 3810, 4300, 4500, 4600, 4701, 4710, 4800

The minor is offered by the School of Engineering. For the Biomedical Engineering minor, contact Dr. Don Peterson at peterson@engr.uconn.edu.

**Business**

Students majoring in the School of Business may not earn this minor. This minor is available only to students who entered their junior year prior to Fall 2011. Students who are not majors in the School of Business are restricted to no more than 24 credits of coursework offered by the School of Business.

Requirements: To receive a minor in Business, a student must complete five (5) 3 credit, 3000-4000 level courses offered by the School of Business. ACCT 2101 (or BADM 2710) may be counted in place of one 3000-4000 level course and is the only 2000-level course which may count toward the minor.

Credits from internships cannot be used to satisfy requirements. No more than three of these credits may be from any transfer or Education Abroad credits earned. With approval, one 4 credit transfer course may be used.

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 Business Fundamentals minor, but students will typically require departmental permission to register for those classes. Students should also note that they must meet all prerequisites for those classes. Access to courses for this minor is on a space available basis, and the School of Business cannot guarantee completion of this minor.

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. Permission number requests for these courses can be found at undergrad.business.uconn.edu.

**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.

**Chinese**

This minor requires a minimum of 15 credits of Chinese courses at the 2000-level or above. The requirements are:

A. One required course: CHIN 3250W
B. Two language courses from the following: CHIN 3210, 3211, 3220, 3240, 3260
C. Two content courses from the following: CHIN 3220, 3230, 3260, 3270, 3271, 3282

With the advisor’s consent, any of the above courses may be replaced by an appropriate course from study abroad programs. AP credits may not be counted toward the minor. Up to 6 credits taken in study abroad programs may count toward the minor.

The minor is offered by the Literatures, Cultures and Languages 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. At least two courses on Classical or Biblical literature: courses in English: CAMS 3241W, 3242W; INTD 3260; CAMS 3207, 3208, 3211, 3212, 3213, 3214, 3221, 3224, 3225, 3226, 3227, 3293*, 3295*, 3298*, 3299*; courses involving reading in Greek and/or Latin: CAMS 3101, 3102, 3222, 3293*, 3298*, 3299*

B. At least one course dealing with the ancient world more generally: CAMS 3243, 3244, 3245, 3250, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3293*, 3295*, 3298*, 3299* (These may be cross-listed under Art History, History, Hebrew and Judaic Studies, and Philosophy.; HEJS 3201)

*May count toward minor only with consent of advisor.

The minor is offered by the Literatures, Cultures, and Languages Department.
Cognitive Science
Cognitive Science is the interdisciplinary study of mind and intelligence, bringing together course content from Psychology; Linguistics; Artificial Intelligence; Anthropology; Speech, Language and Hearing Sciences; 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 two courses may be counted from any one department.

A. Cognition: ANTH 3250; CSE 4705; PHIL 3247/W, 3248/W, 3250/W, PSYC 2500, 2501
B. Language: ANTH 3002 or LING 3610W, LING 2010Q; PHIL 3241; PSYC 3500
C. Perception: PHIL 3256/W; PSYC 3501, 3502
D. Development: PSYC 2400; PSYC 3470/W or SLHS 2204; SLHS 4254/W
E. Neuroscience: PHIL 3249/W; PNB 3251; PSYC 2200; SLHS 4245/W
F. Formal Systems: CSE 2500, 3502; LING 3310Q, 3410Q, 3511Q; PHIL 2211Q, 3214

The minor is offered by the College of Liberal Arts and Sciences. For the Cognitive Science minor, contact Prof. Jon Gajewski, Director of Undergraduate Studies in Cognitive Science, Oak Hall, Room 351.

Communication
Students wishing to complete this minor must take at least 15 2000-level or above credits in COMM courses, these 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. Students are encouraged to take all three core courses.
3. Only one course (3 credits) can be an Applied course from the following list: COMM 4800, 4820, 4940, 4992, 4991. Students are not required to have any applied courses and are allowed to take any of the Communication Theory courses to fulfill the minor requirement.
4. The Communication Advisor’s permission is needed for COMM 4995, 4998. These courses are not required.

Students in this program do not receive priority registration for Communication courses. The minor is offered by the Communication Department. The Minor Plan of Study form is available in the Arjona Building, Room 245 or from the department website: communication.uconn.edu

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

Required courses are: CSE 2100 and CSE 2500.
The minor is open to students majoring in Computer Science and Engineering, Computer Science, or Computer Engineering. The minor is offered by the Computer Science and Engineering Department. For more information, contact Robert McCartney in the Computer Science and Engineering 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 comprising 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/WGSS 2263; PHIL 3226; 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); SOCI/WGSS 3317/W.

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); a combination of two credits of SOCI 3990 with an associated one credit of SOCI 3991; PSYC 3880; a combination of two credits of URBN 3991 with an associated one credit of URBN 3981; 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 isp.uconn.edu. For further information, students may contact the Criminal Justice Advisor in their major field or Dr. Monica van Beusekom, Individualized and Interdisciplinary Studies Program, isp@uconn.edu.

Criminal Justice Advisors: Sarah Scheidel@uconn.edu (Psychology); Steven Wisensale, Steven.Wisensale@uconn.edu (Human Development and Family Studies); Bradley Wright, Bradley.Wright@uconn.edu (Sociology); Edith Barrett, Edith.Barrett@uconn.edu (Urban and Community Studies; Greater Hartford Campus); Elizabeth Fehr, Elizabeth.Fehr@uconn.edu (Political Science); and Monica van Beusekom, Monica.Vanbeusekom@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, Health 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.

Digital Arts
This 15-credit interdepartmental minor provides students with an interdisciplinary education in the field of digital arts. Students in this minor must complete FINA 3510 and 12 additional credits at the 2000 level or above (a minimum of 6 credits must be at the 3000 level or higher). No more than 6 credits may be taken from any one academic department.

Courses to be selected from the following:

• ART 2011, 2410, 3130, 3131, 3132, 3410;
• ARTTH 3570;
• DMD 2010, 2200, 2300, 2500;
• DRAM 3220, 4705, 5511, 5316;
• MUSI 3341, 3777.

A maximum of 6 credits of ART 3995, 3999; DDM 3099; DRAM 3199, 4194; or MUSI 3982, 4995, 4999 may be used to fulfill requirements of the minor, but only with the written pre-approval of the coordinator of the minor.

The minor is offered by the School of Fine Arts.

Digital Marketing and Analytics
The minor is designed to offer a basic understanding of digital marketing and analytics topics.

Requirements: Five (5) 3-credit courses are required for this minor. Students must complete the following:

The following three courses: BADM 3750 (or MKTG 3101); BADM 3665 (or MKTG 3665); BADM 3661 (or MKTG 3661).
Digital Media

This minor provides students with an in-depth exposure to many aspects of the digital media space including history and culture, creative development and media practices.

Students majorsing in the School of Fine Arts, Digital Media and Design program may not earn this minor. Students who are not majors in the School of Fine Arts and/or the Digital Media and Design Department are restricted to no more than 24 credits of coursework offered by the School of Business.

Requirements: Five 3-credit courses are required for the Minor as follows:

Students must complete the following three courses: DMD 2010, 2200, and 2700.

Section 1: Students must choose one from the following: DMD 2710, 2300, or 2500. Note: Section 1 requirements must be completed prior to moving to Section 2 courses.

Section 2: Students must choose one from the following: DMD 2530, 3040, 3200, 3205, 3305, 3300, 3560. Credits from transfer courses, Study Abroad, and internships cannot be used to satisfy requirements of the minor.

Prerequisites for required courses for the Digital Media minor include: DMD 1000, 1030 and 1070. By faculty consent, students may place out of a prerequisite course if they can demonstrate competency in the areas in which these courses are focused.

Courses designed for students pursuing a Digital Media minor can be found in the DMD course description section of the Catalog. Students should also note that they must meet all prerequisites for those classes. Access to courses for this minor is on a space available basis, and the School of Fine Arts and/or the Digital Media and Design Department cannot guarantee completion of this minor.

The minor is offered by the Digital Media and Design 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 1601/W, HIST 1203, PHIL 1107, PSYC 1100 and 1101/1103, WGSS 1104, and WGSS 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.)

One required three-credit course: INTD 2245

A. 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 remaining twelve credits, students must take four courses which must include at least one from each of the following categories:
   1. Gender, Physicality, and Sexual Identities: DRAM 3130; ENGL 3609, 3613; HDFS 1001, 3261; POLS/WGSS 3052; LLAS 3231/ WGSS 3259; LLAS 3251/HDFS 3268; PSYC 3102/WGSS 3102/W; SOCI 3221/AASI 3221/HRTS 3571; SOCI/WGSS 3453, 3621/W; SOCI 3601/W; WGSS 2267, 3252, 3269
   2. Ethnicity, Culture, and Race: AASI 3201; AASI/ENGL 3212; AFRA/DRAM 3131/W; ENGL 3605/LLAS 3232; ENGL 3607/ LLAS 3233; ENGL 3210; ENGL/AFRA 3216W, ENGL 3218W; HDFS 3511; LLAS 3210; LLAS 3230/WGSS 3258; PSYC/AFRA 3106/W; PSYC 2101, 2701; SOCI/AFRA/HRTS 3505, 3825; SOCI/AFRA 3501; SOCI 3501/W; SOCI 3503/W, 3511W
   3. History and Politics: HIST/WGSS 3562, HIST 3570; HIST/AFRA/ HRTS/3563/HIST/AFRA 3564; HIST/AFRA 3674; LLAS 3230; HIST 3575/LLAS 3231/HRTS 3221; HIST 3530/AASI 3578; POLS/AFRA/WGSS 3652; POLS/AFRA 3642; POLS 3662/ LLAS 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.

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.

Electronics and Systems

This minor requires at least 15 credits of course work. The minor is not open to students who are pursuing majors in electrical engineering, computer engineering, or engineering physics.

Course requirements are as follows:

A. ECE 2001W
B. ECE 3101 or BME 3400

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C. 3 additional 2000-level or above ECE courses

The minor is offered by the School of Engineering. For information about the Electronics and Systems minor, contact John Chandy at john.chandy@uconn.edu.

Engineering Management - Business

Students majoring in the School of Business may not earn this minor. Students may only earn one minor offered by the School of Business. Students who are not majors in the School of Business are restricted to no more than 24 credits of coursework offered by the School of Business.

All students enrolled in this program are required to complete the following core courses: MEM 2221 or BADM 3761; OPIM 3801; MEM 2211 or 3221.

Beyond these, students must complete two additional business courses (covering topics such as accounting, financial management, information systems, and entrepreneurship) from the following list:

- BADM 2710, 3730, 3750;
- Either BADM 3760 or OPIM 3103 but not both;
- BADM 3741, 3742;
- OPIM 4895 Special Topics (3 credits);
- MEM 3221 (if not used to satisfy core requirements).

The minor is offered jointly by the School of Business and the School of Engineering.

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 15 credits from the following courses:

- ARE 3235, 3260, 3434, 3436, 3437, 4305, 4438, 4444, 4462, 4464; ECON 2467; NRE 3245 or any other 3000-level or above ARE course if approved by the Minor Advisor.

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.

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:

1. An approved Plan of Study and ENVE/CE 2310, ENVE 3220/CE 3320, ENVE 3230, 4310.
2. Six elective credits chosen as follows:
   a. Three credits each from two different areas of approved Professional Requirements for the B.S. in Environmental Engineering; or
   b. Six credits chosen from ENVE 3200, 3270, 4210, 4320; or
   c. Three credits chosen from ENVE 3200, 3270, 4210, 4320 and three credits from approved Professional Requirements for the B.S. in Environmental Engineering.

The minor is offered by the Environmental Engineering Program.

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.
European Studies

This minor focuses on western, central, and Eastern Europe as well as Russia and enables students to pursue an interest in the social, historical, political, and cultural dimensions of this region.

Students electing this minor must complete a minimum of 15 credits of coursework from the European Studies minor list, of which 3 credits may be at the 1000 level and the remaining must be at the 2000-level or higher. Courses must be drawn from at least three of the following departments: Art History; Economics; English; Geography; History; Literatures, Cultures, and Languages (including CAMS, CLCS, FREN, GERM, ILCS, and SPAN); Music; and Political Science. Students are strongly encouraged to take HIST 2402. Education Abroad courses, special topics courses, and variable topics courses may count towards the minor when these focus on Europe or Russia.

Three credits of independent study may be included when the independent study is focused on Europe or Russia. Students should select the courses in the minor in close consultation with a European studies minor advisor.

In addition to completing the required coursework, European Studies minors must meet one of four tools and experience requirements:

1. Participation in an approved Education Abroad program that includes at least six weeks residence in Europe or Russia.
2. Completion of six credits of coursework at any level in a European language other than English.
3. Completion of an internship (with or without pay) of at least six weeks duration with an organization in Europe or Russia or an internship with a strong European or Russian component in an organization in the United States.
4. A combination of an approved Education Abroad program that includes three weeks residence in Europe or Russia and three credits of coursework at any level in a European language other than English.

This minor is administered by the Individualized and Interdisciplinary Studies Program located in Rowe 403. For more information, including contact information for European Studies minor advisors visit isp.uconn.edu or call IISP at (860) 486-3631.

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: CLCS 3211; DRAM 4151; FREN 3223 (taught in either English or French), 3226 (taught in English); GERM 3261W (taught in German), 3264W (taught in English); ILCS 3259 (taught in either English or Italian); 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; CLCS 3201; CAMS 3245; COMM/LLAS 4320; ENGL 3261; ILCS 3258/W; LLAS 3575; POLS 3426; WGSS 3217.

This interdisciplinary minor is offered by the Literatures, Cultures and Languages Department.

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 and NUSC 3233. Also, students need to complete additional courses from the following to meet the 15 credit total minimum requirement: ANSC/NUSC 1645; ANSC 4642, 5641; ARE 1150; NUSC 1165, 1167, 3234.

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 Sciences Department.

French

The French minor consists of a minimum of 6 courses (18 semester credit hours) at the 3200-level in French:

A) Language: 6 credits from FREN 3268 or 3269, 3250, 3251, 3257.
B) French and Francophone Culture: 6 credits from FREN 3210, 3211, 3215 or 3216, 3217, 3218, 3224, 3273.
C) French Literary Studies: 6 credits from FREN 3261W and/or 3262W, 3223, 3220, 3221, 3222, 3230, 3231, 3232, 3234, 3235, 3272, 3280.

Study abroad in our Paris program is highly recommended (students studying in Paris may earn up to 9 credits towards the French Minor).

Any of the Minor courses may be replaced by the appropriate FREN 3293 from Paris.

Students must demonstrate proficiency in French at a level equivalent to FREN 1164.

The minor is offered by the Literatures, Cultures and 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 2500 and 2505
2. One of the following: GEOG 3500Q, 3510
3. One of the following: ECON 2326; GEOG 2510, 3110, 4230, 4520, 4530, GEOG/MARN 3505; MATH 3710; STAT 2215Q

Geography majors may not use any 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, 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.
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 select substitute 3-credit Linkage Through Language courses in German for one of the following 3-credit courses: GERM 3253W, 3254W, 3255W, 3261W, 3265, 3293, 3294, 3295
3. **Courses in English.** Students must choose one of the following: GERM 3251, 3258, 3264W

The minor is offered by the Literatures, Culture and 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. Students should contact the Department of Human Development and Family Studies.

Global Arts and Culture

Global Arts and Culture is an interdisciplinary program designed for those who wish to broaden their scope of knowledge about global arts in social, cultural, religious and political contexts. Through coursework, immersion in the arts and fieldwork experience students will develop specific expertise in the study, teaching, performance and documentation of global arts and culture. A total of 18 credits are required, 12 of which must be 2000-level or above coursework.

- **Core:** AFRA/FINA 1100 and CLCS 2201
- **Arts Immersion:** three credits in any combination from FINA 1001/MUSI 1001; FINA 2001; MUSI 1107, 1114
- **Two courses from two different departments:** AFRA 3152/ANTH 3152; ARTH 3715/ANTH 3451; ANTH 3029; AASI3220/ARTH 3020/3020W; ARTH 3630/W; ARTH3640/W; ARTH 3645/W; ARTH 3760; AFRA 3131/DRAM 3131/W; DRAM/HRTS 3139; AFRA/HIST 3620; MUSI 3421/W

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 or above are required; at least three credits from Group A (Institutions and Laws or History, Philosophy, and Theory) and three credits from Group B (Applications and Methods); no more than six credits from Group C (Electives); and three credits from Group D (Internship). No more than six credits taken in any one department may be applied to this minor.

Group A.

Institutions and Laws
HIST/HTRS 3202; HTRS 3200, 3420; POLS/HTRS 3212; SOCI/HTRS 3831

History Philosophy and Theory
HIST/HTRS 3201, 3207; POLS/HTRS 3042; ENGL/HTRS 3631; PHIL/HTRS 3220

Group B. Applications and Methods
DRAM/HTRS 3139; HTRS 3149/W, 3250; POLS/HTRS 3256/W, 3428, 3430; SOCI/HTRS 3835, 3837

Group C. Electives
ANTH/HTRS 3028/W, 3153W; ANTH 3150/W; ANTH/WGSS 3350; ARTH/HTRS 3575; ECON 2126, 2127/W, 3473/W; ENGL/HTRS 3619; ENGL 3629; HIST/AASI 3531; HIST/WGSS 3562; HISTR/HTRS/AFRA 3563; HIIST 3100W, 3570; any HTR/HRTS course numbered 2000 or above; LLAS/HTRS 3221/HIST 3575; PHIL/HTRS 2170W, 3219; PHIL 2215, 3218; POLS/HTRS 3418/W; POLS 3255, 3807; POLS/ENGR/HTRS 3209; SOCI/AASI 3221/HISTS 3571; SOCI/AASI 3222/HTRS 3573; SOCI/HTRS 3421/W, 3429/W, 3801/W; SOCI 3503/W; SOCI/HTRS/AFRA 3505, 3825; WGSS/HTRS 2263

Group D. Internship
HTRS 4291

The minor is offered by the College of Liberal Arts and Sciences. For more information, contact Samuel Martinez in the Anthropology Department.

India Studies

Completion of a minimum of fifteen credits at the 2000-level or above is required, including at least 3 courses from Group A. Any remaining credits can be completed in Group B courses; IND courses, including those in Group A; or any independent study that focuses on India (approved by coordinator of India Studies). In addition the India Studies minor requires one of the following:

1. The completion of INDS 4296 (thesis) or
2. The completion of any thesis focusing on India and approved by the coordinator of India Studies
3. Participation in an approved, credit-bearing Education Abroad program in India
4. An approved independent study which is completed in India

Also recommended are appropriate courses that provide an introduction to the advanced courses, such as PHIL 1106. 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; AASI/SOCI 3222/HTRS 3573; ART/AASI/INDS 3375; ENGL 3320, 4301W (when offered with South Asia as topic and approved by India Studies Advisor); INDS 3210; PHIL 3263; POLS 3472/W

Group B: Related courses
ARE 4305; ENGL 2301/W; ECON 3473/W; POLS/WGSS 3216; SOCI 3701/W

The minor is offered by the Asian and Asian American Studies Institute. For more information, contact Betty Hanson, betty.hanson@uconn.edu, (860) 604-1970, or Cathy Schlund Vials, (860) 486-9412.

Information Assurance

The minor is designed to offer a basic understanding of computer security and information assurance to support the increased demand for information security professionals.

Requirements:

Group I. Required courses (6 credits):
1. CSE 4707
2. OPIM 3777

Group II. Three courses from the following (totaling at least 9 credits)
1. OPIM 3222
2. ECE 4451
3. Special Topics courses (if related to information assurance): CSE 4095, ECE 4095, OPIM 4895
4. Independent Study courses (if related to information assurance): CSE 4099, ECE 4079, ECE 4099, OPIM 4899
5. Senior/design/thesis courses (if related to information assurance): CSE 4905, CSE 4951, ECE 4901, ECE 4902, OPIM 4997

Students in any major may earn this minor. However, students who are not majors in the School of Business may earn one minor offered by the School of Business. Students who are not majors in the School of Business are restricted to no more than 24 credits of coursework offered by the School of Business. At the most, two OPIM courses taken toward the Information Assurance minor can be counted toward the Business major. OPIM 4895 and OPIM 4899 must be taken for 3 or more credits each if any of those courses are used toward the Information Assurance minor.

The minor is jointly offered by the Department of Operations and Information Management, School of Business and by the Departments of Electrical and Computer Engineering and Computer Science and Engineering, School of Engineering. For the Information Assurance minor, contact John Chandy (john.chandy@uconn.edu), Steven Demurjian (steve@engr.uconn.edu), or Manuel Nunez (manuel.nunez@uconn.edu) for more information.

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@engr.uconn.edu.

Integrated Pest Management

This minor provides an introduction to fundamentals of plant health and integrated pest management in agronomy, horticulture and turfgrass systems.

Requirements:

- PLSC 3840; and
- Three of the following: PLSC 3810, 3820, 3830; TURF 3800

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

The minor is offered by College of Agriculture, Health and Natural Resources.

International Studies

This interdisciplinary minor enables students, regardless of their fields of concentration, to develop a broad understanding of the rapidly changing global environment. Students must complete 15-18 credits of course work, primarily at the 3000- and 4000-level, which focus on global issues and/or countries other than the United States from the 19th century to the present. No more than 3 independent study credits may be counted toward the minor, and only 2 courses (6 credits) taken to earn the minor may be double counted with the courses of the student’s major(s).

Students must complete at least 1 course from 3 of the following 4 core areas:
1. International Politics and History (generally, courses in Political Science and/or History)
2. Global Economy (generally, courses in Economics, Business, and/or Agricultural and Resource Economics)
3. Global Society and Culture (generally, courses in Sociology and Anthropology)
4. International Dimensions of the Arts and Humanities (generally, courses in Art History, Literature, and/or Philosophy)

In addition to completing the required course work, International Studies minors must meet 1 of 3 tools and experience requirements:

1. Advanced intermediate competence in a modern language other than English, which may be accomplished through regular course work (i.e., advanced work equivalent to 2 courses at the 3000-level or above with grades of C or better) taken at UConn or in an approved Education Abroad program, or via an examination administered by the Department of Literatures, Cultures, and Languages;
2. Participation in an approved Education Abroad program that includes at least six weeks residence in a country other than the United States;
3. Completion of an international internship (with or without pay) of at least six weeks duration with an organization in another country or an internship with a strong international component in an organization in the United States.

For further information on the requirements for the International Studies minor, contact the Individualized and Interdisciplinary Studies Program, Rowe 403, (860) 486-3631, isp@uconn.edu, http://isp.uconn.edu.

Italian Cultural Studies

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

A. Three courses in Italian Literature and/or Cinema in English: ILCS 3255W, 3256, 3258/3258W, 3260W. ILCS 3239, 3240, 3247, and 4279 may also count.
B. Three courses to be chosen from the following: HIST 3325, 3370, 3460, 3463, 4994W; or ARTH 33020W or 3340W

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

The minor is offered by the Literatures, Cultures and 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 these language courses do not count toward the minor.

Students must complete a minimum of 5 courses (the equivalent of 18 credits) to be chosen among the following: ILCS 3237, 3238, 3239, 3240, 3243, 3244, 3245, 3246, 3247, 3250, 3251-3252, 3253, 3254, 3259, 3261, 3262, 3270, 4279.

The minor is offered by the Literatures, Cultures and 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

HEJS 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): HEJS 3201; HEJS 3203/HIST 3418; HEJS 3511; CAMS 3256/HEJS 3218/HIST 3330; INTD 3260.
- A maximum of nine credits in Topical Courses (Group B): HEJS 3202, 3209, 3295, 3299, 5397; CAMS 3244; CAMS 3253/HIST 3301; HIST 3095, 3705, 3712.

The minor is offered by the Literatures, Cultures and Languages Department.

Latin American Studies

The interdisciplinary minor in Latin American Studies offers a basic understanding of the peoples and cultures of Latin America and the Caribbean, their history and contemporary economic, social, and political problems, and the region’s relations with the United States.

The minor consists of a minimum of 15 credit hours of course work selected from at least three disciplines from the courses below.

- LLAS 2011W, 2995, 3998, 3999, 4994W; ANTH 3021, 3029, 3042, 3150, 3152; ANTH/LLAS 3241, ARTH 3610, 3620, 3630, 3640, 3645; GEOG 4710; HIST 3610, 3620, 3621, 4994W; HIST/LLAS 3607, 3608W, 3609, 3635, 3660W; POLS 3218, 3235, 3237; POLS 3834/LLAS 3271; SPAN 3201, 3205, 3214, 3233, 3234, 3250, 3251, 3266; SPAN/LLAS 3265

Language Requirement (credits do not apply to minor’s 15 credit minimum)

- One 2000-level or above language course
- Pass equivalent language exam administered by the Department of Literatures, Cultures and Languages
- Requirement waived for native speakers

Students minoring in Latin American Studies should also consider participating in an Education Abroad program in Latin America or the Caribbean. Courses taken abroad may be counted toward the minor if they are equivalents of the courses listed above.

The minor is offered by El Instituto: Latino/a, Caribbean and Latin American Studies Institute. For information, contact Anne Gebelein. Anne.Gebelein@uconn.edu or call 860-486-5508.

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: HORT 2750, 3410; LAND 2110 or HORT 3705; LAND 2410 or HORT 3710

And two of the following courses: HORT 2430, LAND 2210, 2220, 3230W; TURF 3720

At least 12 credits must not duplicate courses used to satisfy the 36 credit requirement for the student’s major, or for another minor in the College of Agriculture, Health 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 and Landscape Architecture.

Latin Studies

This minor advances a critical understanding of Latinos/as as an integral social and cultural component of U.S. society and of the American hemisphere. Since it employs interdisciplinary research methods, this minor enhances a variety of majors and fields of study.

Requirements: The Latin Studies minor requires a minimum of 15 credits of coursework. At least nine of these credits must be from courses listed as, or cross-listed with LLAS: LLAS 2001, 2011W, 2995, 3210, 3211, 3998, 3999, 4212; LLAS 3220/HIST 3674, LLAS/HRTS 3221/HIST 3575, LLAS 3230/ WGSS 3258, LLAS 3231/WGSS 3259, LLAS 3232/ENGL 3605, LLAS 3233/ENGL 3607, LLAS 3241/ANTH 3041, LLAS 3250/HDFS 3442, LLAS 3251/HDFS 3628, LLAS 3264/WGSS 3260/COMM 3321, LLAS/SPAN 3264, LLAS 3270/POLS 3622, LLAS 3271/POLS 3834; LLAS/HIST 3660W, LLAS/COMM 4320.

Additional courses elected from the following list may be counted for up to six credits permitted toward satisfaction of the required total of fifteen: AFRA/HRTS/SOCI 3505; AFRA/SOCI 3501; ANTH 3021, 3029, 3042, 3150, 3152; ARTH 3640; COMM 4450W, 4460, 4802; ECON 2444, 2456; ENGL 3218, 3265W, 4203W; HDFS 3421; HIST 3554, 3610, 3620, 3621; HIST/LLAS 3608W, 3609, 3635; INTD 2245; POLS 3218, 3235, 3237; SOCI/HRTS 3421W, 3429, 3831; SOCI 3503, 3901, 3907, 3911, 3971; SPAN 3204, 3214, 3266; URBN 3276; WGSS 2267.
The minor is offered by El Instituto: Latino/a, Caribbean and Latin American Studies Institute. For information, contact Anne Gebelein, anne.gebelein@uconn.edu or call 860-486-5508.

**Linguistics**

This minor requires 15 credits of 2000-level or above course work. Required courses are:

LING 2010Q, 3310Q, 3410Q, 3511Q, and one additional 2000-level or above course in linguistics.

The minor is offered by the Linguistics Department.

**Manufacturing**

This minor exposes engineering students to the fundamentals and applications of manufacturing. This minor is not approved for Management and Engineering for Manufacturing (MEM) engineering students. This minor includes design and fabrication techniques, including evaluating the impact on the human and environmental factors, process, and profit associated with the steps from design through production. Actual case studies will help reinforce the concepts. The two core courses are ENGR 3315 and 3320. The minor relies on the two core manufacturing courses and an elective as well as a manufacturing-focused senior design from the student’s home department. This elective can also be counted as an elective in their home department. The minor requires the completion of 15 credits including as follows:

- Application for the minor two semesters before graduation;
- An approved Plan of Study one semester before graduation;
- **Group I (Required Courses):** ENGR 3315 and 3320;
- **Group II:** 9 or more credits selected from the list of Manufacturing minor electives from any engineering department, which may include Senior Capstone from the student’s home department related to a manufacturing problem, subject to approval by Minor advisor. Group II courses can simultaneously be used towards the student’s major requirements.
- Manufacturing minor electives: CHEG 4140, 4142, 4143, 4989, 4995 (if related to manufacturing), CE 4210; ECE 3243, 4095 (if related to manufacturing), 4211, 4225, 4242, 4243, 4901, 4902; ENGR 4243, 4244; MISE 4021, 4038, 4095 (if related to manufacturing), 4240, 4241, 4901W (if related to manufacturing), 4902W (if related to manufacturing), 4989; ME 3217, 3221, 3222, 3224, 3225, 3227, 3228, 3295 (if related to manufacturing), 3299 (if related to manufacturing), 4972 (if related to manufacturing), 4973W (if related to manufacturing).

**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 or EEB 4275, MARN 3016 or 3030/5032, 3015/5015, 3017/5017, 3811, 5014, 5016; EEB 3250, 4200.

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
** Marine Sciences majors may use only one 2000-level or above MARN elective course 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 underwater 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; GSCI 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: GSCI/MARN 3230; GEOG 2300, 2500
- Select nine credits from the History/Anthropology list: MARN 3017, 3018, 3019/MAST 3532, 3533; ANTH 3531/MAST 3531; ANTH 3532/HIST 3210/MAST 3532; 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 Kroum Batchvarov at kroum.batchvarov@uconn.edu.

**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 15 credits including the following:

- Application for the minor two semesters before graduation
- An approved Plan of Study one semester before graduation
- MSE 2001 (or 2101) and 2002 (or 2102);
- 9 credits selected from MSE 3000-level courses; MISE 4000-level courses (but not more than 3 credits of independent study or directed research); BME 3700 or CHEG 3156.

The minor is offered by the Program of the Chemical, Materials, and Bio-molecular Engineering. For more information, contact Dr. T. Kattamis, (860) 486-4718 or tkattami@ims.uconn.edu.

**Mathematics**

The requirements for this minor are 15 or more credits following one of three tracks,

**Track 1.** Five courses chosen from List A; or

**Track 2.** Five courses chosen from Lists A and B with at least two courses coming from List B. Note that all the courses in List B (except for MATH 2710 or 2142) have a prerequisite of a grade of C (2.0) or better in MATH 2710 (or 2142); or

**Track 3.** MATH 2141Q, 2142Q, 2143Q and 2144Q.

**List A.** MATH 2110Q (or 2130Q or 2143Q), 2210Q, 2410Q (or 2420Q), 3146, 3160, 3170 (or STAT 3965), 3410, 3435, 3510, 3511, 3710; STAT 4535 or certain sections of MATH 3094, 3795 and 3799 approved by the Department Head.

**List B.** MATH 2710 (or 2142), 3150 (or 4110), 3151, 3210, 3230 (or 4210), 3231, 3240, 3250, 3260, 3330 (or 4310), 3370.

The minor is offered by the Mathematics Department.

**Medieval Studies**

Students must complete at least five upper-level courses in Medieval Studies disciplines, for a total of 15 credits. No more than three of these credits may be transferred from another college or university. Coursework must be at the 3000-4000 level, and may also include Variable Topics, Special Topics, Independent Study, Foreign Study, and graduate-level courses, as determined by the course content and consent of one of the Minor Advisors.

The five courses must be drawn from at least four of the following categories:

- Art History: ARTH 3220/3220W, 3230/W, 3240/W, 3210/3210W, 3260/3260W
- Classical and Ancient Mediterranean Studies: CAMS 3213, 3232, 3244; CAMS 3243/HIST 3340
- English: ENGL 3111, 3301, 3501, 3603
- French: FREN 3230
- Hebrew and Judaic Studies: HEJS 3201, 3301; CLCS 3201; HEJS 5397/CLCS 5301
This minor exposes non-Materials Science and Engineering students to the
fundamentals and applications of nanoscale materials. This includes synthesis
and characterization techniques, nano-device fabrication methods, testing
and applications, and underlying Materials Science and Engineering, physics
and chemistry principles. Content in this fast developing area is frequently
based on recent progress and reports documentation in the nanoscience and
nanotechnology disciplines, and is extensively interdisciplinary. The minor
requires the completion of 15 credits including as follows:
• Application for the Nanomaterials Minor two semesters before graduation
• An approved Plan of Study one semester before graduation
• Group I – Required Courses: MSE 2001 (or 2101) and 2002 (or 2102)
• Group II: 9 credits selected from the following courses: MSE 4001,
  4240, 4241, ENGR 3195 and/or MSE 4095 (if related to nanomaterials,
subject to approval by Minor advisor)

Note: Group II courses cannot be simultaneously used towards multiple
minors, e.g. the Materials Science and Engineering Minor and the Nanomaterials Minor.

This 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.

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 2400, 2410, 3201, 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, ex-
   cept 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.

Nanomaterials

This minor exposes non-Materials Science and Engineering students to the
fundamentals and applications of nanoscale materials. This includes synthesis
and characterization techniques, nano-device fabrication methods, testing
and applications, and underlying Materials Science and Engineering, physics
and chemistry principles. Content in this fast developing area is frequently
based on recent progress and reports documentation in the nanoscience and
nanotechnology disciplines, and is extensively interdisciplinary. The minor
requires the completion of 15 credits including as follows:

1. The basic required course is HIST 3705.
2. In addition, students must complete four courses from the following
   list: ANTH 3038; ANTH 3513/HIST 3300; CLCS 2214, 3201, 3203;
   ECON 2104/W; FREN 3218; HJJS 3201; HIST 3704, 3712; HIST
   3301/CAMS 3253; HIST 3300/CAMS 3256/HJJS 3218; INTD 3260;
   POLS 3447, 3462, 3464/W; and any 2000, 3000 and 4000-level courses
   in Middle East Languages.

3. Education Abroad courses, POLS 2998, and those offered by the Comparative
   Literary and Cultural Studies (CLCS) Program count toward the minor
   when the topic contains substantial Middle Eastern material.

4. With the approval of a student's Middle Eastern Studies 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.

5. Students are strongly encouraged to take a Middle Eastern language such
   as Arabic, Hebrew, Persian, or Turkish. Students are strongly encouraged to
   study abroad at a university in the Middle East.

6. The minor is offered by the College of Liberal Arts and Sciences and super-
svised by a committee of affiliated faculty. For more information, visit mideast.
   uconn.edu.

Neuroscience

The requirements for this minor are at least 15 credits of 2000-level or above
courses that are structured in the following manner.

1. Required lecture courses: All students must take both PSYC 2200 and PNB
   3251.

2. Required independent design laboratory course (if related to nanoscience/technology),
   the two-course sequence ECE 4901 and 4902 (if the
   student qualifies. (6 credits)
3. Additional courses required to satisfy the 15 credit requirement (if not used
   for lab requirement) may include: PSYC 2201, 2500, 3200, 3201, 3250/W,
   3251, 3252, 3253, 3501; PNB 3262, 3263WQ, 3275, 3276, 4162, 4400.

4. 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
   3251, 3252, 3253, or academic studies.*

5. Additional courses required to satisfy the 15 credit requirement (if not used
   for lab requirement) may include: PSYC 2201, 2500, 3200, 3201, 3250/W,
   3251, 3252, 3253, 3501; PNB 3262, 3263WQ, 3275, 3276, 4162, 4400.

6. Additional courses required to satisfy the 15 credit requirement (if not used
   for lab requirement) may include: PSYC 2201, 2500, 3200, 3201, 3250/W,
   3251, 3252, 3253, 3501; PNB 3262, 3263WQ, 3275, 3276, 4162, 4400.

7. Additional courses required to satisfy the 15 credit requirement (if not used
   for lab requirement) may include: PSYC 2201, 2500, 3200, 3201, 3250/W,
   3251, 3252, 3253, 3501; PNB 3262, 3263WQ, 3275, 3276, 4162, 4400.
Nutrition for Exercise and Sport

This minor has been established in cooperation with the Departments of Kinesiology and Allied Health Sciences. Students interested in earning the minor will need to complete prerequisite coursework for required courses. These include NUSC 1165, PNB 2264, 2265, and MCB 2000. All students are required to complete a minimum of 18 credits for the minor.

Students in this minor must complete: NUSC 4236, 4250; KINS 4500, 4510; and any two of the following courses for an additional 6 credits: NUSC 2241, 4299; KINS 3099, 3530; AH 3231 or 3234.

The minor is offered by the College of Health and Natural Resources. Students who are interested in pursuing this minor should contact Dr. Nancy Rodriguez at nancy.rodriguez@uconn.edu.

Oceanography

The 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, 4050, 4060
B. MARN 2002, 3000, 3001, 3015, 3016, 3017, 3060, 3061

Marine Sciences 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: 860-486-9152.

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 and:

- 6 credits from among: HORT 2430, 3410, 3560
- 3 credits from among: HORT 2520, 2750, 3530, 3660, 3670, 3765
- 3 credits from among: PLSC 3810, 3820, 3830, 3840

At least 12 credits must not duplicate courses used to satisfy the 36 credit requirement for the student’s major, or for another minor in the College of Agriculture, Health 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 and Landscape Architecture.

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 freshman/sophomore 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 or higher course work.

Course Requirements

A. Nine credits of required courses: PHYS 2300, 3101, 3201 or ECE 3001
B. Six credits of elective courses chosen from any of the PHYS 2000-level or higher courses, other than the ones already taken above, with no more than three credits from PHYS 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 and higher 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 or 3265, 3263WQ or 3264W

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.

Professional Sales Leadership

Students majoring in the School of Business may not earn this minor. Students may only earn one minor offered by the School of Business. Students who are not majors in the School of Business are restricted to no more than 24 credits of coursework offered by the School of Business. The minor is designed to offer a basic understanding of Professional Sales topics.

Requirements: To receive the Professional Sales minor, a student must complete five (5) 3-credit 3000-4000 level Business Courses, to include BADM 3750 (or MKTG 3101), 3452, 4754, 4892, and a 3-credit 3000-4000 level BADM elective.

Credits from internships cannot be used to satisfy requirements of the minor. No more than one 3-credit course used to satisfy requirements for this minor may be from any transfer or Education Abroad credits earned. Access to courses for this minor is on a space available basis, and the School of Business cannot guarantee completion of this minor.

The minor is offered by the School of Business. For more information, contact the School of Business, Marketing Department, (860) 486-4133. Permission number requests for these courses can be found at undergrad.business.uconn.edu.

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, and Industrial/Organizational: 2300/W, 2301, 2400, 2600, 2700
Area II. Experimental and Behavioral Neuroscience: 2200, 2500, 2501, 3201 (EEB 3201), 3500, 3501
Area III. Cross Area (I and II): 2110, 2201, 2300, 2501/W, 3102, 3105, 3400, 3601
Area IV. Advanced and Specialty Lecture Courses: 2101, 2701, 3101, 3103 (COMM 3103), 3104, 3106/W (AFRA 3106/W), 3200/W, 3300/W, 3301, 3370, 3402W, 3470/W, 3502, 3503, 3600/W, 3670/W, 3770, 3883, 3884, 3885

MINORS
Laboratory Courses: 3150, 3250/W, 3251, 3252, 3253, 3350W, 3450W,
3550W, 3551W, 3552, 3750W
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 comprising
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 either 15 credits at the 2000-level or above, or 12 credits at the
2000-level or above plus PP 1001. Students interested in the Public Policy
Minor are encouraged to complete ECON 1201 and STAT 1100Q (or equivalent).

Requirements:
Students choose 15 credits of Public Policy courses in consultation with
their academic advisors. PP 1001 is the only 1000-level course that meets
the course requirement. PP/URBN 2100; ECON 2328/W, 2431, 2439, 2456
and Public Policy graduate courses can be used to meet this requirement.
Prospective students should contact Eric Brunner of Public Policy at eric.
brunner@uconn.edu.

Real Estate

Students majoring in the School of Business may not earn this minor. Students
may only earn one minor offered by the School of Business. Students who are
not majors in the School of Business are restricted to no more than 24 credits
of coursework offered by the School of Business. The minor is designed to
offer a basic understanding of real estate topics.

Requirements: To receive this minor, a student must complete five (5) 3-credit,
3000-level or above courses offered by the School of Business to include:
one from the following: FNCE 3230 or BADM 3730 (FNCE 3101); four
courses from the following: FNCE 3230; BADM 3730 (FNCE 3101); FNCE
3332, 3333, 3334, BLAW 3274; ECON 3439; FNCE 4895 when offered as
Commercial Real Estate Appraisal.

Credits from internships cannot be used to satisfy requirements of the minor.
No more than one 3-credit course used to satisfy requirements for this minor
may be from any transfer or Education Abroad credits earned.

Courses designed for students pursuing this minor can be found in the Busi-
ness Administration (BADM) course description section of the Undergradu-
ate 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 prerequisites for those classes. Access to courses for this minor
is on a space available basis, and the School of Business cannot guarantee
completion of this minor.

The minor is offered by the School of Business. For more information, con-
tact the Finance Department, School of Business, phone (860) 486-3040.
Permission for transfer credits for these courses can be found at under
grad.business.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, 3401; INTD 3260; PHIL
3231; SOCI 3521

Group B. Topical Courses: ANTH/WGSS 3402; ANTH/WGSS 3403;
ARTH 3140/CAMS 3251; ARTH 3150/CAMS 3252; ARTH 3210, 3220,
3230, 3240; CAMS 3213, 3244, 3245, 3295*, 3298*; CAMS 3243/HIST
3340, CAMS 3250/HIST 3335; CAMS 3253/HIST 3301, CAMS 3256/HEJS
3218/HIST 3330; ENGL 3617, 3621*, 3623*, 3627*; HEJS 3201, 3202,
3298, 3511, 5300-97; HDFS 3252; HIST 3098*, 3360, 3361, 3371, 3704;
INDS 3293*, 3295*, 3298*, 3299*; INTD 3999*; PHIL 3261, 3263
*Variable subject courses may be applied to the Minor depending on content
and the approval of the Minor Coordinator;
The minor is offered by the College of Liberal Arts and Sciences. For more
information, contact the Anthropology Department by phone (860) 486-2137
e-mail joelynn.lemkin@uconn.edu.

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 2000, 3000 and 4000-level Spanish courses. The require-
ments are:

A. One advanced grammar or writing course from SPAN 3178, 3240W
or 3293
B. One course from each of the following groups:
   1. GROUP 1 (Literature): SPAN 3207, 3208, 3230, 3231, 3232, 3233,
      SPAN/LLAS 3265.
   2. GROUP 2 (Culture): SPAN 3179, 3200, 3201, 3204, 3205, 3206,
      3207, 3208, 3214, 3250, 3251, 3252, 3293, 4200W.
   3. GROUP 3 (Language and Communication): SPAN 3170, 3177,
      3178/W, 3179, 3204, 3240W, 3241, 3242, 3261, 3267W, 3293,
      4200W.
C. Two additional courses from any group.

In addition, the following rules apply: AP courses may not be used toward
the minor. A maximum of 3 transfer credits and a maximum of three SPAN
3293 may be used toward the minor, but students applying transfer credits
toward completion of the minor may use only two SPAN 3293. In any case,
a minimum of 9 credits in residence as required.

The minor is offered by the Literatures, Cultures and Languages Department.

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, 3445, 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 1132Q or 1152Q and also MATH 2110Q
or 2130Q are strongly advised to take Track I. Students who have passed
only MATH 1132Q or 1152Q should take Track II.

The minor is offered by the Statistics Department.

Studio Art

The minor in Studio Arts provides an opportunity to explore studio arts across
a range of media and artistic practices. Students wishing to complete this
minor must fulfill the following requirements:

1. A minimum of 18 credits in ART courses
2. Either ART 1010 or 1030
3. Three ART courses at the 2000-level (minimum of 9 credits)
4. Two ART courses at the 3000-level (minimum of 6 credits)

A maximum of 6 credits of ART 2993 or 3993, Foreign Study, may be used
to fulfill the requirements of the minor.

No portfolio review is required for students enrolling in the minor.
This minor is offered by the Department of Art and Art History. Students interested in the minor must contact the department office and make an appointment to see the Minor Advisor to plan a course of study.

Sustainable Food Crop Production
This minor provides an overview of issues related to sustainable food crop production within the context of environmental stewardship.

Students must complete a minimum of 15 credits including: HORT 3620; SOIL 3620; and three of: HORT 3765; PLSC 1150, 3810, 3820, 3830, 3840, 3990.

To include PLSC 3990 Field Internship, the memorandum of understanding must be approved by the Minor Advisor.

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 and Landscape Architecture.

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. Riding experience at Intermediate Level II is required to enroll in ANSC 4457, one of the required courses of this minor.

The requirements for this minor are at least 16 credits of coursework. The student must complete all of the following courses: 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, Health 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 (soccer fields, highway medians, and coastal erosion control sites, conservation). This minor will also assist those interested in sales, marketing, or 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/W, 3800; SOIL 2120
- And any two of the following: TURF 3100, 3300, 3400, 3720; SOIL 3520

At least 12 credits must not duplicate courses used to satisfy the 36 credit requirement for the student’s major, or for another minor in the College of Agriculture, Health 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 and Landscape Architecture.

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 departments and 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 2328, 2431, 3431; ECON/URBN 3439; EDLR 3547; ENGL 3235W; GEOG 2500, 4200W; HIST 3102, 3520; HIST 3530/AASI 3578; HIST/AFRA/HRTS 3563; HIST/AFRA 3568; HDFS 2001, 3110, 3510, 3530, 3540; INTD 3584; POLS 2622, 3617, 3847; POLS/AFRA 3462; POLS/HRTS 3212; POLS 3662/LLAS 3270; PP 3001, 3020, 4033; PP 3033/AFRA 3033/POLS 3633; SOCI/HRTS 3429; SOCI 3459/HDFS 3240; SOCIO 3231, 3501, 3521, 3601; SOCI/AFRA/HRTS 3825; URBN 3276; URBN 3981 or INTD 3594; URBN 3993, 3995, 3998, 4999.

Students interested in pursuing a minor in Urban and Community Studies are advised to complete 1000-level courses in the social sciences, which may be prerequisites for courses in the Urban and Community Studies minor. These include, but are not limited to GEOG/URBN 1200; ECON 1201; POLS 1602; PP 1001; SOCI 1001, 1251; STAT 1000Q/1100Q; and URBN 1300W. 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 NRE 1315 or 2345 and 3335 and nine or more credits from the following courses: NRE 3201, 3105, 3345W, 3365, 3699 (wildlife topic related), 4335, 4689 (wildlife topic related), 4697W (wildlife topic related); and three or more credits from the following courses: NRE 2000, 2415, 3205, 3475.

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, Health 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 and the Environment.

Women’s, Gender, and Sexuality Studies
Fifteen hours of course work in Women’s, Gender, and Sexuality 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 Internship Program may be applied to the minor.

The minor is offered by the Women’s, Gender, and Sexuality Studies Program.