
CONNECTICUT STATE UNIVERSITY SYSTEM

The Connecticut State University System is an accredited system of four public universities located throughout the state.

Central Connecticut State University – *New Britain*
Eastern Connecticut State University – *Willimantic*
Southern Connecticut State University – *New Haven*
Western Connecticut State University – *Danbury*

Each of the four CSU universities began as a school for teacher preparation. Over the years, these schools evolved from normal schools to teachers' colleges to multipurpose colleges, and, in 1983, to state universities.

Together, the four CSU campuses offer more than 150 liberal arts and sciences and professional programs offering both full and part-time study.

CSU graduates work in leading firms, industries, schools, and hospitals across the state; they go on to top graduate, medical, and professional schools across the nation.

The CSU System is governed by an eighteen-member Board of Trustees, fourteen of whom are appointed by the Governor, and four students elected to the Board by their classmates. The Chancellor of the CSU System is responsible for the administration of the system. Each campus operates with a considerable amount of autonomy and functions under the leadership of a president.

CONNECTICUT STATE UNIVERSITY BOARD OF TRUSTEES

| | |
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CONNECTICUT STATE UNIVERSITY ADMINISTRATIVE OFFICERS

| | |
|---------------------------|---|
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| Yvette Melendez | Chief of Staff |
| Pamela J. Kedderis | Vice Chancellor for Finance and Administration |
| George Kahkedjian | Chief Information Officer |

Connecticut State University • 39 Woodland Street • Hartford • CT • 06105-2337



UNDERGRADUATE & GRADUATE

Catalog

2008-10

Mission

Eastern Connecticut State University is the state's public liberal arts university. As a predominantly undergraduate institution, Eastern develops outstanding students who integrate learning with expertise in their chosen fields of study for both civic and career success in a highly technological and rapidly changing world.

Eastern offers a wide range of undergraduate majors in the arts and sciences and professional studies, and selected graduate programs, encompassing interdisciplinary and integrated approaches to teaching and learning. The Eastern experience affords students the opportunity to acquire knowledge, values and skills necessary to pursue meaningful careers and advanced study, become productive members of their communities, and embrace lifelong learning. The University strives to be a model community of learners of different ages from diverse cultural, racial and social backgrounds.

Vision Statement

Aspiring to be a public liberal arts college of first choice, Eastern Connecticut State University will create an unparalleled college experience for its students and achieve national distinction for its academic programs. Eastern's faculty, students and staff will enhance the University's position as an intellectual community, acknowledged for its engaged teaching, learning, research and creative work. Advancing its position as a model for social responsibility, environmental stewardship, and educational access, the University will be recognized as a resource that is responsive to the needs of the region and the state.

CORE VALUES

As members of a learning and teaching community committed to academic excellence, we, the faculty, students, staff and administration of Eastern Connecticut State University, the state's public liberal arts institution, share this set of values:

ACADEMIC EXCELLENCE

Eastern embraces rigorous academic standards and intellectual inquiry as a benchmark for educational achievement for all of its students, faculty, and staff. This expectation informs every mode of learning on campus, from individual courses and degree programs to university presentations and cultural events.

ENGAGEMENT

Members of the university community develop intellectually, creatively, and socially through active and reflective learning in and outside the classroom, interdisciplinary studies, and individual and collaborative research.

INCLUSION

Eastern is committed to providing educational access while building a campus community that embraces diversity and differences, enriched by a global perspective.

INTEGRITY

Members of the university community are expected to behave ethically and honorably. Learning encompasses both intellectual and character development.

EMPOWERMENT

Eastern fosters a safe, nurturing environment that promotes intellectual curiosity, student achievement, and lifelong learning. Through rigorous inquiry and personal interaction, members of the community grow confident as independent, critical thinkers.

SOCIAL RESPONSIBILITY

Social responsibility is promoted and encouraged at Eastern through serving those in need; being active in the community; protecting our natural resources; and engaging in the democratic political process and other socially responsible actions. Social responsibility includes an ethical commitment to oneself and the community at large.



President's Message

Welcome to Eastern, Connecticut's public liberal arts university. Eastern has much to offer our students — a variety of academic disciplines, a faculty committed to teaching, a vibrant campus culture, and a strong connection to the local community and the community at large.

Eastern's focus on undergraduate education in a residential setting attracts students and faculty from across the United States and from around the world. Our educational programs include more than 30 majors and more than 50 minors in the arts and sciences, as well as in professional studies and education.

The core of Eastern's teaching and learning environment is our liberal arts curriculum, which uses an interdisciplinary approach to develop students' analytical and research skills. Eastern students also learn ethics, teamwork, and the ability to adapt to the inevitable changes occurring in today's modern world.

The University's commitment to academic excellence is evidenced by our outstanding faculty, which includes several Fulbright scholars; a past Carnegie U.S. Professor of the Year; endowed chairs; and a number of Connecticut State University System (CSUS) Distinguished Professors. A regionally recognized Honors Program and an expanded First Year Program for all incoming freshmen provide additional opportunities for students to experience a unique liberal arts environment.

More than 60 percent of Eastern students live on campus, taking advantage of their proximity to their professors, computing resources, the library, fitness facilities, and each other to maximize their time at Eastern. Resident students and commuters alike enjoy a rich campus culture that brings world-class performers and lecturers to campus on a weekly basis. Students also learn valuable leadership skills as members and officers of more than 60 student clubs and organizations.

As a public university, Eastern is committed to preparing graduates to be engaged citizens while achieving distinction in their chosen careers and making their own special contributions to society. To that end, an Eastern education is firmly grounded in real-life experiences. Students apply their classroom studies through internships, field study, Study Abroad, service learning, scholarly research, and other active learning opportunities. Using the local Willimantic community as a learning laboratory, Eastern students contribute more than 25,000 hours of service a year to nonprofit organizations and local social service agencies.

I encourage you to learn more about Eastern. In addition to this catalog, you can visit our website or call for an appointment to visit our beautiful campus. We look forward to seeing you!



Elsa M. Núñez
President

TABLE OF CONTENTS

| | |
|--|-------------------|
| President’s Message..... | vii |
| Eastern Connecticut State University | iv |
| University Calendar..... | 2 |
| Academic Programs..... | 3 |
| Undergraduate Information..... | 7 |
| Undergraduate Admissions..... | 7 |
| Undergraduate Expenses | 18 |
| Undergraduate Financial Aid..... | 28 |
| Student Services | 31 |
| Academic Support Services..... | 43 |
| Undergraduate Academic Policies and Procedures | 51 |
| Undergraduate Programs and Courses of Instruction..... | 65 |
| General Education Requirements | 66 |
| Liberal Arts Core Curriculum..... | 67 |
| Special Programs | 71 |
| The School of Arts and Sciences | 80 |
| The School of Education and Professional Studies..... | 280 |
| The School of Continuing Education | 360 |
| Graduate Division..... | 367 |
| Academic Policies..... | 371 |
| Graduate Expenses | 370 |
| Master of Science Degrees in Education | 383 |
| Master of Science Degree in Organizational Management..... | 390 |
| University Directory..... | 409 |
| University Administration | 409 |
| Faculty and Professional Staff Directory | 411 |
| Emeriti | 425 |
| Honorary Faculty..... | 428 |
| Schedule of Projected Course Offerings..... | 429 |
| Index..... | 461 |
| Map | Inside Back Cover |

COMPLIANCE STATEMENT

Eastern Connecticut State University does not discriminate on the basis of race, color, national origin, age, sex, disability or sexual orientation in admission to, access to, treatment in, or employment in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies including a policy of prohibition against sexual harassment, as well as other issues related to civil rights compliance.

Name: Constance Belton Green

Title: Chief Diversity Officer

Eastern Connecticut State University

Address: 83 Windham Street, Willimantic, CT 06226

Inquiries concerning the application of non-discrimination policies may also be referred to the Boston Office, Office for Civil Rights, U.S. Department of Education, Thomas Hibino, McCormack Post Office and Courthouse, Room 701, Boston, MA 02109-4557.

PLURALISM STATEMENT

The Connecticut State University policy regarding racism and acts of intolerance is as follows:

Institutions within the Connecticut State University have a duty to foster tolerance. The promotion of racial, religious, and ethnic pluralism within the University is the responsibility of all individuals of the University community. Every person in the University community should be treated with dignity and assured security and equality. Individuals may not exercise personal freedoms in ways that invade or violate the rights of others. Acts of violence and harassment reflecting bias or intolerance of race, religion, gender, sexual orientation, disability, and ethnic or cultural origins are unacceptable. The University shall take appropriate corrective action if such acts of violence or harassment occur.

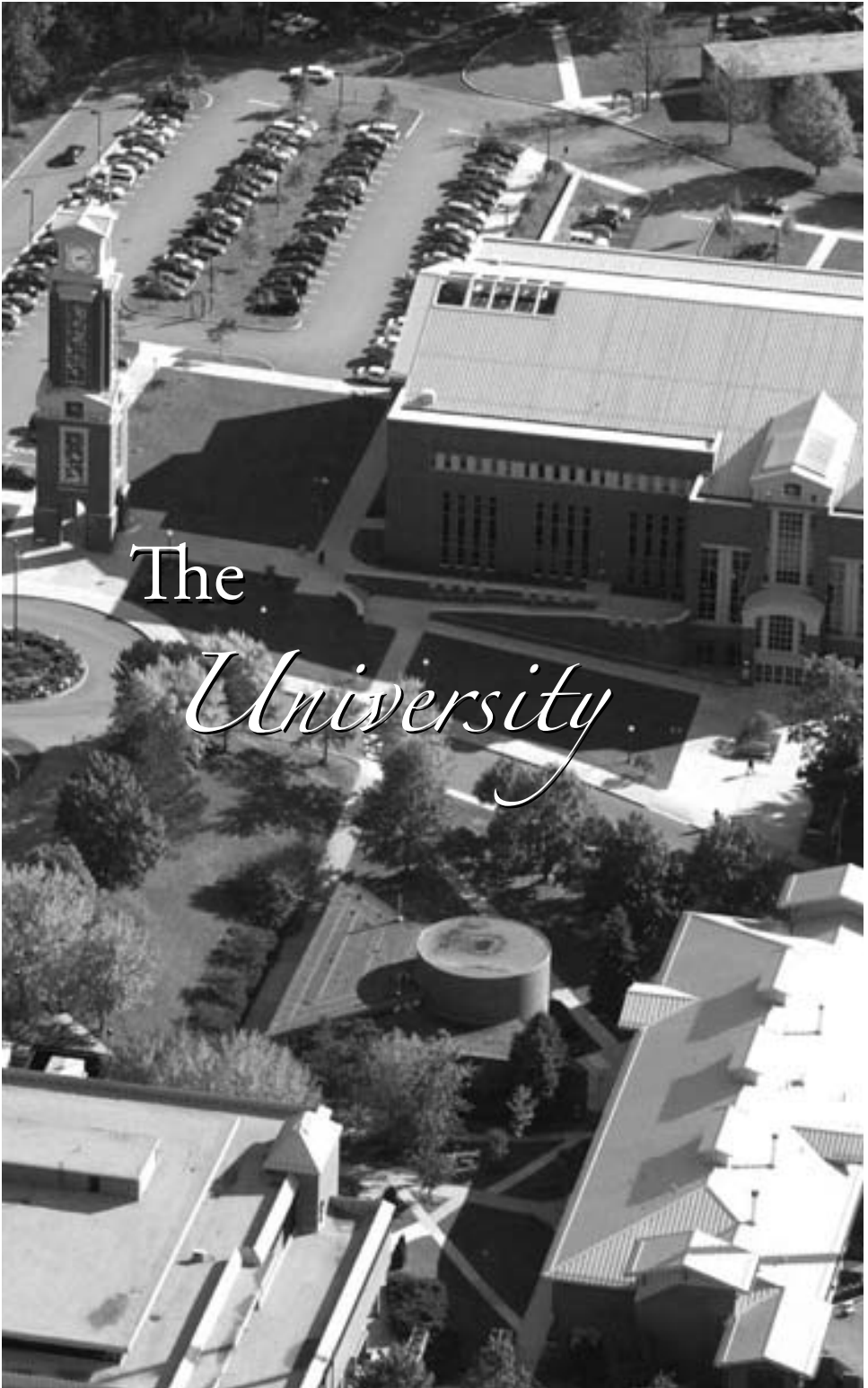
RIGHTS RESERVED STATEMENT

This catalog of Eastern Connecticut State University represents a compilation of the latest available information. It is published to serve as a guide to programs, services, and regulations of the University; therefore, information contained herein supersedes that of all other Eastern Connecticut State University catalogs. Eastern Connecticut State University reserves the right to change its regulations, fees and announcements without notice whenever such action becomes necessary.

STUDENT RIGHTS UNDER EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

Through annual dissemination of a policy and procedure statement, Eastern Connecticut State University informs students of their rights under the Family Educational Rights and Privacy Act of 1974, as amended. This Act, with which the University complies fully, protects the privacy of education records, establishes the rights of students to inspect and review their education records, and provides guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the Act.

The University policy statement explains in detail the procedures to be used for compliance with the provisions of the Act. Copies of the policy can be found in the Eastern Student Handbook and at the Admissions and Registrar's Offices at the University.



The
University

The University

Eastern Connecticut State University participates fully in the mission of the Connecticut State University System. For its diverse student body, Eastern provides an education with a strong liberal arts foundation that focuses on developing the full potential of each student. Eastern offers an exemplary undergraduate liberal arts and science curriculum, with distinctive professional and master's programs that grow out of a commitment to intellectual integrity and social responsibility.

Eastern emphasizes life-long learning in a time of social and technological change. The University serves as an important resource for meeting social, economic and cultural needs of the local and regional communities. The University is uniquely characterized by its student/faculty interaction and its campus residential atmosphere.

With an enrollment of approximately 5,100 full-time and part-time students from every region of the state, over half the states and 34 foreign countries, Eastern is a diverse community of learners and provides opportunities for the pursuit of excellence at every level of academic life. This multicultural student community thrives in Eastern's residential college atmosphere while encouraging academic talent in students with varied social, ethnic and educational backgrounds. The University also serves a large percentage of non-traditional students of all ages, on a full-time or part-time basis, whose interests may include expanding careers, as well as changing or starting new careers. The educational needs of all students are met by courses taught on and off campus during the evening and weekends, as well as during the summer session and January intersession.

Eastern offers a wide range of traditional academic programs, and degrees on three academic levels: Associate of Science; Bachelor of Arts, Bachelor of Science, Bachelor of Social Work, Bachelor of General Studies; and Master of Science.

Founded in 1889, Eastern is the second oldest of the Connecticut State Universities. The campus is located in the heart of eastern Connecticut, in a residential section of Windham County. The University is midway between New York and Boston, and only a short drive to Hartford, the state's capital.

The Eastern campus, spread over 182 acres, is divided into three areas: South Campus, North Campus, and the University Baseball Complex. South Campus is the historic part of the University. Henry T. Burr and Frederick R. Noble residence halls, and George H. Shafer Hall, which houses classrooms, offices, art and music studios, the campus theater, and Shafer auditorium, are located on south campus. North Campus, the most modern part of the University, is home to the J. Eugene Smith Library, Wickware Planetarium, Student Center, Sports Center, the Media Building, which houses the campus radio and television stations, and Charles R. Webb Hall, a classroom building which features state-of-the-art computer technology, media resources, and interactive learning systems. In addition, North Campus is home to several residence halls, including the Occum Hall apartments and the North and South Residential Villages. The Administration Building is centrally located adjacent to the Alvin B. Wood Support Services Center on North Campus.

Eastern Connecticut State University is accredited by the New England Association of Schools and Colleges.

FALL 2008

| | |
|----------------|---|
| August 25 | Academic Year Begins |
| September 1 | Labor Day – No classes |
| September 2 | Classes begin at 8 a.m. |
| November 26–30 | Thanksgiving recess – No classes |
| December 11 | Classes end |
| December 13-19 | Final Exams (Day, Evening and Saturday classes) |

WINTERSESSION 2009

| | |
|-------------|---|
| December 20 | Weeklong courses begin at 9 a.m. |
| January 1 | Holiday New Year's Day – No classes |
| January 6 | Traditional session begins |
| January 19 | Holiday Martin Luther King Day – No classes, offices closed |
| January 22 | Traditional Session ends, classes end at 9:30 p.m. |

SPRING 2009

| | |
|-------------|---|
| January 20 | Official start of Spring semester |
| January 26 | Classes begin at 8 a.m. |
| February 13 | Lincoln's Birthday observed – No classes |
| February 14 | No Saturday classes |
| February 16 | Washington's Birthday observed – No classes |
| March 23–28 | Spring Recess – No classes |
| May 14–15 | Make-up/Reading days |
| May 16 | Saturday classes end |
| May 18-23 | Final exams (Day, Evening and Saturday classes) |
| May 24 | Commencement |

SUMMER 2009 *Continuing Education Division – Undergraduate Courses*

| | |
|-----------|--|
| May 25 | Holiday - Memorial Day – No classes |
| May 26 | Weeklong Courses begin at 9 a.m. |
| June 1 | Session A begins – Classes begin at 8 a.m. |
| July 3 | Holiday observed – Independence Day – No classes, offices closed |
| July 9 | Session A ends |
| July 13 | Session B begins – Classes begin 8 a.m. |
| July 27 | Session C begins – Classes begin at 8 a.m. |
| August 13 | Sessions B and C end |

GRADUATE DIVISION – GRADUATE COURSES

| | |
|-----------|--|
| May 25 | Memorial Day – No classes |
| May 26 | Session I begins – Classes begin at 8 a.m. |
| July 2 | Session I ends – Classes end at 10 p.m. |
| July 6 | Session II begins – Classes begin at 8 a.m. |
| July 3 | Holiday observed – Independence Day – No classes |
| August 13 | Session II ends – Classes end at 10:00 p.m. |

OTHER PROGRAMS

| | |
|-----------------|----------|
| July 1–August 3 | STEP/CAP |
|-----------------|----------|

Academic Programs

Eastern Connecticut State University is organized into three schools: the School of Arts and Sciences, the School of Education and Professional Studies (including the Graduate Division), and the School of Continuing Education. Degree programs offered through the three schools are:

- **Master of Science**
- **Bachelor of Arts**
- **Bachelor of Science**
- **Bachelor of General Studies**
- **Associate in Science**

UNDERGRADUATE PROGRAMS

Eastern offers either the Bachelor of Arts (BA), Bachelor of Science (B.S.) or Bachelor of General Studies (B.G.S.) degree to students who have successfully completed a four-year program of study. The Associate Degree in Science (A.S.) is offered to students who have completed a two-year or 60-credit program of study.

Undergraduate Majors

A major is a field of study chosen by a student to acquire in-depth knowledge of a subject area.

Accounting (B.S.)

History (B.A.)

Biochemistry (B.S.)

History with American Studies (B.A.)

Biology (B.A. and B.S.)

History and Social Sciences (B.A.)

Business Administration (B.S.)

Individualized Major (B.A. and B.S.)

Business Information Systems (B.S.)

Mathematics (B.A. and B.S.)

Communication (B.S.)

Performing Arts (B.A.)

Computer Science (B.S.)

Physical Education (B.S.)

Early Childhood Education (B.S.)

Political Science (B.A.)

Economics (B.A.)

Psychology (B.A.)

Elementary Education (B.S.)

Social Work (B.A.)

English (B.A.)

Sociology (B.A.)

English with American Studies (B.A.)

Spanish (B.A.)

Environmental Earth Science (B.S.)

Sport and Leisure Management (B.S.)

General Studies (B.G.S.)

Visual Arts (B.A.)

Undergraduate Minors

A minor is an approved program of study in a different subject from the major, in which a student can concentrate.

Academic Minor

| | |
|--|--------------------------------|
| Accounting | Geomorphology |
| Anthropology | Health |
| Art History | History |
| Astronomy Outreach & Public Presentation | Hydrogeology |
| Biochemistry | Management Information Systems |
| Biology | Mathematics |
| Business Administration | Modern Languages |
| Business Information Systems Management | Music |
| Chemistry | Philosophy |
| Coaching | Physical Education and Sport |
| Communication | Leisure Management |
| Computer Engineering Sciences | Physical Science |
| Computer Science | Physics |
| Criminology | Political Science |
| Digital Art and Design | Psychology |
| Economics | Social Informatics |
| English | Sociology |
| Environmental Earth Science | Spanish |
| French | Studio Art |
| Geographic Information Systems | Theater |
| Geography | Writing |

Interdisciplinary Minors

Eleven interdisciplinary minors are available:

| | |
|--------------------------------------|----------------------------|
| African American/Third World Studies | Peace and Human Rights |
| Asian Studies | Public Health |
| Canadian Studies | Pre-Law |
| Geographic Information Systems | Sustainable Energy Studies |
| Latin American Studies | Women's Studies |
| New England Studies | |

Teacher Certification Programs

The teacher certification programs allow a student to meet Eastern and State of Connecticut requirements for teaching in Connecticut. Teacher Certification Programs are offered in:

| | |
|---------------------------------|-------------------------------|
| Biology (7–12) | History/Social Studies (7–12) |
| Early Childhood Education (N–3) | Mathematics (7–12) |
| Earth Science (7–12) | Physical Education (Pre K–12) |
| Elementary Education (K–6) | |
| English (7–12) | |

Graduate Programs

The following graduate programs are administered by the Graduate Division in the School of Education and Professional Studies:

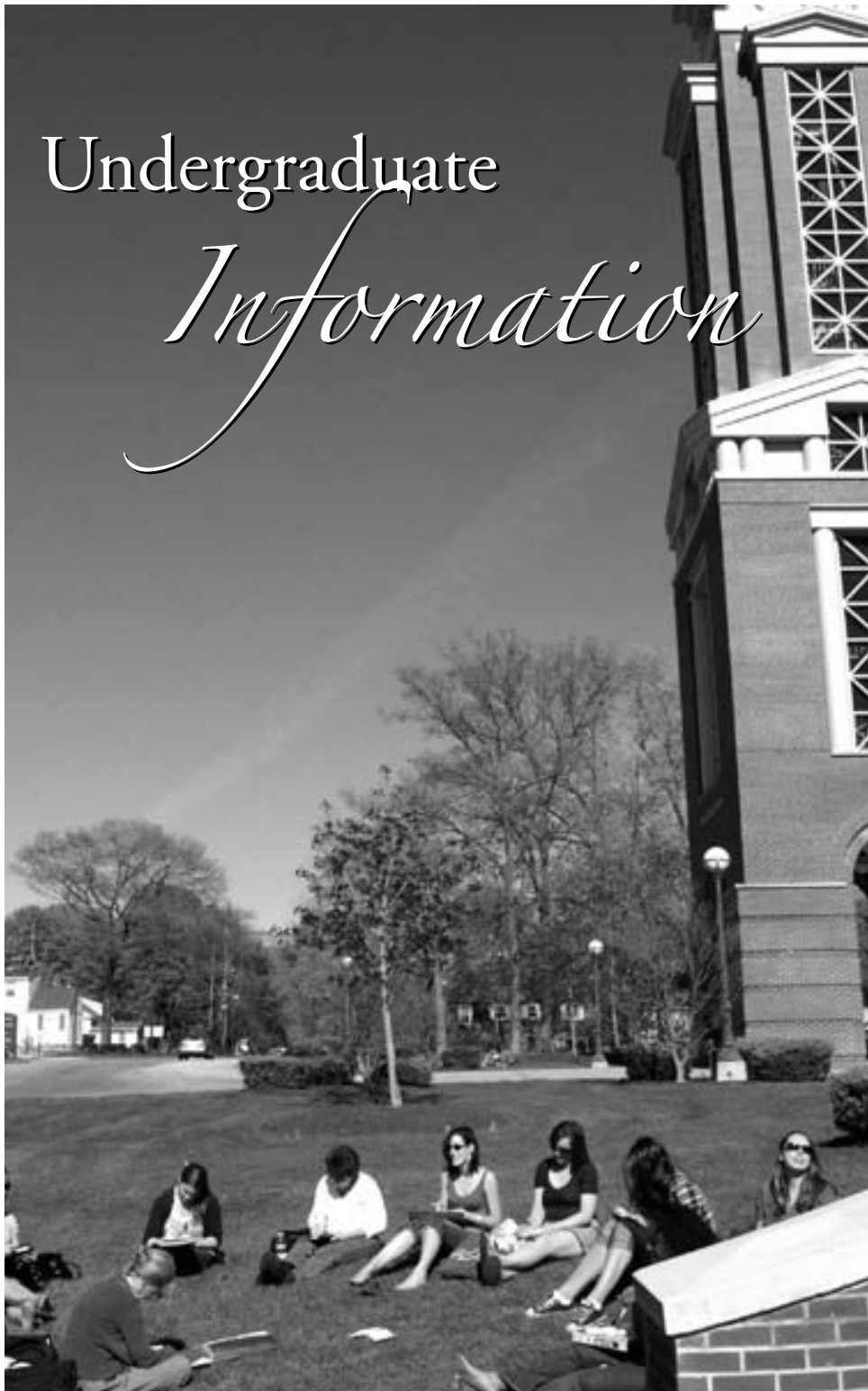
Master of Science Degree Programs

| | |
|---------------------------|-----------------------|
| Early Childhood Education | Reading/Language Arts |
| Educational Technology | Science Education |
| Elementary Education | Secondary Education |
| Organizational Management | |

Master of Science Degree Programs with Certification

Early Childhood Education (N–3)
Elementary Education (K–6)
Secondary Education (7–12)

Undergraduate *Information*



Undergraduate Information

UNDERGRADUATE ADMISSION AND ENROLLMENT MANAGEMENT

Kimberly Crone, *Director of Admissions and Enrollment Management*

Angela Abbott, *Assistant to the Director of Admissions and Enrollment Management*

Antonio Marrero, *Associate Director of Admissions and Enrollment Management*

Christopher Dorsey, *Assistant Director of Admissions and Enrollment Management*

LaQuana Price, *Assistant Director of Admissions and Enrollment Management*

Dmitry Satsuk, *Associate Director of International Admissions and Enrollment Management*

ADMISSION TO THE UNIVERSITY

Undergraduate admission to the University is selective, based on academic performance and professional promise. The University is interested in applicants whose academic achievements, interests, and character demonstrate commitment to success. While no single characteristic is required for admission, each applicant's overall academic record is thoroughly and individually reviewed for school class standing, completion of challenging subjects, curricular levels, and grade point average. Leadership, non-traditional, extra and co-curricular experiences are also considered in the decision. Although the strength of an applicant's academic record is viewed as the best measure of readiness for college, personal qualities such as maturity, intellectual curiosity, relevant experiences, and motivation to succeed are important as well. The Office of Admissions reviews applications and admits students for two semesters during the academic year: Fall/September or Spring/January. All students who believe they meet the spirit and intent of the University's liberal arts mission are encouraged to apply and can be certain their applications will be given full and thorough consideration.

Admissions Procedures

Freshman applicants are encouraged to submit the application for admission and supporting requirements after completing the first marking period of their senior year.

To apply for freshman admission, students must submit the following to the Office of Admissions:

- Completed and signed application for admission.
- Non-refundable \$50 application fee.
- Official copy of secondary school transcript or GED.
- Two letters of recommendation from teachers, guidance counselors or employers.
- SAT I or ACT scores.
- Essay (up to 500 words) Applicants are asked to respond to the following: "Explain why Eastern, Connecticut's public liberal arts university, is the right college choice for you."

Interviews are requested by the Office of Admissions when additional information or clarification is needed. Although all prospective students are strongly encouraged to participate in an Admissions-sponsored information session and tour the campus, individual interviews are not required of most students who apply for admission.

Transfer applicants are encouraged to apply for admission as soon as possible. All transfer students are required to submit official copies of transcripts from all post-secondary institutions attended.

To apply for transfer admission, students must submit the following to the Office of Admissions:

- Completed and signed application for admission.
- Non-refundable \$50 application fee.
- Official copy of transcript(s) from all previously attended colleges/universities.
- Official copy of secondary school transcript or GED.
- Optional: Personal Essay of up to 500 words. Applicants are asked to respond to the following: “Explain why Eastern, Connecticut’s public liberal arts university, is the right college choice for you.”
- Transfer students with acceptable academic records at other accredited colleges or universities do not need to submit SAT I or ACT scores. However, the Office of Admissions may request this information from certain transfer applicants to further document academic readiness.
- Individual interviews are not required unless requested by the Office of Admissions.

Students who plan to enroll in less than 12 credits hours and adult learners entering or returning to college are encouraged to consult with an advisor in the School of Continuing Education for specific information prior to applying for part-time admission.

Admission Decisions

Admission decisions are made when all admissions requirements have been submitted and the applicant’s file is complete. Applicants are notified of the decision on a rolling basis. Applicants offered full-time admission to the university are required to submit non-refundable tuition and housing (if applicable) deposits to reserve classes and residence hall assignments.

Eastern Connecticut State University reserves the right to rescind admission decisions on candidates who falsify or alter information or documents provided as part of the admission process. The Office of Admissions may also withdraw the admission of any freshman applicant who does not successfully complete the requirements for a secondary school diploma or any transfer student who does not maintain academic standards at the prior institution upon admission to Eastern.

After admission to the University, and prior to enrollment, students should:

- Have a family health care provider complete the Health Examination Form and return it to Health Services at the University (required for all full-time students).
- Connecticut State Law requires that “as a condition of enrollment in a higher education institution, all full-time or matriculated students born after December 31, 1956 submit proof that they have been adequately immunized against measles and German measles (Rubella).” This requirement must be met as follows: Rubella (German measles) one dose only given after January 1, 1969 or proof of immunity by blood test; and Measles, two doses, the first dose given after first birthday and given

after January 1, 1969 or proof of immunity by blood test, and the second dose given after January 1, 1980 or proof of immunity by blood test.

- As of September 2002, Connecticut State Law requires that all students who reside in on-campus residence halls must be immunized against meningitis. Students must provide documentation of vaccination prior to moving into on-campus housing. Although off-campus students are not required to receive the meningitis vaccination, we recommend all students attending Eastern receive it prior to their arrival. Students should contact their health care provider to get the appropriate vaccine.
- Scholarship and financial aid candidates must complete the Free Application for Federal Student Aid (FAFSA) and request that an analysis of need be forwarded to the Financial Aid Office.
- Admitted students requesting on-campus housing accommodations must submit a residence hall application form to the Housing Office.
- International students must demonstrate college-level proficiency in English and must fulfill other requirements as indicated in the section on Admission of International Students.
- New students will be evaluated for English and mathematical skills. Based on the results of that testing, as well as other indicators of preparedness such as class rank and the quality of academic courses completed, students will be placed in courses that are appropriate to their skills and in which they have the greatest potential for success.

Criteria for Admission of Freshman Students

In weighing an applicant's qualifications, consideration is based on the following criteria:

1. **Secondary School Preparation.** Prior to enrollment, applicants must have earned a high school diploma from an accredited secondary school or an equivalency diploma. Their secondary school program should include units of college preparatory work in the following areas:

- English (four years)
- Mathematics (three years/four years recommended)
- Science, including one year of laboratory science (two years)
- Social Sciences, including U.S. History (two years)
- Foreign Language, classical or modern (two years/three years recommended)

The University's foreign language requirement ensures that students possess an awareness of another culture and an appreciation of its language. Students who enroll at the University without having successfully completed the admission requirement of at least two years' work in a single foreign language (classical or modern) at the secondary level must complete at least one year of a single foreign language (6 credits) on the college level to meet the requirement for graduation.

Students whose preparation does not follow this pattern may still qualify for admission if there is other strong evidence that they are prepared for college studies. Prospective students are encouraged to discuss their individual qualifications for admission with the Office of Admissions.

2. Scholastic Aptitude Test (SAT) or American College Test (ACT) Scores. Freshman applicants for admission must take the Scholastic Aptitude Test or American College Test, and have the report of their scores sent directly to the admissions staff.
3. Two recommendations from most teachers, guidance counselors or employers.
4. Essay explaining why Eastern, Connecticut's public liberal arts university, is the right college choice for applicant.
5. Interviews are arranged for applicants when requested by the admissions staff, but are not generally required for admission.

Applicants are strongly encouraged to visit the campus. Students who wish to visit the campus should make an appointment at least one week prior to their planned visit. Guided tours of the campus are offered through the Office of Admissions.

Admission to the University Honors Program

Affiliated with both the National and Regional Honors Council, Eastern's Honors Program provides an advanced course of study in the liberal arts for academically qualified students. Honors scholars follow a special program designed to encourage active learning, critical thinking, and independent study. The culmination of the program is the preparation of a senior honors thesis, an original research project carried out under the direction of a faculty advisor. Honors scholars also participate in the activities of the Student Honors Council.

The University Honors Program serves as part of the Liberals Arts core curriculum for those admitted to the program. Honors scholars may major in any department, and some departments offer departmental honors programs that can be coordinated with the University Honors Program. Honors scholars, who have a 3.3 cumulative grade point average and complete the honors requirements, graduate as University Honors Scholars.

Decisions on acceptance to the selective University Honors Program are made by the Honors Council. Acceptance of incoming freshmen is based on their high school record and potential for advanced college work. Eastern offers tuition scholarships to entering freshmen accepted into the University Honors Program. Transfer and continuing students who have earned less than 45 credits can apply to the program if their GPA is 3.5 or above. Interested students should contact the Director of the Honors Program.

Summer Transition at Eastern Program (STEP)/Contract Admissions Program (CAP)

What is STEP/CAP?

The Summer Transition at Eastern Program (STEP)/Contract Admissions Program (CAP) is an educational support service provided by The Learning Center at Eastern Connecticut State University. The program is open to high school graduates who are either: the first in their families to attend college, from low-income families, or from groups traditionally under-represented on college campuses. Prospective STEP/CAP students submit a regular application to Eastern's Office of Admissions, which conducts the initial screening and then refers qualified applicants to The Learning Center to be invited for an interview and additional screening on a Saturday morning during the spring semester. Decisions on STEP/CAP admission are made within two weeks of a student's interview.

What is the Summer Transition at Eastern Program (STEP)?

A six-week, on-campus residential experience offering classes, mentoring, and counseling, the Summer Transition at Eastern Program (STEP) is designed for highly motivated high school graduates who are seeking to improve their math, writing, and time management and study skills in order to gain admission to Eastern. This rigorous program offers each student an opportunity to strengthen these skills in preparation for the first year of college. In June students matriculate, register for fall classes, and participate in Eastern's freshman orientation program SOAR. STEP begins in July and ends in August. Successful students are able to return as freshman in the fall semester.

What is the Contract Admissions Program (CAP)?

Students will sign a contract when they come to the Saturday session. This contract states that students must successfully complete the six-week summer program with a minimum 2.0 (C Average) in order to continue as freshman for the fall semester at Eastern Connecticut State University. It also requires that students meet with professional staff at The Learning Center at least once every two weeks throughout their freshman year, and authorizes Learning Center staff to share information with parents and guardians in an effort to create an effective network of support. In this manner, the contract affords each STEP student the opportunity to work closely with professional staff in making the needed adjustments to undergraduate life. Professional staff provide academic support and information on course selection, curriculum requirements, campus resources, and other matters directly pertaining to the undergraduate experience. They also make appropriate referrals to Learning Specialists, tutors, financial aid counselors, and other support personnel.

Early Admission of Outstanding High School Students

Upon the recommendation of a high school principal, students who have not yet met high school graduation requirements but who have maintained an outstanding scholastic record and demonstrate unusual promise of success at the college level may be admitted early into regular or special programs at the University.

A course of study which will meet basic college needs for each individual student will be agreed upon by the high school administrator(s) and the University. At the completion of this course of study, the high school will grant a high school diploma to the student. Interested students should contact the Director of Admissions and Enrollment Management.

Advanced Placement Program (AP)

Eastern Connecticut State University participates in the Advanced Placement Program (AP) administered by the College Entrance Examination Board. High school students who have taken college-level courses at their high schools may participate. Examinations are offered in the following areas:

| | |
|-------------------------|-----------------|
| Art History | History |
| Biology | Human Geography |
| Chemistry | Latin |
| Computer Science | Mathematics |
| Economics | Music Theory |
| English | Physics |
| Environmental Science | Psychology |
| French | Spanish |
| German Language | Statistics |
| Government and Politics | Studio Art |

The University will grant credit for AP Examination grades of 3 or higher in the above subject areas. College credit as well as advanced placement may be given to those students who have taken the College Board Advanced Placement Test in high school.

University-High School Cooperative Program

Full college credit will be granted to students who have participated in a recognized university cooperative program offered through various high schools, provided the student has received a grade of “C-” or higher in a course that is applicable to a degree program at Eastern. Students should submit an official college transcript directly to the Office of Admissions. For further information, contact the Office of Admissions.

New England Regional Student Program

The New England Regional Student Program enables New England residents to pay reduced tuition at out-of-state public colleges and universities within the six-state region if they wish to pursue certain academic programs that are not offered by their home state’s public institutions. A brochure describing the program can be obtained by writing to the New England Board of Higher Education, 45 Temple Place, Boston, MA 02111. The following undergraduate curricula at Eastern are open to New England residents under the regional program:

Bachelor Degree Program:

Communication

Environmental Earth Science

Sports and Leisure Management

Open to Residents of:

Maine

Rhode Island

Massachusetts

Rhode Island

Rhode Island

Examining-Out of Course

If no measures for examining-out are available from other sources, faculty in the subject area involved may administer and evaluate the necessary tests. Credit for a course may or may not be given, depending on the circumstances and the recommendation of the department and dean of the School.

College-Level Examination Program (CLEP)

Eastern Connecticut State University accepts credits through the College-Level Examination Program (CLEP). The General Examinations provide a comprehensive measure of undergraduate achievement in five basic areas of liberal arts and sciences:

English Composition

Natural Sciences

Humanities

Social Sciences and History

Mathematics

The Subject Examinations cover specific course content.

Eastern serves as a regional testing center for this program. For information or registration forms, contact the School of Continuing Education, Shafer Hall. A maximum of 60 credits for all types of nontraditional learning may be awarded to an individual student.

Excelsior College Examinations

A limited number of credits may be earned in certain subject areas by taking Excelsior College examination(s). They offer college-level exams in the arts and sciences, criminal justice, business, education, and health.

Interested students may consult with the School of Continuing Education before arranging to take any examination. A maximum of 60 credits for all types of nontraditional learning may be awarded to an individual student.

Defense Activity for Nontraditional Education Subjects (DANTES)

Eastern Connecticut State University accepts credits for American Council on Education recommended passing scores on DANTES Subject Standardized Tests. For more information contact the School of Continuing Education. A maximum of 60 credits for all types of nontraditional learning may be awarded to an individual student.

Credit for Lifelong Learning Program

Persons age 25 years or older, with a minimum of five years of successful work/life experience in areas of specialization taught by the University, may qualify for college credit. Students interested in the possibility of gaining credit for life experience and learning should request detailed information from the School of Continuing Education. Only learning in subject areas offered by Eastern Connecticut State University can be considered for credit. Only matriculated students are eligible to be considered for this program. Candidates may be required to attend a non-credit Portfolio Preparation Workshop. A maximum of 60 credits for all types of nontraditional learning may be awarded to an individual student.

Transfer of Credit

After a transfer student is admitted to Eastern, all prior academic work successfully completed at other regionally accredited institutions for which the Office of Admissions has received official transcripts is evaluated by the Office of Admissions. The transfer evaluation is sent to the student. In general, admitted transfer students who have not earned an associate degree will receive credit in transfer for grades of “C-” or higher in courses applicable to degree programs at Eastern. Transfer students may be required to submit course descriptions from the prior college to assist in the evaluation to transfer credits.

Transfer credits are not calculated in a student’s cumulative grade point average at Eastern. Incoming transfer students should contact the Office of Admissions with questions regarding transfer credit. Students currently enrolled at Eastern should contact the Registrar’s Office with questions related to transfer credit.

Associate Degree Recipients

It is the policy of Eastern Connecticut State University to grant students pursuing a Bachelor Degree at Eastern total credit for a two-year Associate Degree received from a public or private institution accredited by an authorized regional accreditation agency, such as NEASC. Total credit refers to the total number of credits applied to the Associate Degree as shown on the official transcript. Transfer courses in which “D+” and “D” grades are earned are accepted in transfer, assuming the courses are in subject areas offered at Eastern; otherwise electives are awarded.

Associate degree recipients from a health care profession can take advantage of a special B.G.S. degree offered through the School of Continuing Education. Refer to the index for degree programs.

Associate degree recipients interested in teacher certification should refer to the section describing Teacher Education Certification programs.

Admission of Licensed Health Care Professionals

Registered Nurses

Graduates of hospital-based nursing programs who do not hold an associate degree but who are registered nurses may be admitted to the University as candidates for the Bachelor of Arts or Bachelor of Science or Bachelor of General Studies degree. Candidates must meet all the requirements for regular admission to the University. Sixty credits of electives will be awarded in transfer upon receipt of evidence that the student has completed an accredited diploma nursing program. Students may complete either a Bachelor of Arts or Bachelor of Science degree with a major or a Bachelor of General Studies degree with a concentration. Refer to the index for specific degree requirements. This program does not lead to nor does it meet the requirements of a Bachelor of Science degree in Nursing.

Dental Hygienists, Licensed Practical Nurses, Medical Laboratory Technicians, Radiological Technologists and Respiratory Therapists

Eastern offers special baccalaureate and associate degree programs for graduates of accredited programs in dental hygiene and licensed practical nursing who are licensed to practice in Connecticut. In addition, medical laboratory technicians, radiological technologists, and respiratory therapists who have completed accredited programs and/or successfully passed nationally-recognized certification examinations in these fields are also eligible for these special degree programs. Thirty credits of electives will be awarded in transfer upon receipt of evidence of having successfully completed an accredited professional program and/or national certification examination along with a license to practice, if applicable. This program allows students to complete either an Associate in Science, a Bachelor of Arts, Bachelor of Science, or Bachelor of General Studies degree. Refer to degree programs for health professionals under the School of Continuing Education.

Admission of Veterans

Veterans who wish to matriculate at the University must apply for admission to Eastern by making formal application as set forth in the General Admission procedures.

The Office of Veterans Affairs, located in the Financial Aid Office in the Alvin B. Wood Support Services Center, assists veterans in obtaining educational benefits available to them under the laws administered by the Veterans Administration, the Connecticut State Statutes, and Connecticut State University Trustee resolutions. While this office is not connected with the Veterans Administration, ongoing communication and cooperation with the Veterans Administration is maintained for processing of claims and benefit payments.

Files on all veterans are maintained within the office; veterans are encouraged to provide any important information for their files. Each student should promptly report any change in his/her enrollment status, as this may affect eligibility for benefits.

Eastern accepts the scores of the College Level Examination Program (CLEP), which is administered to military personnel on active duty. Armed Forces personnel desiring further information about the examinations should contact their education officers.

The University awards credit for some training and experience in the Armed Forces of the United States. Such courses must be recommended for college credit in the Guide to the Evaluation of Educational Experiences in the Armed Services, published by the American Council on Education (ACE). Credit recommendations by ACE must pertain to a program of study offered at Eastern before such credit may be awarded. It is the student's responsibility

to submit all appropriate documentation, including DD Form 295 or DD Form 214, to the Office of Admissions. A maximum of 60 credits for all types of non-traditional learning may be awarded to an individual student.

Admission of International Students on F-1 Visa

The University is pleased to consider for full-time admission all academically qualified students in legal status from other countries. International students must demonstrate competence in speaking and writing the English language in order to be considered for admission to a degree-granting program of undergraduate studies as a full-time matriculating student. A Test of English as a Foreign Language (TOEFL) minimum score of at least 550 on the paper version, or 213 on the computer version, or 79 on the Internet-based version, is required for admission.

International students are strongly urged to complete the application process well in advance of the projected date of enrollment. Early application is necessary because of the substantial amount of time required to file for non-immigrant (F-1) student status, and to make appropriate travel arrangements.

Secondary school graduates and students who have attended post-secondary institutions in other countries and are applying for an F-1 Visa are subject to the following procedures:

- A completed application for admission and a non-refundable \$50 (U.S.) application fee must be forwarded to the Office of Admissions.
- An official record of work completed at the secondary school attended (and all post-secondary institutions attended) must be forwarded to the Office of Admissions. All documents in languages other than English must be accompanied by a certified English translation.
- Proficiency in English is required, and international students must submit evidence that they possess knowledge of the English language adequate to undertaking a full course load (at least 12 credits) upon their arrival at the University.

Students whose native language is other than English are required to:

- Submit the official score report from the Test of English as a Foreign Language (TOEFL). Students must obtain a minimum score of 550 on the paper version or 213 on the computer version, or 79 on the Internet-based version, to be considered for admission.
- As an alternative to submitting the TOEFL, international students may demonstrate English proficiency by submitting proof of successful completion of advanced-level English as a second language course work taken at a regionally-accredited institution in the United States.
- The Scholastic Aptitude Test (SAT), American College Test (ACT) or International English Language Testing System (IELTS) may be substituted as an alternative to the TOEFL exam. The official score report must be forwarded to the Office of Admissions.

Two letters of recommendation from school officials at the institution(s) last attended must also be forwarded to the Office of Admissions. Students must take a full-time course load (at least 12 credits) each semester at the University.

In addition to the above requirements, the Office of Admissions must be provided with a financial statement proving financial responsibility for college. Financial documentation provided to the U.S. Immigration Service is acceptable.

Only original copies of the required documents will be accepted. An I-20 form will be issued only after a student meets all of the above admission requirements, sends the University verification of financial responsibility, and is actually admitted.

Non-immigrant students holding the F-1 Visa may apply for part-time on-campus employment when the University is in session and full-time employment when the University is not in session. Admitted students holding Visas other than a F-1 should consult directly with the Financial Aid Office concerning the availability of financial aid. A limited number of merit-based scholarships are available to international students. International students are strongly encouraged to submit SATI or ACT test scores to be considered for scholarship.

Readmission to the University

Student in Good Academic Standing. Students who voluntarily withdraw from the University in academic good standing may return upon formal completion of an application for readmission and with approval from the Office of Admissions. Readmitted students are subject to University requirements and policies in effect at the date of their readmission. Readmission to the University by the Office of Admissions does not guarantee on-campus housing or financial aid. Readmitted students requesting on-campus accommodation or financial assistance must contact the appropriate offices for information.

Students Dismissed for Academic Deficiency. Students who wish to return to the University after receiving notice of dismissal for academic deficiency, or who have withdrawn from the University with less than a 2.0 cumulative grade point average, may file an application for readmission with the Office of Admissions. The Office of Admissions may require an interview prior to rendering a decision on the application. Readmission is not guaranteed. If readmission is granted to a student in the above category, the student will be placed on academic probation and will be required to participate in an academic intervention program. Readmitted students are subject to University requirements in effect at the date of readmission. Readmission with probation status does not guarantee on-campus housing or financial aid. Readmitted students requesting on-campus accommodation or financial assistance must contact the appropriate offices for information.

Second Baccalaureate Degree

Eastern Connecticut State University undergraduate students may complete two baccalaureate degrees simultaneously by fulfilling all undergraduate graduation requirements, accumulating a minimum of 150 credits, fulfilling a minimum 60 credit residency, and meeting all requirements of both majors with at least 15 credits in each major earned at Eastern.

Eastern baccalaureate degree holders may earn a second baccalaureate degree by fulfilling all undergraduate requirements, accumulating a minimum of 150 credits, fulfilling a minimum 60-credit residency, and meeting all requirements of the second major, with at least 15 credits in the second major earned at Eastern.

Baccalaureate degree holders from a regionally accredited college or university wishing to earn a second baccalaureate from Eastern Connecticut State University must meet the minimum 30-credit residency requirement and all requirements for the major, with at least 15 credits of the major completed at Eastern.

Inquiries regarding a second baccalaureate should be directed to the Office of Admissions.

Additional Major, Minor, or Certification

Eastern Connecticut State University baccalaureate degree holders wishing to complete an additional major, minor, and/or certification to teach are subject to a program of studies meeting only the new major, minor, and/or certification requirements. An additional degree is not required. A second residency is not required. For information consult the Office of Admissions.

Non-Matriculated Students

Students who do not plan to earn a degree from Eastern or who are uncertain about their educational plans may enroll in courses on a non-matriculated basis through the School of Continuing Education.

Students attending Eastern in non-matriculated status who have demonstrated academic success are encouraged to apply for admissions as explained in the general admission procedures section. Interested students should apply to the Office of Admissions as early as possible as admission to the University or the program of choice is not guaranteed to non-matriculated students.

Please note that all grades for courses taken at Eastern, both before and after admission, will be used to determine graduation eligibility. Students planning to pursue a degree must apply for matriculation before completing 30 credits. Individuals in F-2, B-1, or B-2 immigration status may violate their status by matriculating into a degree program.

Change of Student Status

Students wishing to change their status from full-time to part-time or from part-time to full-time must submit the change of status form to the Registrar's office. This request for change of status should be made at least two months before the start of the semester. The student must be in good academic standing according to University standards when requesting a change from one status to another. Requests for change of status are subject to review and are not guaranteed.

UNDERGRADUATE EXPENSES

As part of the Connecticut State System of Higher Education, Eastern Connecticut State University offers a high quality education program at moderate cost. Details of the expenses appear below. The schedule of tuition, fees, methods of payment, and refund policies are valid at the time of publication of the catalog and are subject to change as required. The following fees are for the Fall 2008 and Spring 2009 academic year.

Application Fee

A non-refundable fee of \$50 is required of all new students applying for full- or part-time admission and is payable at the time of application.

Tuition and Fees (per semester)

| | <u>Connecticut Resident</u> | <u>Out-of-State Resident</u> |
|-------------------------------------|-----------------------------|------------------------------|
| Tuition (12 or more semester hours) | \$1,757.00 | \$5,686.50 |
| State University Fee | 439.00 | 1,301.50 |
| University General Fee | 1,301.50 | 1,078.50 |
| Student Activity Fee | 80.00 | 80.00 |
| Information Technology Fee | 125.00 | 125.00 |
| Tuition and Fees* | 3,703.00 | 8,271.50 |

**Plus Sickness Insurance as specified below.*

Tuition charges are determined on the basis of in-state or out-of-state residency. The failure of a student to disclose fully and accurately all facts related to residence status shall be grounds for suspension or expulsion.

An undergraduate student is considered to be a Continuing Education or a part-time student if registered for fewer than 12 semester hours. A graduate student is considered to be a part-time student if registered for fewer than 9 semester hours. Such students will be charged Continuing Education fees.

New England Regional Student Program

| | |
|---------------------------------------|-------------------|
| Connecticut Resident Tuition and Fees | \$3,703.00 |
| New England Regional Student Program | \$879.00 |
| Tuition and Fees* | \$4,582.00 |

** Plus Sickness Insurance as specified below.*

| | |
|---|----------|
| Sickness Insurance Fee (estimated annual) | \$625.00 |
| For students entering in the spring semester, the sickness insurance fee is | \$330.00 |

This is a mandatory fee unless specifically waived. For waiver qualifications, see Waiver of Sickness Insurance Fee section.

Housing Deposit (non-refundable) **\$250.00**

The non-refundable Housing Deposit of \$250.00, applied to housing rates, is due within 15 days of invoice date.

Housing Rates (per semester)

Assignment to residence halls and apartments is made by the Housing and Residential Life Office. Room rates include internet, e-mail and local telephone hook-up.

Residence Hall Rates (per student, per semester)

Burnap, Crandall, Winthrop and Burr Halls

| | |
|-----------------------|------------|
| One student per room | \$3,371.00 |
| Two students per room | \$2,477.50 |

Apartment Rate (per student, per semester)

| | |
|----------------------------------|------------|
| Noble Hall Single | \$4,207.00 |
| Noble Hall Double | \$3,085.00 |
| Occum Hall Single | \$3,699.00 |
| Occum Hall Double | \$2,910.00 |
| Windham Street Apartments Single | \$4,207.00 |
| Windham Street Apartments Double | \$3,027.00 |
| Nutmeg Hall | \$3,324.00 |
| Laurel Hall | \$3,324.00 |

Suite (per student, per semester)

| | |
|-------------------|------------|
| Niejadlik Hall | \$3,170.00 |
| Mead Hall | \$3,101.00 |
| Constitution Hall | \$2,815.00 |

Board Rate (per semester)

| | |
|---------------------------|-------------|
| Occum 120 Block Meal Plan | \$1,095.00* |
|---------------------------|-------------|

Required of all students living in Occum Hall (except for freshmen who will be required to take the SILVER Meal Plan). Occum Hall residents may opt for the SILVER or GOLD Meal Plan in lieu of required Occum 120 Block Meal Plan.

| | |
|------------------|-------------|
| SILVER Meal Plan | \$1,950.00* |
| GOLD Meal Plan | \$1,995.00* |

All freshmen living on campus and residents of Burnap Hall, Burr Hall, Crandall Hall, Mead Hall, Niejadlik Hall, Constitution Hall and Winthrop Hall are required to be on the SILVER Meal Plan and are automatically assigned. The GOLD Meal Plan is optional. For more information on the GOLD Meal Plan and all other meal plans please see our website at www.easternctdining.com.

| | |
|----------------|------------|
| 150 Block Plan | \$1,230.00 |
| 75 Block Plan | \$585.00* |
| 50 Block Plan | \$400.00* |

Residents living in Noble Hall, Nutmeg Hall, Laurel Hall, Windham Street Apartments (High Rise and Low Rise) and commuters may choose any of the meal plans above as an option. Meal plans are not required in these buildings. Any student living in an apartment or residing off campus may select any of the board plans.

*Prices are subject to increase. Please check the website at www.easternctdining.com for the most current pricing. The GOLD Meal Plan includes \$175.00 Dining Dollars; the SILVER, Occum 120 Block Meal Plan and 150 Block Meal Plans include \$125.00 Dining Dollars. The 75 and 50 Block Meal Plans include \$25.00 Dining Dollars.

Late Payment Fee **\$50.00**

A late fee will be assessed on payments received after the established due dates.

Returned Check Fee **\$25.00**

A fee will be charged for any checks which are not honored by banks.

Deposits

The following non refundable tuition and housing deposits will be billed:

Admissions Deposit (Nonrefundable) **\$ 200.00**

Fee due from new students by May 1 or within 15 days of invoice date, applied to the tuition.

Housing Deposit (Nonrefundable) **\$250.00 per semester**

Applied to housing rates. The deposit is due within 15 days of invoice date.

Cooperative Education Fee

The fee for participating in the Co-op program for one co-op cycle is \$100.

Transcript Fee **\$30.00**

A one-time charge for first-time students that gives them unlimited access to their academic transcripts.

Miscellaneous Student Expenses

Students furnish their own textbooks, notebooks, writing implements and art supplies. Approximately \$584 per semester should be allowed for textbooks. Students should also be prepared to spend money for field trips since these activities may be an integral part of their educational program.

Payment Due Dates

All University fees are to be paid when due in accordance with dates established by the University. Students who do not pay bills by the required dates are subject to loss of University privileges, including cancellation of registration, the right to register for courses, issuance of transcripts, participation in Commencement Exercises and student work privileges, and are subject to referral to a collection agency in accordance with state procedures. The lifting of such restrictions will occur either upon full payment of all unpaid balances or when satisfactory arrangements have been made with the Bursar's Office in conformity with University policy.

Responsibilities for Expenses

It is the responsibility of students to assure that their bills are paid. Eastern recognizes the need of students to manage the payment of tuition and fees effectively. To meet this need, Eastern has established a relationship with TuitionPay, a Sallie Mae company that provides financial management services to higher education institutions. The services include providing students with the ability to spread the payment of tuition and fees by means of a monthly installment arrangement. Students who cannot pay their tuition and fees in full are strongly encouraged to establish a monthly payment plan with TuitionPay.

Charges for housing damages, delinquent phone charges, unreturned Sports Center and athletic equipment, health services equipment, lost or unreturned library books, and parking tickets will be assessed and are payable upon receipt of the bill.

Fee Schedule and Refund Policy

In accordance with the Higher Education Amendments of 1998 (Public Law 105-244), the federal government mandates that students receiving Title IV assistance who withdraw from all classes may only keep the financial aid they have “earned” up to the time of withdrawal. Title IV funds that were disbursed in excess of the earned amount must be returned by the University and/or the student to the federal government. This could result in the student owing funds to the University, the government, or both. The amount of earned aid to be returned is based on the percentage of enrollment period completed.

The refund policy below excludes the effect of the return of Title IV funds. Students receiving federal aid should consult with their University Bursar or Financial Aid office prior to withdrawal in order to determine the financial impact that the return of Title IV funds will have upon the student.

| FEE | DUE | REFUND POLICY |
|---|---|--|
| \$50 Application Fee | Upon submission of application | Nonrefundable |
| Tuition Deposit (UG/G) \$200 (\$100 applied to Tuition and Fees and \$100 applied to Orientation Fee) | May 1 or within 15 days of invoicing thereafter | Nonrefundable |
| Tuition and Fees | Fall semester not later than July 15 | Upon withdrawal from the University up to and including the first day of University-wide classes as defined by the published University calendar, 100 percent of the amount paid will be refunded. |

| FEE | DUE | REFUND POLICY |
|--|--|---|
| | Spring semester not later than January 2 | <p>60 percent of the balance will be refunded during the first two weeks of University-wide classes.</p> <p>40 percent of the balance during the third and fourth weeks of University-wide classes;</p> |
| | Spring semester | <p>No refund after the fourth week of University-wide classes.</p> <p>Students enrolling as full-time students may withdraw from the University as part-time students during the first week of University-wide classes without incurring the 40 percent withdrawal penalty.</p> |
| \$250 Housing Deposit | Fall semester not later than April 1 | Nonrefundable |
| Housing Fee – (applies to students who withdraw from the University) | Fall semester not later than July 15 | <p>Upon withdrawal from the University up to and including the first day of University-wide classes as defined by the published University calendar.</p> <p>100 percent of the balance paid less the housing deposit will be refunded.</p> |

| FEE | DUE | REFUND POLICY |
|--|--|---|
| | Spring semester not later than January 2 | <p>60 percent of the balance will be refunded during the first two weeks of University-wide classes;</p> <p>40 percent of the balance during the third and fourth weeks of University-wide classes;</p> <p>No refund after the fourth week of University-wide classes.</p> |
| Housing Fee (applies to students who remain enrolled, but withdraw from University housing) | | <p>Upon withdrawal from a residence hall up to and including the first day of University-wide classes as defined by the published university calendar, 100 percent of the balance paid less the housing deposit and the housing cancellation fee, if applicable, will be refunded.</p> <p>No refunds will be made after the beginning of University-wide classes.</p> |
| Housing Cancellation Fee (applies to students who remain enrolled, but withdraw from University housing) | Fall semester and Spring semester | <p>Upon withdrawal from a residence hall 15 to 28 days prior to and including the first day of University-wide classes as defined by the published University calendar. A 100 percent housing cancellation fee based upon the housing fee after deducting the housing deposit will be assessed.</p> <p>Upon withdrawal from a residence hall 1 to 14 days prior to and including the first day of University-wide classes, a 20 percent housing cancellation fee based upon the housing fee after deducting the housing deposit will be assessed.</p> |

| FEE | DUE | REFUND POLICY |
|--|--|---|
| Food Service Fee | Fall semester not later than July 15 | Refundable, on a prorated basis, upon withdrawal from University housing or the University. Full weeks will be used to prorate. |
| | Spring semester not later than January 2 | |
| Extension and Summer/ Winter Sessions - Registration | Fall, Spring, Summer and Winter Sessions Fee | Nonrefundable |
| Extension and Summer/ first Winter Session Course Fees | Fall and Spring Semesters courses greater than eight weeks in length | <p>100 percent refund through the first week of University-wide classes as defined by the published University calendar;</p> <p>50 percent refund during the second and third weeks of University-wide classes.</p> <p>No refund after the third week of University-wide classes.</p> <p>Students enrolling as full-time students may not withdraw from the University as part-time students during the first week of University-wide classes without incurring the 40 percent withdrawal penalty (see "Tuition and Fees" section above).</p> |

| FEE | DUE | REFUND POLICY |
|-------------------|--|--|
| | Summer/Winter Session courses greater than eight weeks in length | 100 percent refund prior to the second class meeting. 50 percent refund prior to the third class meeting. No refund after the third class meeting. |
| | Fall, Spring, Summer and Winter sessions courses less than eight weeks in length | 100 percent refund prior to second class meeting. No refund after the beginning of the second class meeting. |
| | Fall, Spring, Summer and Winter sessions courses less than three weeks in length | 100 percent refund prior to second class meeting. No refund after the beginning of the second class meeting. |
| EasternOnline Fee | Upon Registration | Nonrefundable |
| EasternOnline Fee | For Full Semester Course Offerings (Fall and Spring) | 100 % refund through the second week of the semester ending on the second Saturday. 50% refund through the third week of the semester ending on the third Saturday. |
| EasternOnline Fee | For Less than full semester Course Offerings (Winter and Summer) | 100 % refund through the first week of the class ending on the first Saturday after the course starts. No refund thereafter. |

Federal regulations require that all refunds be restored to Federal programs in the following priority sequence:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Unsubsidized Federal Direct Stafford Loans
4. Subsidized Federal Direct Stafford Loans
5. Federal Perkins Loans
6. Federal PLUS Loans received on behalf of the student
7. Federal Direct PLUS received on behalf of the student
8. Federal Pell Grants
9. Federal SEOG Program Aid
10. Other grant or loan assistance authorized by Title IV of the HEA

After obligations to the above are satisfied, funds will then be returned to

11. Other state, private, or institutional assistance
12. Student

Refunds of Tuition and Fees Under Unusual Circumstances

Under circumstances beyond the control of the student or in cases where attendance has been denied by the University, the University President may authorize the refunding of fees otherwise designated as non-refundable.

Continuing Education Fees

Assessed on Per credit basis, subject to change \$336.00

Visit www.easternct.edu/ce for current fee information. Non-refundable registration fees of \$35 are charged once each semester. Certain courses require material fees from approximately \$5 to \$30.

Transfer of Admissions Binder Within Constituent Units of the Connecticut System of Public Higher Education

The tuition deposit may be transferred within constituent units of the Connecticut system of public higher education provided enrollment in another unit occurs within 60 days of the beginning of the semester for which the deposit was paid to the institution.

Students desiring transfer should request that the Admissions Office at the institution they will be attending write to the former institution for documentation of transfer of tuition deposit.

Waiver of Tuition for Veterans and Their Children, Public Act 74-266 and 78-175

Under Connecticut statutes, full-time students who are veterans with active service during specific war periods may be entitled to a waiver of total tuition. Dependent children of Vietnam veterans declared missing-in-action or prisoners of war while serving in the armed services after July 1, 1960 are eligible for this waiver providing such children have been accepted for admission to Eastern Connecticut State University. Tuition waiver is available to Connecticut residents enrolled in a degree-seeking program.

Students who qualify for these benefits should bring discharge records and proof of established Connecticut residency to the Veterans Services Office for review. Students whose eligibility is based on the service of a parent should bring that parent's documentation of service.

By resolution of the Board of Trustees for the Connecticut State University, veterans, as defined above, are granted a 50 percent reduction in semester hour fees when enrolled in the School of Continuing Education. Admission to the University is a prerequisite. Contact the Veterans Services Office for further information.

Waiver of Tuition and State University Fee for Persons Sixty-Two Years of Age or Older

Under Public Act 74-282, the tuition and State University Fee shall be waived for any person 62 years of age or older who has been accepted for admission, provided such a person is enrolled in a degree-granting program or provided, at the end of the regular registration period, there is space available in the desired course(s). By resolution of the Board of Trustees for the Connecticut State University, this waiver also applies to credit hour fees for continuing education courses. No other fees are waived.

Connecticut National Guard Tuition Waiver

Connecticut state residents who are members of the Connecticut Army or Air National Guard and are enrolled as full-time undergraduates are eligible for a tuition waiver. The tuition waiver does not apply to other costs and fees, such as student fees, laboratory fees, etc. It covers the charges for tuition only. The waiver does not apply to summer session, winter intersession or part-time enrollment.

Eligible, full-time undergraduates must obtain a Certificate of Eligibility from their National Guard Unit and submit it to the Bursar's Office with their tuition bill each semester. For more information on this tuition waiver and other tuition assistance programs, such as student loan repayment programs, \$2,000 cash bonus, plus the GI Bill of \$198 per month, contact the National Guard.

Education Grant to Children of Deceased or Disabled Veterans or Missing in Action Members of the Armed Forces

Children between the ages of 16 and 23 of any person who served in the armed forces in time of war and who was killed in action or who died as a result of accident or illness sustained while performing active United States military duty, or who has been rated totally and permanently disabled by the Veterans Administration, or who is missing in action may be eligible for an education grant by the Connecticut Board of Governors of Higher Education. Information should be directed to the Connecticut Department of Higher Education at (800) 842-0229.

Waiver of Sickness Insurance Fee

The Sickness Insurance Fee may be waived. However, the Board of Trustees of the Connecticut State University requires that the waiver form necessary to excuse a full-time student from this insurance requirement shall affirm that the student has adequate sickness insurance coverage from an insurance carrier licensed to operate in the United States including the identification of the carrier and policy number of the alternate insurance if applicable. Waivers must be submitted via a student's online account on or before the first day of the semester. Contact that office for information.

Undergraduate Financial Aid

The Financial Aid Office assists both parents and students in finding support for a college education. In 2006–07, Eastern students received approximately \$33 million in scholarships, grants, loans, and campus employment. About 76 percent of the student body receives some kind of assistance.

All students and their parents, both prospective and returning, who wish to apply for any form of financial assistance while at Eastern are required to complete the Free Application for Federal Student Aid (FAFSA) each school year. Students who fully complete the FAFSA in compliance with institution deadlines automatically will be considered for a Federal Pell Grant as well as all other types of available aid.

Financial Aid and Billing

Financial aid, except for student work, automatically is applied to each semester's bill. If the charges exceed the financial aid award, the student must pay the balance by July 31 for the fall semester and by December 31 for the spring semester unless on a time payment plan. If the financial aid award exceeds the charges, the balance will be available to the student. Students on financial aid who withdraw during the first 60 percent of the term may lose a substantial amount of aid, per federal regulation.

Deadlines

For an applicant to be considered on time, the FAFSA must be received by the processor by:

- March 15th for the fall semester
- November 15th for the spring semester (spring admits only).

In order to be considered for most types of assistance, a student must be matriculated and enrolled at least half time (six credit hours per semester). Some aid, however, is available to less than half-time students who are matriculated. Aid recipients who drop below half-time must inform the Financial Aid Office.

Financial aid information may be secured through the Financial Aid Office in the Alvin B. Wood Support Services Center, (860) 465-5205, or on our web site, send an email to financialaid@easternct.edu.

Policy on Satisfactory Academic Progress for Financial Aid

In order to obtain and retain financial aid, currently enrolled students must make satisfactory progress toward a degree. When planning withdrawal from courses or from the University, students should consider the impact of their actions on future receipt of aid. This policy is set by the Financial Aid Office and is different from other academic policies.

Full-time students must have completed, with passing grades, 24 credits during their most recent 12 months of study at Eastern to continue being eligible for aid. Copies of the complete policy are sent to all aid/loan recipients.

Students enrolled full time for the spring semester only must complete, with passing grades, 12 credits to continue to be eligible for aid. The number of required credits is less for part-time students.

Missing credits may be made up in winter intersession or summer session, usually at the student's own expense.

There is an appeal process. However, appeals are granted only at the discretion of the Vice President for Student Affairs, and any waiver of this policy may impose special conditions on a student's current or future academic performance. Contact the Financial Aid Office for additional information.

Time Payment Plans

The University has made arrangements with Academic Management Services (AMS) to offer students/parents the opportunity to pay tuition and fees through extended monthly payments. Information on the time payment plan may be obtained by contacting the Bursar's Office or AMS (800) 635-0120.

Student Employment

All University-funded employment for matriculated students is administered through the Financial Aid Office. Opportunities are not limited to those receiving financial aid. Interested students are responsible for locating on-campus positions by applying at various academic and administrative departments. Go to www.ecsujobs.org to see listings. Emphasis is on gaining valuable work experience related to the major whenever possible.

Students who are awarded work as part of their financial aid package also are encouraged to investigate available community service positions (or to find their own placements). These paid positions are usually located off campus and are available in many fields offering a wide variety of work experience. Students are encouraged to apply early as the number of positions on-campus and off-campus are limited. Again, check the web site for listings.

JOB MATCH

JOB MATCH helps locate part-time and summer jobs for matriculated students regardless of their financial need. Local employers list part-time jobs that assist students in developing career goals and help financially. Students must fill out an application to be registered with the program. Jobs currently available are listed on the JOB MATCH posting board in the main lobby of the Alvin B. Wood Support Services Center. The JOB MATCH Office is located in the Financial Aid Office.

Army and Air Force ROTC Subsistence Allowance

Students who are accepted into the Army or Air Force ROTC program may receive approximately \$5,000 during the junior and senior years. This consists of a tax-free allowance of \$200 for 10 months each year, and approximately \$900 for a five or six-week summer camp. To enroll in the advance portion a student must have at least two years of undergraduate or graduate school remaining. A student can take the introductory courses at any time, though students do not get the subsistence allowance for them.

Students are also eligible to compete for two, three, and four year ROTC scholarships. Each scholarship covers tuition and other fees, \$450 a year for books, and \$200 a month tax-free. You do not need to be enrolled in ROTC to apply for these scholarships. For more information call Army ROTC at (860) 486-6081/4538, or Air Force ROTC at (860) 486-2224.

University Honors Scholarships

Each year the University awards scholarships to outstanding students accepted into the faculty-administered University Honors Program. These scholarships, covering the costs of in-state tuition, may be renewed for students who maintain the academic standards required of Honors Scholars for a maximum of eight semesters. Out-of-state students may also receive scholarships that equal the value of in-state tuition. Contact the Honors Program at (860) 465-4317.

Academic Excellence Scholarships

These scholarships are offered to incoming students who meet specified criteria. Recipients are identified during the admissions process. There is no separate application.

Eastern Competitive Scholarships

This is an annual competition primarily for current students. Please see the Financial Aid web site for additional information.

Student Services

Dr. Paul A. Bryant, *Acting Vice President for Student Affairs*
Kenneth M. Bedini, *Acting Dean of Students*

Student life at Eastern has the objective of self-fulfillment for each member of the student community in harmony with the University's stated purpose of developing skills, knowledge, and attitudes for effective living in a democratic society. Students have the opportunity to participate actively in University governance with faculty and administrators, in a wide variety of extracurricular activities, in numerous organizations, and in an extensive intramural program.

General Regulations

Students at Eastern Connecticut State University are expected to conduct themselves in accordance with state and local laws and the stated policies of the University. Recognizing its role as a state university and its relationship to state government, Eastern places emphasis on developing student conduct which will contribute positively to the roles its graduates play as individuals in society.

Information concerning regulations of the University is available in the Student Handbook, which states the campus rights and responsibilities, University alcohol policy, and the rules and regulations for campus residence halls. The University holds each student responsible for regulations as outlined. Copies of this document are available from the Office of Student Affairs. Students with questions are encouraged to seek clarification from the appropriate office.

Student Center

Located on the North Campus the newly renovated Student Center serves as a home away from home for students while providing a variety of services. The lower level houses a state of the art fitness center, offices for the Student Government Association, the Campus Activity Board, the Sustinet yearbook and the Campus Lantern. The Intercultural and Women's Centers are also found on this level. The upper level consists of meeting and conference rooms, the Atrium lobby, Food Court, a theatre and the Betty R. Tipton room.

The Student Center not only provides students with the opportunity to meet on an informal basis, it is also the major facility for student sponsored activities and campus events.

Orientation

Each year an undergraduate summer orientation program and welcome weekend are conducted to acquaint all new students with the aims, resources, policies, and procedures of the University. The programs assist students to get to know each other, their student leaders, and the faculty and staff. Aspects of the programs, designed to help students succeed in college, are extended throughout the year. Student orientation leaders meet with new and transfer students and parents in small group settings to familiarize them with Eastern's academic opportunities and student support services.

Counseling and Psychological Services

Dr. Anne Patti, *Director*

Counseling and Psychological Services at Eastern exists to help students grow and work toward a fuller educational and personal experience during their college career. It is hoped

that these goals will be extended and realized in the lives of students after they leave Eastern. Counseling is confidential and available to all Eastern students at no charge. There is no record in a student's file that counseling has been received. Students may seek counseling for a variety of reasons such as test anxiety, difficulties in coping with roommates, family problems, relationships, physical/sexual abuse, rape, feelings of confusion, depression and emptiness, substance abuse, sexual identity issues and many other personal problems. Counseling and Psychological Services is located at 192 High Street.

Office of AccessAbility Services

Pamela J. Starr, *Coordinator*

The Office of AccessAbility Services (OAS) is available to assist students with documented disabilities and their special needs. Services are also extended to students who may become temporarily disabled due to an accident, surgery, or other conditions. The OAS will coordinate with appropriate agencies and individuals to facilitate the transition into the University. Services include, but are not limited to, assisting with registration, orientation, and housing; and providing academic strategies and accommodations. The OAS strives to improve access for students by removing existing barriers that are physical, programmatic, and attitudinal as well as the prevention of the creation of new barriers.

Office of Career Services

Nancy DeCrescenzo, *Acting Director*

Career Services is designed to meet the career counseling and employment needs of all Eastern Connecticut State University students, from freshman year through graduation. Alumni are also assisted in their search for new or better career opportunities. Programs and services are designed to guide and support while fostering self-direction and personal responsibility in career/life planning. The office helps students at any point during their college years to:

- identify and evaluate skills, interests, abilities, and values
- relate academic pursuits to career goals and objectives
- gather factual information about occupational fields
- build an awareness of the world of work
- define personally meaningful career objectives
- develop job-search skills
- explore cooperative education and internship opportunities
- find rewarding careers after college

Programs and Services

- **Career Counseling** - Clarify career goals, choose major, explore options, examine interests, values and talents. Self-assessment is essential to career development.
- **Resume Review** - Department staff review and offer constructive feedback on resume and cover letters. 72-hour drop-off or mail service.
- **Workshops** - Group sessions on career exploration, resume preparation, interview techniques, and job search strategies are conducted throughout the academic year.
- **Company and Alumni Programs** - Alumni and other professionals discuss their career paths, backgrounds, job responsibilities, and the world of work in these information panel discussions.

- **Recruitment** - An on-campus interviewing and recruiting program with employers in business, industry, government agencies, and school systems.
- **Career Information Center** - Career and employer literature, graduate and professional school guides and job market information are among the resources in the Career Information Center located in the library.
- **FOCUS** - Focus is a web-based, personalized career and education planning system. Use Focus to create plans so you can manage your career, be proactive, control your destiny, and take advantage of career opportunities. Meet with one of our career counselors to be assigned a username and password for the system.
- **Virtual Career Resources** - The Internet is a useful tool, especially when coupled with traditional job search methods. Registering and creating a resume on-line through our home page (<http://www.easternct.edu/depts/career/>) provides access to invaluable career information and resources, as well as employment postings.
- **Mock Interviews** - Counseling staff will conduct a practice interview and provide on the spot feedback on non-verbal behavior and interview answers.
- **Career Fairs** - Accounting Career Fair, October; Graduate School Fair, November; Liberal Arts Career Fair, March; and Education/Social Services Career Fair, April.

To contact Career Services staff, call **(860) 465-4559** or refer to our web page at www.easternct.edu/depts/career/.

Cooperative Education

Cooperative Education is a structured educational program where students can apply classroom learning with productive work experience in a field related to the student's academic or career goals. Co-op is a partnership among students, the University, and employers. The work experience is paid and can be with a major corporation or small business. Major emphasis is placed on full-time positions, (lasting six months) which facilitate experiential learning and provide students with financial assistance. To participate, a student must have completed 30 credits of college work; 15 credits must have been taken at Eastern. A grade point average of 2.0 or higher is required.

Students may register for Cooperative Education work assignments after approval of the Co-op professional staff. The Co-op professional staff will carefully screen all Co-op positions. Each Co-op course may carry six or 12 administrative credits, which will be recorded on official transcripts. Administrative credit for Co-op courses may not be counted toward graduation.

To register for the Co-op Program, students should attend an Information Session offered several times during each semester. The session provides details about the program and how it works; advantages to the student, including credit issues; and enrollment procedures. After attending the Information Session, students who are interested in participating should prepare a draft of a resume and officially enroll in the program.

Students are encouraged to enroll in the program one semester prior to the semester they wish to be placed. Early enrollment enables the staff to develop an appropriate position for the student and allows time for the student to prepare a resume and develop interviewing skills.

The Co-op staff strives to locate and develop a variety of jobs, but placement is not guaranteed. Students may locate their own positions and request approval by the Co-op staff. A \$100 administrative fee is charged for each semester's placement, including summer. Other fees may be added.

For information about the Co-op Program, call (860) 465-4559 or refer to our web page at www.easternct.edu/depts/career/.

Office of Community Service

The Office of Community Services, staffed by VISTA volunteers, lists a wide variety of service opportunities on our website: www.easternct.edu/depts/communityservice.com. Active community involvement is a critical component of a well-rounded academic and professional experience for students, staff, and faculty. The Community Service Office, located in Room 224 of the Alvin B. Wood Support Services Center, is committed to fostering an active culture of community service at Eastern Connecticut State University.

In addition to gaining a deeper understanding and appreciation for the diverse communities that make up greater Windham County, community involvement can assist in clarifying career goals, improving organizational and communication skills, and building systems of support. The Community Service Office is committed to providing this experience to the Eastern community.

The Office's goal is to increase the interest in and demand for community service opportunities at Eastern. The Office of Community Service serves as a clearinghouse, linking the University community to meaningful volunteer opportunities throughout the greater Windham Community. We work closely with the campus community to create a culture of community service that recognizes the importance of establishing meaningful and sustainable relationships with individuals residing in the communities within which we work. Please call us at (860) 465-0684 or (860) 456-5158 for more information.

Women's Center

Located in Room 116 of the Student Center, The Women's Center promotes gender equality by critically examining cultural ideals of gender and gender relations. Through speakers, programs, movies, workshops, fundraisers, and cultural events the Women's Center leads students and faculty in an ongoing and open ended discussion about what it means to be a woman or a man at the dawn of a new century and how the meaning and experience of gender is shaped by social class, ethnicity, age, religion, sexual orientation, and geographical location.

For assistance or information please call (860) 465-4313.

Substance Abuse Prevention

Aliza Makuch, *AOD Prevention Coordinator*

Phone: (860) 465-5281

Web address: www.easternct.edu/depts/stuaff/sap/index.html

Eastern Connecticut State University is dedicated to keeping students safe, healthy and successful. Far too often alcohol and other drugs (AOD) get in the way of that goal. The Office of Substance Abuse Prevention works to reduce students' use of AOD and the negative consequences students face as a result of their and others' AOD use. The Office works alongside students, faculty and staff as well as other departments and organizations on and off campus in order to create a healthy environment for all students.

Prevention Services Include:

Screening and Referral - Students are referred to the Office of Substance Abuse prevention when a faculty, staff or fellow student is concerned about their AOD use. In most situations, this referral happens when a student violates the campus alcohol policy or is found to be intoxicated on campus. Trained staff work with these students one-on-one to talk about their AOD use and to determine what support they might need in order to make safer, more responsible decisions.

Mentoring and Support Groups - Through a peer leadership network, the Office of Substance Abuse Prevention connects students with trained peers to help connect them to support services, alcohol free activities, or other positive programs/opportunities on campus.

Alcohol EDU - AlcoholEDU is an online, educational curriculum that is mandatory for all incoming first-year students.

Campus-wide Programming and Education - The Office of Substance Abuse Prevention coordinates prevention programming and educational outreach for the entire student body. These efforts are designed to increase the awareness of AOD issues and to educate the campus community on ways to make safer, healthier, more responsible decisions when it comes to AOD use. Examples of programs include: social norms marketing, special events and speakers, residence hall education and presentations, classroom discussions, and dissemination of posters, flyers and brochures.

Campus Task Force - The Office of Substance Abuse Prevention coordinates the Wellness Committee which works to ensure a positive, healthy environment for all students. The work of the Committee includes: assessment of AOD and health related issues, campus-wide health-related programming, and policy review and revisions.

Community Coalitions - The Office works to support two community-based work groups designed to address quality of life and student behavior issues in the local community.

Peer Advocates for Safe Students (PASS) - PASS is a peer education, leadership and advocacy group whose main goal is to encourage safe decision making among their fellow students. Among other things, PASS members serve on campus committees, as peer mentors, and as programmers to bring positive, alcohol free activities to campus. While alcohol is the biggest concern for student safety, PASS activities also focus on safe sex practices, stress reduction and other quality of life issues.

Programming for Student Athletes - The Office of Substance Abuse Prevention is responsible for coordinating the random drug testing in accordance with NCAA policies. In addition, the office is responsible for providing AOD education for all student athletes. Programming includes special events and speakers, team-based education and discussion, and individual support for students with AOD issues.

Health Services

Robert Jenette, M.D.; *Physician, Director of Health Services*

Geeta Pfau, R.N., Ph.D.; *Nurse, Assistant Director of Health Services*

Dorothy Philips, A.P.R.N., M.P.H.; *Nurse Practitioner, Assistant Director of Health Services*

Christine Corrigan, A.P.R.N.

Phone: (860) 465-5263

Fax: (860) 465-4560

Internet address: www.easternct.edu/depts/health

Student Health Services is located at 185 Birch Street, adjacent to Windham Street Apartments. We welcome students who have health problems and those with questions or concerns about staying healthy. Our office also provides full gynecological services for women, including yearly PAP tests and contraception.

Professional staff includes a full-time physician, a registered professional nurse, and two nurse practitioners. We see students by appointment.

Visits are free and are not submitted to your health insurance plan. For a small charge, we provide some prescription medications and minor diagnostic testing.

Health Service Hours:

Monday: 9 a.m. – 5 p.m.

Tuesday - Friday: 9 a.m. – 4:30 p.m.

If a medical emergency occurs when the Student Health Services office is closed, students should call 911 or go to the Emergency Department of Windham Community Memorial Hospital, located at 112 Mansfield Avenue in Willimantic. Another source of immediate care for non-emergencies in the evenings and on weekends is the Med-East Walk-In Center, located in Gateway Commons on West Main Street in Willimantic. The phone number is (860) 456-1252. MedEast accepts most insurance plans including the sickness insurance policy offered by Eastern.

Health Requirements:

All new full-time students must have had a complete physical examination within one year before the date they enter Eastern. Connecticut state law requires that all full-time and part-time students must show proof of two Measles (Rubella) immunizations and one German Measles (Rubella) immunization. Also, all new students must have completed a Tuberculosis screening assessment within six months before the date they enter Eastern. Students who fail to meet these requirements will not be allowed to register for upcoming semesters. For students living on campus, immunization for Meningitis is required by Connecticut State Law before moving into a residence hall. We also strongly recommend the Hepatitis B vaccine series if it has not already been completed.

All the required immunizations are available through the Student Health Service office for a fee. Please see the CSU Health Form for more specific details on health requirements. Health forms and additional health information can be downloaded and printed from our web site at www.easternct.edu/depts/health.

We encourage you to call the Health Services office, or stop by, if you have questions or concerns about these health requirements.

Insurance

Eastern requires all full-time students to carry comprehensive medical insurance, either a private plan or coverage available through Eastern. See the information below or log onto our website for more information about the sickness and accident insurance offered by Eastern. Also, you can get additional information at www.aetnastudenthealth.com.

Accident Insurance

As part of the student fee, each full-time student is automatically covered under an accident insurance plan, which provides the following benefits:

- Coverage is for 24 hours a day, on and off campus, from August 1 through July 31, or until full-time enrollment is terminated.
- The maximum payment for an injury is \$25,000.
- For an auto accident, the maximum payment for injury is \$1,000 (for injury resulting from travel to or from an official school activity).
- For injury to natural, sound teeth, the maximum payment is \$2,500.
- Benefits under this plan are paid on an “excess” basis. This means that expenses are not paid if they are covered by another health care plan.
- This insurance supplements, not replaces, other insurance.

Sickness Insurance

All full-time students are automatically enrolled and billed for the University-sponsored sickness (health) insurance plan from Aetna unless they submit a waiver indicating they have private health insurance coverage. Details of the plan are described in the insurance booklet all students receive. If you believe you have adequate private health insurance and do not wish to purchase the Eastern-sponsored plan, you must complete an online waiver opting out of the plan. Go to our web site, www.easternct.edu/depts/health and click on “Insurance Information”. Once you complete the process, the sickness insurance will be canceled and the premium will be waived. We recommend that you carefully review any private health insurance coverage you have in order to understand what rights and restrictions are contained in your policy. If you wish to discuss your health insurance coverage, please call Student Health Services at (860) 465-5263.

Full-time students who have enrolled for sickness insurance may choose to enroll eligible dependents and arrange to pay the appropriate premiums. Health insurance is also available to students attending Eastern on a part-time basis.

For specific questions about coverage, benefits, claims, or ID cards, please call Aetna Student Health at (877) 375-4244 or visit the insurance web site listed above.

Residential Life

Walter Diaz, *Acting Director*

A variety of living accommodations is provided for full-time undergraduate matriculated students attending Eastern. Every effort is made to provide undergraduate residences that will contribute to comfortable living in an environment conducive to study, personal growth and socialization. It is Eastern's understanding that education extends beyond the classroom and library to the campus residence halls, dining hall and student center where the exchange of ideas amongst students, faculty and staff is an integral part of the educational process. The Office of Housing and Residential Life is located in room 241 on the second floor of the Alvin B. Wood Support Services Center. For information, please call (860) 465-5297.

Freshmen Residence Halls

The University maintains both traditional and suite-style co-ed residence halls for freshmen. Burnap, Crandall, Winthrop and Burr are the traditional halls with Mead and Constitution as the suite style halls. All students in these halls must purchase on the campus SILVER Meal Plan.

Upper Class Residence Halls and Apartments

The University maintains suite and apartment-style residence halls and apartments for upperclassmen. Niejadlik Hall is the suite-style facility that requires the SILVER Meal Plan. Occum Hall is full-service apartments, but requires the Occum 120 BLOCK Meal Plan. Noble, Nutmeg, Laurel and the Windham Street Apartments are full-service apartments where students may cook their own meals. Students in these facilities may also purchase one of the many campus meal plans.

Residence Life Information

A professional residence hall director with a staff of student resident assistants is responsible for the administration of each residence facility on campus.

All rooms are furnished with beds, dressers, wardrobes, desks, and chairs. Each has lounges and laundry facilities. Most have computer labs, study rooms, TV/Media rooms and several also have exercise rooms.

Students are expected to bring bed linens, pillows, bedspreads, metal wastebaskets, study lamps and other personal items subject to personal taste. Please consult with the Office of Housing and Residential Life for more information. You can also check out the Housing and Residential Life web page at www.easternct.edu/depts/housing.com.

Due to space limitations, housing cannot be offered to graduate students or married students. All students living on campus must be enrolled for a minimum of 12 credits during the regular academic year.

Campus housing is conveniently located across the campus and within walking distance of all other campus buildings. The campus also provides a shuttle bus system for students to use.

All resident students are subject to rules and regulations issued jointly by the Office of Housing and Residential Life and the Connecticut State University System. Students sign a contract agreeing to abide by them and in principle to be good citizens.

Housing for Students with Disabilities

University housing for students with disabilities is available. Please contact the Office of Housing and Residential Life at (860) 465-5297 or the Office of AccessAbility Services at (860) 465-5573 for more information.

Residence Hall Fees

Fees for residence hall and food service only cover the period of time in the academic year known as the fall and spring semesters. Campus Housing is closed during scheduled vacations and shutdown periods. The University reserves the right to designate campus housing for use during winter session and summer periods and when doing so students will be made aware of those opportunities and the fees associated with them.

Housing Refunds

Refunds for housing are very limited, but do exist in certain circumstances. They are typically prorated and require the withdrawal from the University by the student. For more information, please contact the Office of Housing and Residential Life or the University Bursar's office at (860) 465-5287 or check the section in this catalog about refunds.

Food Service

All students living in the following University residence halls are required to participate in the SILVER Meal Plan or GOLD Meal Plan: Burnap, Burr, Constitution, Crandall, Mead, Niejadlik and Winthrop Halls. Freshmen students assigned to any residential facility are required to participate in the SILVER or GOLD Meal Plan. Occum Hall residents, other than freshmen, are required to be on the OCCUM 120 BLOCK Plan. No exceptions will be made. All full- and part-time students; students living off campus; and residents of Noble, Nutmeg, and Laurel Halls and Windham Street Apartments may participate in the 50 BLOCK, 75 BLOCK, 150 BLOCK, SILVER or GOLD Meal Plan. Students with medical authorization for special dietary requirements should file such authorization with the University Health Services Department. Health Services will make arrangements with food service management for preparation of required dietary needs. Other dietary needs are also accommodated by food service management. Visit our web site at www.easterncctdining.com or call Card Services at (860) 465-5060 for more information or to request a Dining Services brochure.

Card Services Office

Gisele Stancil, *Director of Auxiliary Services*

Registered students may obtain an Eastern Identification Card from the Card Services Office located in the Wood Support Services Center, 2nd floor. A course schedule and a photo I.D. (license, passport) are needed to obtain a University I.D. card. Students retain their I.D. card each year. Undergraduate matriculated students will be sent a semester validation sticker to validate their I.D. each semester. Graduate and non-matriculated students should come to Card Services to have their I.D. validated. I.D. cards are required for use of the Sports Center and Library facilities.

Students may also participate in Eastern's Cat Card CAT CASH Program. This is a prepaid account (debit card) accessed with the Eastern Student I.D. – no need to carry cash. Students can deposit money into a CAT CASH Account to make purchases at participating locations on and off campus. CAT CASH can be used at the Eastern Bookstore, for laundry machines in the residence halls; for printing, copying and late fines at the Library; for campus vending machines; and for ticket purchases for Student Activity, off-campus merchants and Harry

Hope Theatre events. Health Services charges, lost I.D. and fob replacement fees at Card Services can also be paid using CAT CA\$H. Make a CAT CA\$H purchase at any campus food service location and receive a five percent discount. Visit the web site at catcard.easternct.edu or call Card Services at (860) 465-5060 for more information.

Campus Bookstore

The bookstore, located in the Student Center, sells textbooks; school, laboratory and art supplies; New York Times bestsellers; computer software; newspapers and magazines; clothing; health and beauty aids; snacks; and other merchandise.

ECSU Police Department

Jeffrey Garewski, *Chief of Police/Director of Public Safety*

Derrick T. McBride, *Lieutenant/Executive Officer*

Community policing is the hallmark of the Eastern Police Department. It underlies the operation of a safe and secure environment in which members of the university community may learn, work and live. Community policing focuses on becoming part of campus life in a more service-oriented approach. This means servicing the needs of the campus in a friendly and cooperative atmosphere.

This does not diminish the fact that the Eastern Police Department officers are state certified, having the same authority and powers of arrest as state and local police officers. This authority ensures that professionally trained personnel in law enforcement handle all safety concerns on campus.

In providing a secure campus, many safety programs have been put into place. There are emergency phones ("blue phones") and security cameras located throughout campus that are linked directly to the University Police Department. In addition to police vehicles, the University Police Department has a bike patrol that cover areas that cannot be reached by police vehicles.

Shuttle bus service is provided seven days per week as a courtesy to students. The shuttle buses are handicapped accessible.

A walking escort service is also provided by calling Dispatch at extension 55310. A card access system is in place that only allows those with proper I.D. to access halls and buildings on campus.

Parking permits, crime-prevention pamphlets, and other valuable safety information may be obtained from the University Police Department. In accordance with Section 10A-55A of the Connecticut General Statutes, a uniform campus crime report is published annually and is also available.

For emergencies both on and off-campus, dial "911"

For all non-emergencies, dial (860) 465-5310 or extension 55310 on campus

For weather hotline, dial (860) 465-4444, extension 54444 on campus, or (800) 578-1449

Campus Ministry

Rabbi Jeremy Schwartz; The Reverends Scott Bartlett, Donald Hoyle, and Laurence A.M. LaPointe

The University respects both the traditional separation of church and state and the rights of the individual regarding religious freedom. The Foundation for Campus Ministry, an

independent, multifaith agency, is active on campus. The spiritual needs of the students are met by a staff of campus ministers of various faiths. The ministers are available to assist members of the academic community with religious concerns of a personal or general nature. The Campus Ministry sponsors a variety of programs on religious, moral and social topics, both independently and in cooperation with various local and University offices. The Campus Ministry office is located in the Interfaith Center, Knight House.

Intercultural Center

Dr. Indira Petoskey, *Coordinator*

The Intercultural Center is comprised of the Office of International Programs and the Office of Multicultural Affairs. The Center is committed to the goal of building bridges between groups and developing understanding, appreciation and respect for all members of the campus community. The Center also assist international students in making the transition to Eastern by providing information and guidance for ensuring University compliance with immigration regulations governing the enrollment of international students. Students can also participate in the National Student Exchange program, which is administered by the Intercultural Center. On national exchange, students have the opportunity to study at partner campuses throughout the United States, U.S. territories, and Canada.

The Intercultural Center continuously searches for new avenues and innovative ideas to actualize the University's mission in regard to diversity and multicultural understanding. The Center considers itself a friend to faculty, staff, and students. The Center provides a comfortable place to relax, while establishing an environment of learning and understanding. Not only does the Center provide university services, host clubs, programs, and student activities, it also supports the ideas, goals, and efforts of all the University's organizations with regard to diversity. The Center is located in the Student Center. For more information, call (860) 465-5749.

The Office of Institutional Advancement

Kenneth J. DeLisa, *Vice President for Institutional Advancement*

The Office of Institutional Advancement comprises the Office of Development in coordination with the ECSU Foundation, Inc.; the Office of Alumni Affairs; and the Office of University Relations. Working together, the Institutional Advancement office develops and manages a comprehensive fundraising and friend-raising program that supports the University's mission and acknowledges its accomplishments.

In addition, the University Relations Office provides campus-wide support with responsibility for publications, internal and external communications and public relations.

The Office of Institutional Advancement coordinates the Annual Fund to support current needs of the University that otherwise might be unmet, through direct mailings to alumni, parents, and friends of the University. Additionally, the development function is responsible for grant making and major gifts in support of the initiatives of the University.

The mission of the Office of Institutional Advancement continues to focus on building relationships and communicating the opportunities that Eastern provides for its students as they prepare to meet the challenges of the complex world in which we live.

The Eastern Connecticut State University Alumni Association

Kenneth J. DeLisa, *Vice President for Institutional Advancement*

The Eastern Connecticut State University Alumni Association is a nonprofit organization whose members number more than 19,000 graduates and former students. The Association's purpose is to foster helpful relationships among the alumni, the faculty, and Eastern students, as well as to promote the interests and mission of the University.

The Association's Board of Directors meets five times annually, and assists with the coordination and planning for various alumni association sponsored events.

The Alumni Career Exchange (ACE) is designed to provide students and alumni with networking resources and advice about careers.

The Alumni Association annual giving program raises funds to support University projects and student scholarships each year.

Each year, the Association presents "Awards for Excellence" to alumni and distinguished members of the University community, including the Distinguished Alumni Award, the Distinguished Service Award, the Hermann Beckert "Friends of the University" Award, and the School of Continuing Education Alumni Leadership Award.

The ECSU Foundation, Inc.

Kenneth J. DeLisa, *Vice President for Institutional Advancement*

Incorporated in 1971, the ECSU Foundation is a non profit, 501(c)3 tax-exempt organization dedicated to raising private funds to support programs at Eastern Connecticut State University.

The Foundation is directed by a volunteer board of business leaders and civic-minded friends of the University.

The Foundation raises funds for a variety of purposes central to the mission and needs of the University. Funding provides for new academic initiatives, student scholarships (undergraduate and graduate), faculty awards, faculty support, and special programs and equipment not funded by the state.

The Foundation receives its support through gifts from alumni, faculty, staff, parents, students, other friends of the University, and a growing circle of corporate and foundation contributors. Through their generous support, the Foundation can continue its mission to serve the University and sustain academic excellence at Eastern.

Office of Judicial Affairs

Kimberly Armstrong Silcox, *University Judicial Officer*

The Office of Judicial Affairs is located on the second floor of the Alvin B. Wood Support Services Center. The role of Judicial Affairs is to foster student ethical development and personal responsibility through enforcement of the Student Code of Conduct. Students who are alleged to have violated the Student Code of Conduct will meet with a Judicial Hearing Officer to discuss the incident. In some instances, students may elect or may be required to attend a formal hearing. Further information regarding student rights and responsibilities and judicial procedures can be found in the Student Handbook or on the Judicial Affairs web page.

Academic Support Services

Academic Advisement Center

Susan L. Heyward, *Director*

The Academic Advisement Center is located on the second floor of the Alvin B. Wood Support Services Center. The Center uses a proactive approach in providing organizational support for a variety of undergraduate advising functions on campus, as well as additional forms of academic assistance for full-time undergraduate students.

The Center supervises the overall faculty advisement system, coordinates advisement services for the registration process of continuing and new students, provides students with information and assistance regarding academic related matters, handles student academic appeals, and provides academic support services and activities to freshmen, undeclared, and probationary students.

Academic Advisement

The academic advisement program for full-time undergraduate students is coordinated through the Academic Advisement Center. Academic advisement for part-time undergraduate and all B.G.S. degree students is coordinated through the School of Continuing Education.

The academic advisement of students is carried out by faculty with support from the professional staff of the Academic Advisement Center. Eastern values academic advisement for its students and urges them to take full advantage of the available academic resources. Upon selecting a major, a student will be assigned a major (faculty) advisor. The Director of the Academic Advisement Center coordinates the assignment of faculty advisors for all incoming freshmen, transfer and readmitted students, undeclared students and students who change their status from part-time to full-time.

Students must declare a major no later than the second semester of the sophomore year, or before completion of 60 credits. Students wishing to change their major must contact the appropriate department chairperson of the new major department.

Academic advisors advise students on courses prior to registration and assist them in their overall academic progress toward graduation. However, it is the student's responsibility to become familiar with their role and responsibilities in the advising process. Inquiries concerning academic advisement, academic policies, and procedures should be directed to the Academic Advisement Center.

The Academic Advisement Center administers the academic dismissal process, and any substitution, waiver, special permission regarding general education and university requirements.

The Center also disseminates information on academic policies, procedures, and academic programs to students, faculty, and staff and processes official student withdrawals from the University.

Appeal requests must be initiated by the student at the Academic Advisement Center.

Academic Assessment (Placement and Competency Testing)

First year and transfer students, who have not fulfilled Eastern's writing and math Liberal Arts Core Curriculum requirements prior to their enrollment, must take the University's writing and math placement tests. Students who do not take the tests prior to enrollment may not be allowed to register for courses until this requirement has been met. Based on the results of the tests, as well as other indicators of preparedness, students will be placed in courses that are appropriate to their skills and in which they have the greatest potential for success.

Students who earn a score of 600 or above on the SAT math exam are exempt from the math placement exam. Students admitted into Eastern's Honors Program are exempt from all placement tests.

Basic computer literacy skills are expected of all entering students. Students will engage in a computer-assisted self-assessment of skills and will be advised about supportive resources available to insure readiness for their academic work.

CSU Registration Policy for Students Placed in Developmental Courses

It is Connecticut State University policy that all new freshman and transfer students placed in a developmental course must successfully complete the required proficiency within their first 24 credits. Students who do not successfully complete the recommended developmental course requirement will not be allowed to register for credit courses at a university within the CSU System until they complete this course or its equivalent elsewhere.

Registration Policy for the Completion of Eastern First Year Liberal Arts Core Curriculum Requirements

It is Eastern Connecticut State University policy that all students must successfully complete the mathematics, college writing, liberal arts colloquium, and health and wellness Liberal Arts Core Curriculum requirements within their first 30 credits earned at Eastern. Students who fail any of these courses in any given semester must take the course again the following semester. If a student fails to complete these courses within the first 30 credits earned at Eastern he/she will not be allowed to register for additional courses unless his/her registration includes the required course(s).

Child and Family Development Resource Center

Jamie Klein, *Administrator*

The mission of the Child and Family Development Resource Center is to promote the positive development of young children. The Center's program includes a state-of-the-art school for children of diverse cultural and economic backgrounds, support services for parents and families, teaching experience for Eastern Connecticut State University students preparing for early-childhood education careers, and professional development opportunities for child care providers. Professional development courses, demonstrations, and workshops are available using the latest in distance-learning technology. Video technology is available throughout the facility to capture and share best practices with child care providers throughout New England. This research-based environment is constantly evolving, improving its knowledge of early childhood education and services to client families. Of special note is the Center's commitment to providing a multicultural, bilingual experience for client families and Eastern students, focusing on English and Spanish. The Center serves as a hub for innovation in Connecticut where new approaches to improving the lives of children and families can be

designed and studied. Eastern's early childhood education program is accredited by the National Council for Accreditation of Teacher Education (NCATE) and the National Association of Education for Young Children (NAEYC).

Computing Resources

Joseph Tolisano, *Chief Information Officer*

Eastern provides a wide range of computing resources to the University community. All students have access to the Internet, including wireless connection in designated areas, e-mail, discussion groups and office productivity tools. Faculty members have incorporated these tools into their courses. Student technology account assistance and general information regarding computing at Eastern can be obtained in Webb Hall Room 410, or online by visiting Eastern's Passport to Technology web site at www.easternct.edu/portal/passport.

A general-purpose lab containing more than 100 computers, along with network laser printers and flatbed scanners, is located on the fourth floor of Webb Hall (Room 410) and is open approximately 100 hours per week. Nine classrooms containing a total of more than 260 computer systems are available for instructional use. Two of these contain equipment that directly supports the Visual Arts and English Departments' programs. In addition, more than 30 classrooms are multimedia-enabled for LAN/Internet access and video presentations. Classrooms, labs and the network are upgraded regularly to incorporate developing technology.

Various departments, such as Mathematics/Computer Science, Biology, and Environmental Earth Science have established specialized computer labs in support of their curriculum. The Center for Instructional Technology, and other information technology resources are located within the J. Eugene Smith Library.

eWeb, Eastern's Online Services (eweb.easternct.edu), provides access to online admissions, course catalog, course offerings, registration, grades and related academic history, tuition and fee payment by credit card and financial aid information

Eastern also maintains a web server (www.easternct.edu) with information on admissions, academic programs and campus life. The server provides links to faculty and department publications, and external sites of interest. Eastern's Blackboard Vista at <http://www.easternct.edu/portal> is a course management system used by many faculty to enhance and supplement courses offered on campus. It also provides access to online materials for Eastern Online courses.

Client/Server technology is available through the extended campus Local Area Network (LAN). The LAN is gigabit-based, delivering 100Mbps to each desktop. Eastern's LAN is linked to the Connecticut State University network. High-speed connections to the Internet and on-campus web-enabled resources are available in all resident hall rooms.

Learning Center

Margaret A. Hebert, *Director*

The Learning Center offers academic support services to all University undergraduate students. All students, whether entering directly from high school or returning after a period of years to continue their education, are encouraged to utilize Learning Center services to meet the challenges of college-level work.

Located in the Alvin B. Wood Support Services Building, the Learning Center provides services and programs to promote students' academic success. Services include peer and professional tutoring and workshops on topics such as study skills and time management. Professional staff also provide academic counseling. The Learning Center also oversees STEP/CAP (Summer Transition at Eastern Program/Contract Admissions Program).

Student, interested in improving their learning skills and enhancing their academic success are encouraged to use the Learning Center services. Services are free of charge.

The J. Eugene Smith Library

Patricia S. Banach, *Director*

Librarian:

Kristin Jacobi, *Technical Services, Head Cataloger*

Associate Librarians:

Carol Abatelli, *Head of Collections and Electronic Resources Management*

Carolyn Coates, *Technical Services, Acquisitions*

Hope Cook, *Public Services, Curriculum Center*

William Gamzon, *Public Services, Reference and Government Documents*

Susan Herzog, *Public Services, Reference and Information Literacy*

Tara Hurt, *Public Services, University Archives and Special Collections*

Gregory Robinson, *Head of Public and Research Services*

Assistant Librarians:

Sandra Brooks, *Head of Technical Services*

Bruce Johnston, *Systems Librarian*

Carol Reichardt, *Public Services, Reference*

Janice Wilson, *Public Services, Reference*

Systems and Media:

Michael Berlin, *Media Engineer*

Guy LaHaie, *Library Computer Support Specialist*

The library offers a broad range of services and programs to students and faculty:

- The library participates in CONSULS, a shared library information system of five libraries that provides online access to their holdings and periodical indexes, abstracts, and full text titles.
- The library has over 375,000 volumes of books and approximately 1,700 print magazines and journals and access to thousands more through its subscriptions to online databases. There are more than 90 computers in the library for users to access the electronic library and the web.
- The reference staff provides research assistance for all subjects related to the University programs including electronic access to a wide variety of computerized databases, the majority of which may be accessed directly, both on and off campus.
- Course-related materials reserved for special use are kept at the circulation desk. Some reserve materials may be checked out for overnight or one-week use. Some reserves may be used only in the library. Various multi-media equipment is provided to users

for viewing and listening purposes in the Multi-Media Reserves area. Many course readings are available full text online through the course reserve feature in the online catalog.

- Materials not available in the Eastern collections may be secured from other libraries through interlibrary loan. Students, faculty and staff may request circulating library material from any CSU library to be delivered by courier to the J. Eugene Smith Library. In addition, the Library participates in state, regional and national interlibrary loan consortia that promote free exchange of materials between libraries.
- Electronic access is provided through CONSULS gateway or the library's web page, including the library's subscribed databases in various formats, full-text titles, online catalogs of other libraries, Internet resources, etc.
- Copiers are available for patron use at 10 cents per copy. A public fax machine is also available on the second floor. For microforms, the library provides digitizers for reading, printing, downloading, etc. Students, faculty and staff can print from their authorized campus user accounts for five cents per page, using their Cat Card or change.
- The professional library faculty provides formal user education to students in the use of the collections and electronic databases for term papers and reading assignments. Workshops are conducted for faculty and staff groups upon request.
- The library develops exhibits for special events and topics of campus concern.
- A Special Services room provides hardware and software in assistive technology.
- A security system helps preserve the collection for use by all.
- Teleconference services are provided with links in over 12 rooms in the library.
- The library is a depository for U.S., Connecticut state government documents and Canadian documents.
- The library provides services to distance learning through its Outreach Services program.
- The library has a web page, which provides access to an electronic collection that consists of more than 140 databases. Visit the site at www.easternct.edu/smithlibrary/. Full text materials are loaded on the web, including Britannica Online, Academic Search Premier, LEXIS/NEXIS, Gale (InfoTrac, ASAP, Health and Wellness, Business and Company, etc.), Proquest (ABI), and JSTOR.

Library Policies and Procedures

Library privileges are extended to all residents of Connecticut 18 years or older. Borrowers must present an identification card with a photograph, preferably a driver's license. For undergraduate students, the identification card is their University ID. Fines are charged for late materials, and library privileges and transcripts are withheld from delinquent borrowers. Most books circulate for four weeks and may be renewed. Periodicals and reference materials do not circulate. Reserve materials assigned by faculty members circulate as indicated on each item. Most reserve materials may be used only in the library. Materials charged out to other borrowers may be recalled for individual use, and interlibrary loans from other libraries may

be requested online via the Illiad system. Borrowers are responsible for the cost of replacing books damaged or lost in circulation.

Lost books will be paid for at rates established by the library (according to a national standard for replacement costs). The library will return the book portion of the charge if books are found and returned in good condition but will retain the non-refundable handling and processing cost portion as a reimbursement for processing and recataloging the book. No part of the charge is returned after one year.

The library provides dozens of computers for students, faculty and the community to use for academic and research purposes. They are not intended for recreational, commercial, or other uses. The library abides by the University's Computer Policy and Policy on Student Use of University Computer Systems and Networks. These policies are posted at www.easternct.edu/depts/dc/policies/ecsu_policy.html. The library also subscribes to "Library Policy on the Use of Computer Systems and Internet Resources" at www.easternct.edu/smithlibrary/library1/internet.htm.

A number of study rooms are available for the use of Eastern faculty, staff and students. For specific guidelines, please see the library's web pages located at www.easternct.edu/smithlibrary/library1/roomreservation.htm.

Library Hours

Regular library hours, as well as variations, are posted in the library, listed in the Student Handbook, and on the library's web page at www.easternct.edu/smithlibrary/library1/hours.htm. You may also call toll free (877) 587-8693.

Library Exchange Privileges

Eastern students have on-site use of and borrowing privileges at the University of Connecticut library upon obtaining a library card from the host university. The Library also participates in the CCALD Reciprocal Borrower program. Regulations are the same as those governing students at the host institutions.

Archives

The Eastern Connecticut State University Archives is located on the fourth floor of the J. Eugene Smith Library. Hours are Mon.–Fri. 9 a.m. to noon; 1 to 4 p.m., and by appointment. Cataloged for reference and now available are: history, organizations, affiliations, policies, programs, plans, committees, publications, staff, student affairs, and memorabilia.

The David M. Roth Center for Connecticut Studies

Barbara M. Tucker, *Director*

The David M. Roth Center for Connecticut Studies was established in 1970 to provide resource materials and assistance to those interested in Connecticut's history and culture. The Center is located on the fourth floor of the J. Eugene Smith Library.

The Center collects primary and secondary source materials documenting both current and historical issues on Connecticut. They include monographs, bibliographies, newspapers, microfilm, journals, dissertations, and census materials relating to the state. As a depository for Connecticut State documents, the Center receives official state publications. The Center also holds the Windham and Willimantic Archives, a folklore collection, and other manuscripts.

The Center sponsors formal graduate and undergraduate courses; workshops and conferences for students, teachers, members of local historical societies, and the scholarly community; and free in-service and consultation for the general public. The Center staff also supervises the New England Studies minor.

In addition, the Center's publication program includes the "Series in Connecticut History," a five-volume survey of Connecticut from Hooker to Grasso; "Remembering Willimantic: Community and College;" a resource guide, titled "Celebrate Connecticut, 350 Years;" and occasional publications on Connecticut life and culture.

The Center For Educational Excellence

The Center for Educational Excellence (CEE) promotes excellence in teaching and learning at Eastern Connecticut State University and in the Connecticut State University System. CEE is divided into two programs: 1) faculty and professional support services and 2) the First-Year Program. CEE also works closely with and is housed in the same office as the Center for Instructional Technology (CIT). CIT provides hands-on technology support for faculty on an individual, small group, and departmental basis. In addition, CEE works with the Eastern Grants Office to make funding opportunities and information available to faculty and staff.

The goals of CEE are to support faculty in the following areas: to enhance excellence in teaching, to enhance the effective use of technology in teaching and research, to promote scholarly research and creative activities, to enhance professional and service activities, and to sponsor support programs for special faculty groups, such as orientation, workshops, and social events for new faculty. CEE activities include seminars, workshops, videoconferences, course design programs, and individual consultations.

Media Services

Nicholas Messina, *Director*

Eastern's Media Services is located in Room 137 on the ground floor of the Media Center Building on the North Campus. Media Services provides a large variety of audio and video support services for Eastern's administrative, academic and public service programs and is the home of Channel 22, Eastern's own cable TV station. Media Services also supports the Communication Department's TV studio and editing facility, as well as the campus' multimedia classrooms. Additional information is available on Eastern's web site at www.easternct.edu.

The David T. Chase Free Enterprise Institute

Kenneth M. Parzych, *Director*

The David T. Chase Free Enterprise Institute seeks to promote an understanding and continued interest in issues relevant to our nation's market-driven economic system. The Institute maintains a cooperative and supportive alliance with the educational, corporate, and civic communities in promoting entrepreneurship.

In affiliation with Eastern Connecticut State University, the Institute is committed to a meaningful entrepreneurship educational mission. It sponsors various programs that involve secondary school and University students and faculty. Professional workshops, colloquia, panel discussions, and publications serve the needs and interests of the corporate, civic, academic and small business communities.

The Northeast Connecticut Economic Alliance

Roberta J. Dwyer, *Executive Director*

The Alliance is a 501 (c)3 nonprofit economic development company with a board of directors made up of educators, private business leaders, and government officials drawn from the 21 towns it serves. The board is dedicated to supporting small-business planning, financing, and related activities. Original funding came from the Department of Economic and Community Development, Office of Policy & Management, and local banks. The Alliance helps municipal and regional officials plan for economic development, and provides a number of business services including financial assistance and business planning.

The Alliance, located in Beckert Hall, shares resources with the area higher education institutions (Eastern Connecticut State University, Quinebaug Valley Community College, and the University of Connecticut). Some student internships are available.

The Institute for Sustainable Energy

William M. Leahy, *Chief Operating Officer*

The Institute for Sustainable Energy at Eastern Connecticut State University was established in 2001 to promote an improved awareness and understanding of sustainable energy use. The Institute focuses on matters relating to public policy concerning energy, efficient use of energy, use of renewable energy resources, protection of environmental resources, and the dissemination of information to users and providers of energy.

The goals of the Institute include the promotion of proven solutions and models of sustainable development in the region, the application of sustainable energy strategies, the use of knowledge to empower local solutions to energy needs and the integration of technical and social resources for equitable applications of energy options. The Institute provides technical assistance to local communities, public schools, and area colleges.

Located at 182 High Street in Willimantic, the Institute is open to the public and hosts meetings, conferences, workshops, and roundtable forums.

Undergraduate Academic Policies and Procedures

UNDERGRADUATE GRADUATION REQUIREMENTS

Eastern offers the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Social Work, Bachelor of General Studies, and Associate in Science.

To graduate with a Bachelor's Degree from Eastern, students must meet the following criteria:

1. Accumulate an overall grade point average of at least 2.0.
2. Complete the Liberal Arts Core Curriculum.
3. Fulfill the requirements for an academic major.
4. Fulfill all levels of the University writing requirements.
5. Complete at least 60 credits in courses at the 200 level or above, of which at least 30 credits must be on the 300 or 400 level.
6. Fulfill the residency requirement.
7. Earn a minimum of 120 credits.
8. Fulfill the Foreign Language Requirement, unless met upon admission.

The responsibility of fulfilling graduation requirements rests with the student. Because the Eastern curriculum is dynamic and constantly evolving, requirements may change over time. However, students must meet all requirements of the catalog which is in force at the time of matriculation in a degree program.

For those students whose matriculation is interrupted, the standards of the catalog for the semester of readmission are in effect. For assistance in planning a program of study and to make certain that all requirements for the major and the degree are met, students should consult with their academic advisor before enrolling in courses and at other times as necessary. The Registrar's Office maintains official University records for all students, however, students are urged to keep a personal academic file containing a copy of the catalog under which they were matriculated, transfer evaluations, grade reports, records of program changes, course withdrawal forms, academic warnings, and all other official notifications or communications. It is the student's responsibility in the senior year to obtain an application for degree from the Registrar's Office and file it no later than: February 15, for the completion of degree requirements in August; June 15, for completion of degree requirements in December; October 15, for completion of degree requirements in May.

Matriculation

Students may matriculate as either full-time or part-time students, and they usually make this decision as they apply for admission. However, occasionally a student chooses to change status, suspend studies, or withdraw, in which cases the following rules apply:

Change of Matriculation Status

Any change of matriculation status (i.e., from a full-time student to a part-time student in the School of Continuing Education) must be approved by the Registrar's Office. After the first week of classes, students may not change their matriculation status for the semester in process.

Leave of Absence from the University

Leaves of absence are granted to full-time students who need to interrupt their studies. Leaves are routinely granted for one or two full semesters, but not less than one full semester, to students who intend to return to the University. A leave may not exceed six semesters.

Forms to file for a leave of absence are obtained from, and returned to, the Dean of the School in which the student is matriculated. Students must specify the semester in which they expect to return. A dismissal from the University supersedes a leave of absence. A leave of absence is recorded on the student's official transcript. Students on leave must contact the Registrar to receive an appointment for registration for the semester of their planned return. Failure to register for the approved return semester will result in withdrawal from the University; a student wishing to return after the approved return date must apply for readmission.

Withdrawal from the University

A student may withdraw from the University at any time prior to the end of classes. Such action should be initiated by full-time students in consultation with the Director of the Academic Advisement Center and part-time students in consultation with the Dean of Continuing Education.

It is in the student's best interest to follow proper procedures for withdrawal. Most students will, at some point in the future, need verification of their college record in order to apply to another school or for employment. Students who apply for readmission to the University following withdrawal may also need verification of good academic standing at the time of application for readmission. Furthermore, failure to withdraw properly from the University may make it impossible to make refunds or provide recommendations. Financial aid recipients should check the impact of withdrawal on present and future aid at Eastern. Students must complete a withdrawal form prior to the end of classes and submit their current student identification card to the Academic Advisement Center or the School of Continuing Education.

RESIDENCY

Undergraduate Residency Requirement

Eastern Connecticut State University has a residency requirement for the associate and baccalaureate degrees. The final 15 credits of the associate degree must be taken at Eastern. The final 30 credits of the baccalaureate degree must be taken in residence, with 15 credits of the major completed at Eastern.

On rare occasions exceptions to residency requirements are made. Requests for exceptions are approved by the Academic Advisement Center for full-time students and School of Continuing Education for part-time students. The approved exception request must be on file with the Registrar's Office prior to/or with the student's application for degree.

Earning Eastern Credits for Coursework Taken Elsewhere

To obtain credit for courses taken outside of Eastern, students must comply with the following requirements:

- Complete an Approval To Take Courses Outside of Eastern form and obtain applicable approval signatures prior to registering for a course at another institution.
- Forward completed and approved form to the Registrar's Office.

- Make sure an official transcript of final grades is forwarded to the Registrar's Office immediately after completion of the course.
- After the beginning of the junior year, such courses must be taken at an accredited four-year institution.

Credits for courses taken at other institutions with a grade of "C-" or better may be transferred to Eastern. Grades in such courses are not computed in the student's cumulative GPA, unless the courses are taken under specified exchange programs.

The University reserves the right to determine the validity of courses taken more than seven years prior to application for transfer. Eastern students who are considering taking courses at other institutions are subject to the University residency requirement.

Exchange of Students Between Institutions in the State System of Higher Education

Students enrolled at Eastern may, from time to time, benefit significantly from taking a course not available at Eastern but offered at another state university, regional community college, or the University of Connecticut.

Full-time students in good academic standing who have paid their tuition in full for the semester in which the exchange is anticipated may be admitted, without further charge, to any appropriate course offered by any other institution within the Connecticut State University System, the Regional Community College system, or the University of Connecticut, provided the admitting institution can accept the student without depriving its own students of an opportunity to take the course. The student's admission to such courses must be recommended by an appropriate academic officer at Eastern. One course is the norm during any one semester. Guidelines for the program follow.

1. Students must be enrolled for a minimum 12 credits at Eastern for the semester.
2. Students must consult with their academic advisors to determine the need for taking an off-campus course. The specific course and its scheduled availability should be identified to determine its impact on the student's course schedule at Eastern.
3. The appropriate forms can be obtained from the Academic Advisement Center, Alvin B. Wood Support Sources Center, and should be returned to the Director of the Academic Advisement Center.
4. Students admitted to the course will register under the procedures for unclassified students in the host institution. A transcript record of credit earned must be forwarded to the Registrar's Office immediately after the course is completed.
5. Students who have paid the maximum tuition and fees of full-time students at their home institution are exempt from further charges except laboratory or other special fees. Copies of their receipted fee bills will be accepted by the host institution in lieu of payment.

Credits received under these provisions will be treated as though they were earned at Eastern and will become a regular part of the student's transcript. Further information regarding the program can be obtained by contacting the Academic Advisement Center. Courses taken outside the Exchange Agreement are subject to regulation above.

CLASS RANK

Student class rank, which sometimes determines eligibility for courses, for some student activities, awards, and for registration priorities, is based on the total credits completed and recorded and is classified each semester according to the following system:

| Rank | Earned Credits |
|-----------|----------------|
| Freshman | 0-29 |
| Sophomore | 30-59 |
| Junior | 60-89 |
| Senior | 90+ |

Bachelor's Degree Course Requirements

The courses required for a bachelor's degree assure that a student's program of study includes a balanced combination of the liberal arts core curriculum, major courses that build expertise, and elective courses through which the student may pursue special interests, including minors. Typically, a student's program involves cumulative work in each of these areas, with the balance ultimately reached in the following manner:

The B.A. or B.S. Degree

Newly admitted students must complete the following degree requirements for a B.A. or B.S.:

Credits

| | |
|-------------------------------|-------|
| Liberal Arts Core Curriculum | 46 |
| Major Area of Study | 30-66 |
| Note: Business Administration | 66 |
| Electives | 7-46 |
| Total (minimum) | 120 |

The B.G.S. Degree

| | |
|---|-------|
| Liberal Arts Core Curriculum | 46 |
| Major Concentration (a minimum of 15 credits in the major concentration must be taken at Eastern) | 30 |
| Minor Concentration | 15 |
| Electives | 28-31 |
| Total (minimum) | 120 |

Note: One of the two required B.G.S. concentrations must be from a discipline in the School of Arts and Sciences.

Specifications for meeting the Liberal Arts Core Curriculum can be found on page 67. Specifications for meeting requirements in the major area of study can be found under the relevant major in the department section.

Substitutions or Waivers of Requirements

Any substitution or waiver of major requirements must be approved by the chairperson of the department in which the student is a major. Appeals for specific course waivers or substitutions for the Liberal Arts Core Curriculum may be approved by the Academic Advisement

Center Director for full-time students, and the Dean of Continuing Education for part-time students. All approved substitutions or waivers must be filed in writing with the Registrar's Office.

For all major and minor programs, the following rules apply:

Major and Change of Major

At least 15 credits in the major must be taken in residence. A course taken in residence is one offered by Eastern but not necessarily given on campus.

All students must declare a major by the end of the semester in which they have accumulated 60 credit hours toward graduation (by the end of the sophomore year). Students who have not declared a major, but who have accumulated 60 or more credit hours, may not be permitted to register for classes. Students entering with 60 or more transfer credits must declare a major by the end of their first semester on campus.

Changes in major for full-time students must be submitted first to the chairperson of the academic department responsible for the desired major. An academic advisor will be assigned by the department chairperson. Students changing their status from declared major to undeclared must submit this change with the Academic Advisement Center.

Full-time students having no declared major will be classified as undeclared and will be assigned to an advisor by the Academic Advisement Center until they identify a major with the academic department of their choice. Part-time students should contact the School of Continuing Education for declarations/changes of major. All part-time students will be assigned the School of Continuing Education as their initial advisor.

Because major programs of study are usually designed to build abilities sequentially and connect with the LAC in different ways, students should select their specific major program early in their career.

Pre-Major Information

Students interested in pursuing a degree in a major that requires admission by the department for the major will be classified as Pre-(major name) and will be assigned to an advisor by the Director of the Academic Advisement Center. Students will be reclassified as actual majors and reassigned an advisor, if applicable, once they have fulfilled the department's admission requirements.

Double Major

Students who wish to graduate with more than one official major may do so by completing the following requirements:

- Liberal Arts Core Curriculum
- Specific department requirements for each major
- Submission of a declaration of their intention to the Academic Advisement Center prior to completion of their fifth semester or 77 credits, whichever comes first, so that the student can be assigned an academic advisor for each major.

Students who complete more than one major must inform the Registrar's Office which degree they wish to have conferred when they submit their application for degree form. The official transcript of each student will certify which degree is earned and which major or majors and minor have been completed.

Individualized Major

The Individualized Major Program is a student's self-designed interdisciplinary plan of study, which consists of courses from two or more disciplines and results in a B.A. or B.S. degree. The self-designed Plan of Study allows the student to take courses in areas that naturally compliment each other in today's workplace, and to develop a strong educational basis in at least one subject to facilitate entrance into a graduate program. See page 72 for details.

Majors with B.A. or B.S. Option

Students in the Departments of Biology and Mathematics have the option of earning either the B.A. or the B.S. degree. Biology and mathematics majors should declare their degree option before the end of the sixth semester.

Minor

A minor consists of an approved planned program of study of at least 15 credits. In such cases where majors, minors, and liberal arts core curriculum share courses, a minimum of nine credits must be unique to each minor. Declaration of a minor must be submitted to the Registrar's Office. The number of credits or courses that must be taken in residence at Eastern for the minor will be determined by each department, subject to approval by the appropriate dean.

Advisement and the Academic Advisement Center

The academic advisement of students is carried out by faculty and the professional staff of the Academic Advisement Center and the School of Continuing Education. Eastern values academic advisement for its students and urges them to take full advantage of the available academic resources. Upon selecting a major, a student will be assigned a major (faculty) advisor. The Director of the Academic Advisement Center assigns faculty advisors for all new full-time freshmen and transfer students, readmitted students, undeclared students and students who change their status from part-time to full-time.

The academic advisement program for full-time undergraduate students is coordinated through the Academic Advisement Center. The academic advisement program for part-time students is coordinated by the School of Continuing Education located in Shafer Hall.

The Academic Advisement Center, located in the Alvin B. Wood Support Services Center, provides organizational support for a variety of undergraduate advising functions on campus, as well as additional forms of academic assistance for full-time undergraduate students. For additional information, see Academic Support Services on p. 43.

ENROLLMENT IN COURSES

Undergraduate Course Loads

The standard course load for a full-time student is 15 credits per semester. A full-time student must carry a minimum of 12 credits per semester, but can register for up to 17 credits during the initial registration period. In addition, during the open add/drop period, up to 19.5 credits may be taken by students who have attended Eastern full-time for one semester and have a cumulative grade point average of 2.7 or better. Up to 21 credits may be taken by those who have a cumulative grade point average of 3.5 or better and who carried at least 18 credits in a previous semester at Eastern. No student will be allowed to register for more than 21 credits in any given semester. On rare occasions, exceptions to the course load requirements are made. Exceptions to these policies must be approved by the Academic Advisement Center Director and must be filed with the Registrar's Office.

Registration Policies and Procedures

Continuing students register for courses during the current semester for the next semester. Times and places for registration are announced by the Registrar's Office. Following such announcements, students should obtain registration materials, plan a tentative schedule, and make an appointment with their advisor to go over the plan, to address any questions, and to secure the advisor's approval of the plan.

New students are notified of registration dates by mail, and special advising arrangements are made for them. A student may register for courses at a time other than officially scheduled only with the permission of the Registrar. Before attending registration sessions, students should see to any outstanding financial obligations and obtain any necessary special approvals or written permissions.

Undergraduate students wishing to register for graduate courses must obtain the permission of the Dean of Education and Professional Studies.

Students may not register for courses and be allocated on-campus housing until required fees have been paid and the medical examination form, supplied by the University, has been properly completed. Applicants who have been accepted and who do not meet deadline requirements as set forth in correspondence concerning their admission to the University will have their approved matriculation canceled. Failure of students to fulfill their financial obligations also results in (1) the deletion of courses for which they have registered; (2) removal of their names from the class list; (3) postponement of registration for courses until a later date. Such students may not be able to rearrange the schedule originally established.

Course Changes or Cancellations

The University reserves the right to change the time a course is offered, and it reserves the right to cancel any course listed for the semester if there is insufficient student demand or resources for the course.

Student Course Schedule Changes

Eastern encourages students to plan their studies carefully and to register in advance for courses during official registration periods. For those exigencies that require students to alter their schedules, the following means are available:

Adding Courses

Students may add full-semester courses through the first week of the semester without written approval. During the second week, courses may be added with written approval from the instructor. Students may add less than full-semester courses prior to the first day of the class. During the first week, the course may be added with written approval from the instructor. In all cases, it is the responsibility of students to confer with their advisor before making changes to their schedule. In all cases add requests are only official with final approval by the Registrar's Office.

Dropping Courses

Dropping a course or courses should be carefully considered and undertaken only after discussion with the student's academic advisor. Any reduction in course load may affect a student's eligibility for financial aid, participation in intercollegiate athletics, health insurance, etc.

- *Students may drop full-semester courses through the first two weeks of the semester.*
- *Students may drop less than full-semester courses within the first week of class.*

After the first week of the semester, a full-time student for whom dropping a course would reduce their credit course load to fewer than 12 credits must request a withdrawal from the course. In all cases, it is the responsibility of students to confer with their advisor before making changes to their schedule. Due to immigration regulations, international students should consult with the coordinator of international programs.

In all cases drop requests are only official with final approval by the Registrar's Office. Courses dropped by the established dates will not appear on a student's permanent academic record. Courses not dropped officially by the deadline will appear on a student's academic record with the appropriate grade assigned.

Withdrawing from Courses

If students wish to reduce their course load after the deadline for dropping the course, they must obtain a withdrawal form from the Registrar's Office. Full-time students who wish to withdraw from all of their courses must follow the Withdraw from the University process.

The withdrawal form requires the signature of the student's academic advisor as well as a grade from the instructor. The instructor will indicate a grade of WP (withdraw passing) or WF (withdraw failing) on the form. The WP grade will be used only when a) the student is passing the course or b) the instructor has insufficient evidence for measuring a student's performance at the time of withdrawal. The WP/WF grade will be recorded on the student's permanent transcript but will not be used in calculating the grade point average. The completed form must be submitted to the Registrar's Office. Withdrawing from a course does not change your enrollment status. However, it may affect a student's eligibility for financial aid, participation in intercollegiate athletics, health insurance, etc. Due to immigration regulations, international students should consult with the coordinator of international programs prior to withdrawing from a course.

The course withdrawal deadline for full-semester courses is no later than the tenth week of the semester. The course withdrawal deadline for less than full-semester courses is no later than the end of the second third of the course. If students have not withdrawn officially from a course before the deadline, the course will appear on their academic record with the appropriate grade assigned.

Special Enrollment Options

Though Eastern encourages students to engage seriously in coursework for graded credits from the outset, students may sometimes find that they need to proceed with caution or to repeat work. The following enrollment options facilitate such decisions.

CREDIT/NO CREDIT COURSES

Student-Selected

Students have the option to include up to four courses to be taken on a credit/no credit basis in addition to University-designated credit/no credit courses. Courses in the student's designated major, minor, concentration, the Liberal Arts Core Curriculum, entrance requirements (such as the foreign language requirement), or for any other University requirements cannot be placed on credit/no credit. Only one student-selected credit/no credit course may be taken in any one semester. Students must file the appropriate form with the Registrar's Office no later than the tenth week of the semester for courses which fall within the regular semester schedule. For all other courses, no later than the end of the second third of the course. If the

work is above passing, the course is recorded on the permanent record as credit (CR). If the work is below passing, the course is recorded on the permanent record as no credit (NC). The grade for a course placed on credit/no credit does not affect the grade point average.

University-Designated

Students should note that a limited number of credit/no credit courses are offered at the option of the department and with the approval of the appropriate academic dean. If the student's work is above passing, the credit is recorded on the permanent record as "CR" and credit is given with no grade point assigned. If the student's work is below passing, the course is recorded as no credit "NC". For these courses the student has no option.

Auditing Courses

Persons who do not wish to register for credit may be permitted to register as auditors under the following circumstances: they pay the regular fee; obtain written consent of the instructor and their advisor; audit only courses for which there are adequate classroom and laboratory facilities; and, if a full-time student, carry a minimum of 12 credits of non-audited courses.

Students who audit courses should do so with the intention of attending all class sessions and fulfilling work agreed upon in advance with the instructor. Audit status may not be changed to credit status. A student may take a course for audit that previously had been taken for credit. Auditors are subject to any academic conditions mutually agreed upon in advance by instructor and student. Audited courses may be taken for credit during a later semester.

It is the student's responsibility to return the course audit contract with appropriate signatures to the Registrar's Office by the deadline date. The "AU" designation will be placed on the transcript for a course placed on audit.

Repeating Courses

- An undergraduate course in which a student earned a grade of C or higher cannot be repeated for a letter grade. It can only be audited.
- If the student earned a C-, D+, D, F, CR or NC in a course, the student can repeat the course for a letter grade, but cannot place it on credit/no credit.
- The following rules apply to each of the first three (3) different courses repeated for a first time:
 - a) If the first grade was C-, D+, D, or F, then the higher of the two grades earned in the repeated course will be calculated in the grade point average, and credits will be earned only once.
 - b) If the course was placed on credit/no credit when taken the first time, then the letter grade earned from the repeat will be calculated in the grade point average, and credits will be earned only once.
- All grades earned in subsequent course repeats, whether they pertain to courses repeated once already or courses repeated for the first time, will be calculated in the grade point average. However no course may be counted more than once toward the credits needed for a degree.
- The transcript will show all grades earned, both those calculated in the grade point average and those not calculated.

COURSEWORK REQUIREMENTS

Instruction

At the first class session, students will receive a syllabus from the instructor. The syllabus explains the course objectives, outlines the coursework, and designates textbooks and other tools the student must acquire to undertake the course. The syllabus routinely provides information about the instructor's grading practices and methods of evaluating student work; examinations; written assignments; workshops; tutorials or conferences and other specific requirements; attendance policies and office hours and other means of contact outside of class.

As a general rule, students should assume the following obligations as they undertake coursework: to spend at least two hours in preparation or study outside of class for each hour in class; to purchase any required texts or tools; to submit all required assignments; to attend all scheduled examinations; and to observe attendance policies as announced by the instructor.

GRADES AND ACADEMIC STANDING

Grade Point System

The semester grade point average (GPA) is calculated by a three-step procedure: (1) multiply the grade points for each course by the number of credits for that course; (2) add the figures for each of these courses to arrive at a grade point total; (3) divide this grade point total by the total number of credits for which a grade was received. The cumulative GPA is calculated similarly, taking into account all courses taken in residence.

Grades for students in the undergraduate programs of the University are reported and valued as follows:

| Grade Points | |
|--------------|--|
| A | 4 |
| A- | 3.7 |
| B+ | 3.3 |
| B | 3.0 |
| B- | 2.7 |
| C+ | 2.3 |
| C | 2.0 <i>satisfactory</i> |
| C- | 1.7 |
| D+ | 1.3 |
| D | 1.0 <i>minimum passing performance</i> |
| F | 0.0 <i>failure; no credit</i> |
| I | 0.0 <i>incomplete</i> |
| CR/NC | 0.0 <i>credit/no credit</i> |
| AU | 0.0 <i>audit</i> |
| W | 0.0 <i>withdrawn</i> |
| WP/WF | 0.0 <i>withdrawn passing/withdrawn failing</i> |

A cumulative GPA is carried for all students for all courses taken at Eastern Connecticut State University.

Incomplete

Instructors may award the grade of "Incomplete" when students are temporarily unable to fulfill course requirements because of illness (documented) or other verifiable emergency.

Instructors must file a form with the Registrar's Office indicating the reason for the "Incomplete," the work which the student must finish, and the time by which it is to be completed. A copy will be given to the student, and it is each student's responsibility to complete the work within six weeks after the beginning of the first full semester following the granting of the "Incomplete." If grades are not submitted by the deadline, an official grade of "F" will be recorded.

In unusual cases, an instructor may request from the appropriate dean an extension of time. To assist students and instructors in evaluating circumstances justifying the granting of an "Incomplete," the following represent sample cases in which an "Incomplete" will not be granted:

1. Students missing the final examination and carrying "F" at that time.
2. Students asking to improve their grades by doing extra work.
3. Students requiring additional time to complete regularly assigned work, in the absence of a clearly defined emergency.

Appealing Final Grades

A student may appeal the final grade given in a course. Explicit information about the procedures for initiating this process can be found in the Student Handbook and Faculty Handbook.

Academic Excellence

The University recognizes academic achievement in various ways, including the following:

Dean's List. Recognition for academic excellence is given at the end of each semester to full-time matriculated students in good standing with a semester GPA of 3.50 or higher. In order to be eligible for consideration, the student must have registered for and completed at least 12 credits in letter-graded courses during the semester in question and have no "Incomplete" for the semester.

Recognition is given at the end of each semester to part-time students who have accumulated 15 credits of letter graded course work and have earned a grade point average of 3.50 or higher. All grading rules that apply to full-time Dean's List apply to part-time Dean's List recipients.

There are two exceptions:

1. Full-time students, enrolled in student teaching or departmentally-required, University-designated, credit/no credit practica or internships, and lacking 12 credits in letter-graded courses, must earn a grade of CR and have a cumulative GPA of 3.50 or higher, including the semester in question, to be placed on the Dean's List.
2. Students with "Incomplete" grade(s) are evaluated for Dean's List eligibility when all of their "Incomplete" grade(s) are changed to final grades.

University Honors Scholars. Honors Scholars who fulfill Honors Program requirements, including successful presentation of their Senior Thesis work, are recognized at Commencement. Their transcripts designate them as University Honors Scholars.

Commencement Honors. Students graduating with a cumulative grade point average of 3.50 or better for all course work completed at Eastern, and who have completed 45 credits in residence at Eastern, are recognized as honor students with the following designations:

| | |
|-------------------------------|------------------------|
| Average of 3.50 - 3.69 | <i>cum laude</i> |
| Average of 3.70 - 3.89 | <i>magna cum laude</i> |
| Average of 3.90 - 4.00 | <i>summa cum laude</i> |

Dean's Distinction. Graduating students who have achieved a 3.50 or better cumulative grade point average but who have not completed 45 credits in residence at Eastern, will receive the Dean's Distinction Award.

Academic Standing: Warning, Probation, and Dismissal

Students who do not maintain a cumulative grade point average (CGPA) of 2.0 will be placed on academic probation or dismissed from the University. A first-semester freshman whose grades are below a GPA of 2.0 at mid-semester may receive an academic warning that probation or dismissal will result if the student's grades are not improved by the end of the semester.

A student is subject to dismissal from the University if his/her cumulative GPA is:

- less than 1.8 with up to 30 credits attempted
- less than 1.9 with 30.01 to 45 credits attempted
- less than 2.0 thereafter

Students placed on academic probation must participate in an academic intervention program administered by the Academic Advisement Center. Students who are on academic probation must meet with their assigned probation counselor to review program requirements, course selection, credit loads, and other relevant information.

Academic probation serves as a warning to students that they need to improve their present GPA. It does not imply that they cannot graduate or graduate on time, if they carry normal course loads and meet all university graduation requirements. A student who fails to attain the required GPA during the probationary semester is subject to dismissal. Students are reminded that the academic dean has the prerogative to dismiss any student who is not making sufficient progress toward a degree. The Dean also has the prerogative to require a student to attend in part-time status and/or change/revise his/her plan.

Students on probation may be eligible to receive financial aid if they meet the requirements under the Financial Aid Office's federally mandated "Satisfactory Academic Progress" policy. A copy of this policy is provided to all aid applicants.

Policy on Proficiency Courses

All Developmental courses (including MAT 098 and MAT 098W) must be completed within the first 24 attempted credits. By action of the Board of Trustees of the Connecticut State University System, students who do not successfully complete this proficiency will not be allowed to register for credit courses until they successfully complete this requirement elsewhere.

Policy on Completing Liberal Arts Core Curriculum Courses

For students under the Liberal Arts Core Curriculum (LAC), the following Tier I requirements must be completed within the first 30 credits earned: College Writing, Mathematics, Health and Wellness, and First-Year Liberal Arts Colloquium. Students must satisfy any prerequisite before proceeding with subsequent requirements. Students who fail any of these courses in any given semester must take the course again the following semester. If a student fails to complete these courses within the first 30 credits earned at Eastern, he/she will not be allowed to register for additional courses unless his/her registration includes the required course(s). This policy applies to all full-time matriculated students.

Eligibility to Participate in Intercollegiate Athletics

Eastern Connecticut State University strictly adheres to the eligibility rules published by the National Collegiate Athletic Association (NCAA Division III) and all other athletic conferences of which the institution is a member. The University will not permit a student-athlete to represent it in intercollegiate athletic competition unless the student-athlete meets all of the requirements of eligibility.

Eligibility Policy for Students Holding Office

Student Organizations. Offices in any University-recognized student organization, including but not limited to the campus newspaper, yearbook, radio station, and student senate, may be held only by students in good academic standing.

Co-Curricular Activities. Offices in any University-recognized co-curricular activities may be held only by students in good academic standing.

ACADEMIC RECORDS, TRANSCRIPTS & DIPLOMAS

Academic Records

The Registrar's Office maintains official University records for all students. However, students are urged to keep a personal academic file containing a copy of the catalog under which they were matriculated, transfer evaluations, grade reports, records of program changes, course withdrawal forms, academic warnings, and all other official notifications or communications.

Student Official Address

It is the student's responsibility to notify the Registrar's Office of his/her address and of any subsequent changes of name or address.

Report of Grades

Mid-semester and final grades for the semester are available via E-Web, Eastern's online services at eweb.easternct.edu. Grade reports are not mailed to students. Students who require a final grade report, issued by the University, must submit a written request to the Registrar's Office.

Transcript Policy

A university transcript is a complete, unabridged academic record, without deletions or omissions, providing information about a student from one institution or agency to another. All official transcripts of a student's academic record are issued by the Registrar's Office only upon written request of the student.

University transcripts will certify the degree earned and which major(s) and minor(s) have been completed.

The Registrar will withhold the forwarding of transcripts when officially notified by a University Administrator that a student has an unpaid financial obligation to the University or has not returned University property.

Diplomas

At commencement ceremonies the University celebrates conferral of degrees on those students who have fulfilled its academic expectation. A diploma will be issued after the Registrar has determined that a student meets all requirements for graduation. Students with outstanding financial obligations will not receive their diplomas until their accounts are settled.

Students completing all degree requirements in August, December, and May will receive their degrees on August 31, December 31, and the day of commencement exercises, respectively. Graduates receiving degrees in August and December are encouraged to participate along with May graduates in the commencement exercises held on the first Sunday after final exams in May.

Students who apply for August graduation participate in the preceding May commencement ceremony, provided their initial audit for graduation determines their potential for completing graduation requirements.



Undergraduate
Programs

Undergraduate Programs

COURSES OF INTRODUCTION *Liberal Arts Core Curriculum*

FOR STUDENTS MATRICULATING IN FALL 2007 AND LATER

(For information about the General Education Requirement Program which applies to students who matriculated prior to 2007 and for courses that satisfy the Liberal Arts Core Curriculum visit www.easternct.edu/depts/lapc.)

PHILOSOPHY OF THE LIBERAL ARTS CORE CURRICULUM

Guiding Principals

Eastern's commitment to liberal education is anchored in three principles:

- Engagement
- Integration
- Independence

Eastern cultivates an engaged community. Students become engaged academically through their work on class projects requiring imagination and intellectual commitment; they become engaged socially through participation in a variety of clubs, athletics, and co-curricular activities; and they become engaged in the community through projects and programs that address the needs of Willimantic and the region.

Eastern's curricular and co-curricular programs emphasize integration. The University's liberal arts core curriculum and major and co-curricular programs help students understand the relationships between diverse fields of study and the impact that people, ideas and events have in all parts of their lives. They make connections among courses and between campus and community life. The academic, social and personal realms of students' lives are integrated, so that students see their studies as an important part of who they are and who they will become.

Eastern students develop independence. Active and collaborative learning produce graduates who are self-initiated learners and reflective, independent thinkers. These abilities enable Eastern graduates to take active roles in their personal lives, their workplaces and their communities.

Core Abilities

Eastern's liberal arts core curriculum, major programs, campus culture and environment are designed to help students develop the self-disciplined habits of mind, and the knowledge and skills that allow them to successfully meet the challenges of everyday life.

Our goal is to enable students to:

- a. productively engage in multiple modes of thinking;
- b. examine, organize, and synthesize information in ways appropriate to a variety of contexts;
- c. communicate effectively orally, visually, and in writing;
- d. use scientific methods and concepts and quantitative skills to solve problems and make informed decisions;
- e. understand how a person's culture influences his/her view of the world;

- f. act in an informed and ethical manner in our global society;
- g. understand the human condition from an historical context; and
- h. foster curiosity and a passion for learning.

LIBERAL ARTS CORE CURRICULUM

| | |
|---|----------------------|
| Tier I Methods and Concepts | 27/28 Credits |
| *First Year Liberal Arts Colloquium | 4 |
| *College Writing | 3 |
| Arts and Humanities: Arts in Context | 3 |
| Arts and Humanities: Literature and Thought | 3 |
| *Health and Wellness | 2 |
| Historical Perspectives | 3 |
| *Mathematics | 3 |
| Natural Sciences | 3 – 4 |
| Social Sciences | 3 |
| Tier II Synthesis and Application | 15/16 Credits |
| Applied Information Technology | 3 |
| Arts and Humanities: Creative Expression | 3 |
| Cultural Perspectives | 3 |
| Individuals and Societies | 3 |
| Natural Sciences | 3 – 4 |
| Tier III Independent Inquiry | 3 Credits |
| Culminating Liberal Arts Experience | 3 Credits |
| Total Liberal Arts Core Curriculum Credits | 46 Credits |

** Must be completed within first 30 credits*

LIBERAL ARTS CORE CURRICULUM (LAC)

Each course in every category requires the integration of four curricular elements: communication: oral, visual and written; critical thinking; information literacy; and ethics.

TIER I METHODS AND CONCEPTS **26/28 CREDITS**

TIER I exposes students to the main branches of knowledge that Eastern faculty have determined to be essential to a strong liberal arts education. Students will select courses in which they will be required to master a body of introductory-level knowledge within a particular field, and become familiar with the history, ethics, values, methods, and academic standards of inquiry and analysis within that field. In order to achieve these goals, it is necessary that students engage curricular material presented in TIER I courses actively, and when possible, experientially. While modes of learning will vary in each discipline, TIER I courses will hold as a central learning objective the development of critical and analytical modes of thinking, and will provide ample opportunities for students to communicate and demonstrate their acquisition of material and ideas.

A core element of TIER I is the First Year Liberal Arts Colloquium, which may be offered by faculty members from any academic discipline. Each Colloquium represents a unique exploration of aspects of the human condition from the diverse perspectives of the instructor, the students, and the field of inquiry. The Colloquium will introduce students to academic standards and practices that are foundational for a successful university career and life-long learning.

Students will also complete a course in College Writing and select one course from each of seven Tier I disciplinary categories: Arts and Humanities: Literature and Thought; Arts and Humanities: Arts In Context; Health and Wellness; Historical Perspectives; Mathematics; Natural Sciences; and Social Sciences.

As a result of completing TIER I, students will be able to:

1. Recognize and articulate the major concepts and ideas that are foundation to a range of liberal arts disciplines;
2. Comprehend distinctions and similarities among fields of study;
3. Understand and employ multiple modes of inquiry and analysis;
4. Effectively communicate ideas orally, visually and in writing;
5. Demonstrate the value of rigorous inquiry and research, academic integrity, and active engagement in the Eastern learning community and beyond; and
6. Discern the ethical dimensions of the production and acquisition of knowledge within disciplines.

TIER II SYNTHESIS AND APPLICATION

15/16 CREDITS

TIER II builds upon the rigors of students' prior learning experiences as they apply concepts and principles to new and more advanced sets of problems and contexts. While TIER I emphasizes disciplinary knowledge and academic systems and methods, TIER II fosters higher-order thinking and advanced problem-solving capabilities through applied research, collaborative projects, creative problem-solving, and original and innovative modes of expression. Students will apply a range of methodologies to the production, synthesis, and communication of knowledge and inquiry into human affairs.

Upon completing certain foundational TIER I courses students will select one course from each of the following TIER II categories: Application of Information Technology; Creative Expression; Cultural Perspectives; Natural Sciences; and Individuals and Societies. Students will generally complete TIER II courses in their sophomore or junior year. Most offerings will be designated at the 200 and 300 levels.

Upon completion of all TIER II courses, students will be able to:

1. Identify and apply diverse methods of inquiry and ways of knowing in making and evaluating decisions in human affairs;
2. Develop the ability to think creatively, and come to value ingenuity and originality by engaging in multiple modes of problem solving; and
3. Apply ethical principles to practical problems of life and work.

TIER III INDEPENDENT INQUIRY

3 CREDITS

Students must have passed at least two Tier II courses prior to enrolling in a Tier III course.

As the culminating, integrative liberal arts experience, TIER III represents a critical component of the Eastern Liberal Arts curriculum. TIER III affords students the opportunity to reflect on and apply knowledge and skills acquired in the first two tiers and in their major. Departments may recommend specific options for their majors to complete TIER III or allow students to choose from a variety of options within or outside the major.

Upon completion of this requirement, students will be able to:

1. Demonstrate the ability to engage in independent inquiry;
2. Apply current and critical thinking in a focused area of study;
3. Reflect on the context of their independent inquiry or artistic creation; and
4. Reflect on this work as an outcome of their liberal arts education.

ADDITIONAL GUIDELINES

1. Policy on Completing Liberal Arts Core Curriculum Courses

For students under the Liberal Arts Core Curriculum, the following Tier I requirements must be completed within the first 30 credits earned: College Writing, Mathematics, Health and Wellness, and First-Year Liberal Arts Colloquium. Students must satisfy any prerequisite before proceeding with subsequent requirements. Students who fail any of these courses in any given semester take the course again the following semester. If a student fails to complete these courses within the first 30 credits earned at Eastern, he/she will not be allowed to register for additional courses unless his/her registration includes the required course(s).

2. LAC Course Used in Major or Minor

- Up to two approved specific courses in the major or minor that meet liberal arts goals may also satisfy LAC categories.
- Students may receive credit for both the LAC and the major or minor, for up to two courses, that are in the LAC and also required for a major or minor.
- A minimum of nine credits must be unique to each minor. These credits cannot be used to satisfy major, LAC or concentration requirements.

3. Transfer Students

- Students who transfer to Eastern with 30 or more credits will be exempt from completing the Liberal Arts Core Colloquium.
- Students who transfer to Eastern with 60 or more credits will be exempt from completing the Tier I Health and Wellness category of the LAC.
- All students, regardless of the courses transferred to Eastern, must complete at least two LAC Tier II courses and a Tier III Liberal Arts Independent Inquiry, course.

University Writing Program

Rita Malenczyk, *Director*

Eastern Connecticut State University's writing-across-the-curriculum program is designed to help students 1) learn how writing shapes and aids thinking; 2) understand the cultures and conventions of their disciplines; and 3) become better, more confident writers.

University Writing Requirements

After writing an initial placement essay, students entering Eastern with fewer than 75 transfer credits must complete the following requirements:

Stage 1. ENG 100 College Writing (3 credits), or ENG 100P College Writing Plus (5 credits). Your placement essay will determine which of these courses you need to take.

Stage 2. Intermediate Writing Requirement (WRT 050 on your degree evaluation)

After you pass ENG 100 or ENG 100P, you are required to demonstrate your continuing competency in writing (WRT 050 on your degree evaluation) in one of three ways:

- a. Submitting a portfolio of papers written for 200- or 300-level courses
- b. Passing the Writing Competency exam
- c. Passing ART 225, ENG 200, ENG 203, HIS 200, HON 130 or PSC 210 with a “B” or better, or receiving Writing Competency credit in BIO 221 or BIO 234

Passing Stage 2 is a pre-requisite for Stage 3.

Stage 3. A Writing-Intensive Course in Your Major (WRT 075 on your degree evaluation)

The final writing requirement for graduation is a 300- or 400-level writing-intensive course designated for your major. To learn which courses are designated for your major, check the list in the registration booklet each semester.

Stage 2 and Stage 3 writing requirements are waived for students transferring 75 or more credits to Eastern.

More details about the University writing requirements are available in the English Department office, Webb Hall, Room 225.

Special Programs

HONORS PROGRAM

Phillip F. Elliott, *Director*

The University Honors Program promotes undergraduate scholarship by providing academically talented students with opportunities to participate in specially designed courses that prepare them to conduct independent research and/or scholarly activity under the oversight of a faculty mentor. Each of the courses in the Honors curriculum satisfies a Liberal Arts Core Curriculum requirement, and completion of an acceptable Honors Thesis satisfies all University writing requirements. The Honors Colloquia, characterized by small class sizes, interdisciplinary topics, and dedicated professors, create an atmosphere conducive to the open discussion of ideas and active learning. In short, the Honors curriculum is intended to prepare students to conduct independent work, culminating in an acceptable Honors Thesis. The successful completion of an Honors Thesis is the focal point of the Program and the capstone experience of all Honors graduates.

Honors Scholars follow a special academic program. They participate in a freshman writing course (HON200), a reading course (HON130), and three honors colloquia, interdisciplinary and often team-taught courses featuring experiential learning. In their senior year, they submit an Honors Thesis on a research project that they have completed under the guidance of a faculty mentor.

Honors Scholars are expected to participate in activities sponsored by the Honors Club and the Student Honors Council, to complete at least one Honors course per year, to graduate with a 3.5 grade point average, to prepare a thesis prospectus before they enter the senior year, and to receive the ongoing recommendations of their Honors professors. Academic decisions for the program are made by the Honors Council.

Freshmen interested in participating in the program should contact the Honors Program Office at (860) 465-4317 for application information. Incoming freshmen accepted into the University Honors Program are not required to take placement exams, and Honors students satisfy all University Writing Requirements by successfully completing the Honors Thesis.

Courses of Instruction: Honors

HON 130 READING ACROSS THE CURRICULUM

3 CREDITS

This course examines a particular topic from a variety of perspectives. Through the participation of faculty from various departments, students are exposed to the diverse assumptions, methodologies, and goals representative of different disciplines. Satisfies the LAP 130 requirement.

HON 200 HONORS: EXPOSITORY WRITING

3 CREDITS

This special intensive writing course fulfills the first two stages of the university writing requirement and prepares new Honors Scholars for upper-level Honors courses. This requirement may be waived for students who enter the program after their first semester.

HON 360-363 HONORS COLLOQUIA

3 CREDITS

These interdisciplinary courses focus on important topics in the sciences, social sciences, and humanities. Each semester two new colloquia are offered. Recent colloquia have included The American Dream, Popular Music in a Global Context, Globalization, and the Psychology of Sexual Attraction and its Consequences. Honors Scholars take three colloquia which may be used to fulfill any three interdisciplinary course requirements in Category I of the General Education Requirements. Usually colloquia are taken over three terms of sophomore and junior years.

HON 380 DIRECTED HONORS RESEARCH

3 CREDITS

In the second semester of their junior year, honors scholars develop a Thesis Proposal working independently with a faculty mentor.

HON 488 HONORS THESIS

4 CREDITS

The Honors thesis is the capstone experience of the Honors Program. Senior Honors Scholars design, carry out, and present a project or performance under the direction of a faculty mentor in the appropriate field. Usually accomplished through two credits of work per term of the senior year, this work fulfills the final stage of the University writing requirement.

HON 490 INTERNSHIP IN HONORS

3/4 CREDITS

With the approval of the respective course instructor, qualified Honors Scholars serve as interns in HON 100 and/or HON 130.

Individualized Major

The Individualized Major Plan is a student's self-designed interdisciplinary plan of study, which consists of courses from two or more disciplines and results in a B.A. or B.S. degree. The self-designed plan of study allows the student to take courses in areas that naturally complement each other in today's workplace and to develop a strong educational base in at least one subject to facilitate entrance into a graduate program.

The goals of an Individualized Major are to: a) enhance the student's ability to integrate method and content from two or more academic disciplines while meeting his/her educational interests and career objectives; and b) provide the student with flexible career skills to meet the challenges of a society undergoing rapid technological change. Students who choose to develop an Individualized Major must demonstrate their ability to gain proficiency in the chosen fields of study. Thus, students must have a minimum GPA of 2.7 to apply for the Individualized Major and must obtain a minimum grade of C in courses counted towards the major.

The Individualized Major shall consist of at least 36 credits, a majority at the 300-level or higher, taken in two or more disciplines. At least 18 of the 36 credits shall come from one discipline and consist of courses designed for departmental majors. Students may apply no more than six credits of Independent Study/Internships/Field Placement coursework towards the 36 credits in the major. The Independent Study should be directly related to and reflecting the interdisciplinary theme of the proposed plan of study.

Students completing an Individualized Major can receive either a B.A. or a B.S., which will appear on the student's transcript as "B.S. (or B.A.) - Individualized Major in (insert here title of major's focus as indicated on the student's Plan of Study)." This discipline in which the student proposes to take the most credits in his/her plan of study decides whether the student

receives a B.S. or B.A., and indicates from which School the student will receive the degree. This discipline acts as a “home department” for the student. The responsibility of fulfilling graduation requirements rests with the student, who must follow all University guidelines for degree applications and graduation.

A student planning to pursue an Individualized Major must:

1. develop a plan of study that consists of at least 36 credits in at least two or more disciplines (see Eligibility Requirements below);
2. select two faculty advisors (one from each of the disciplines in which most credits will be obtained, as outlined by the proposed plan of study) to supervise the student’s progress until completion;
3. submit the proposed plan of study for review and approval signature to: a) his/her faculty advisors; b) department chair of each department in which the student is taking 15 or more credits towards the major; and c) the dean of his/her school who will forward the original to the Registrar’s Office.
4. In the event revisions or changes are required, the student must file an Amendment/Substitution Form to the Individualized Major Plan with signatures of faculty advisors and the dean.

The dean informs the student of whether the plan of study has been approved and of any modifications recommended by the reviewers, before the end of the semester following submission of the proposed plan of study.

Eligibility requirements for a student pursuing an Individualized Major include:

- a) file a plan of study with the Registrar’s Office no later than the end of the semester in which he/she has accumulated 60 credit hours;
- b) if admitted to Eastern as a transfer student with 60 credits or more, he/she must file a plan of study with the Registrar’s Office no later than the end of the second semester of enrollment;
- c) if a student selects an Individualized Major as a double major, he/she must declare the Individualized Major by the completion of 76 credits and the plan of study can not include courses that would also count toward the other major;
- d) in no case will an Individualized Major be approved in the final semester of a student’s attendance.

American Humanics Program

Eastern’s Nonprofit Leadership and Philanthropy Initiative provides certification from American Humanics (AH), a national organization that prepares leaders for the nonprofit sector. Students who are part of the AH program at Eastern acquire skills and understanding in: historical and philosophical foundations of nonprofits, board/committee development, fundraising principles and practices, human resource development and supervision, general nonprofit management, nonprofit accounting and financial management, nonprofit marketing, program planning, risk management, career development and exploration, communication skills, and employability skills.

Students will fulfill the following obligations to receive certification from AH:

- 15 credit hours of coursework in the AH curriculum
- A 300-hour internship in an approved nonprofit setting
- Active involvement in the AH Student Association Club called SERVE
- Attendance at one of the annual American Humanics Management Institutes (AHMI)

Students interested in careers in the nonprofit sector should contact Dr. Eric Martin, the AH Campus Director, in Eastern Hall 34 to establish a plan of study and to register with American Humanics' national office.

FIRST-YEAR PROGRAM

Martin A. Levin, *Director*

The primary goals of the program are to help students make an effective adjustment to college, involve them in the Eastern Community, engage them actively in their educational program including their academic and social development and to introduce them to the university's resources, services, clubs, and cultural activities.

Eastern's First-Year Program is a two-semester program for first-time full-time students. The first semester Thematic Cluster, "highly recommended" for fall 2008, is scheduled to become "mandatory" for fall 2010. The second semester three to four-credit LAC (LAP 130) is currently mandatory.

Semester One: Thematic Clusters

The First-Year Program's first semester is based on the "learning community" model in which students are enrolled in the same three, theme-connected small classes. Each community is formed by clustering two Liberal Arts Core Tier I courses with a one-credit "Resources, Research, and Responsibility" (FYR 174) course. The first course for some majors can be taken as part of a cluster in lieu of one Tier I course. FYR 174 introduces students to academic skills, University resources, and student life and encourages them to become involved with and responsible to the University community. A peer tutor (upperclassman) will be assigned to each cluster to offer support and assistance. Coursework in the first semester will prepare students for academic success in the second semester and beyond.

Semester Two: Liberal Arts Colloquium

The Liberal Arts Colloquium (LAP 130) is a three- to four-credit course in which a small group of students work closely with a faculty member where emphasis is placed on critical thinking and engaged learning. These colloquia are designed to help students develop the highest standards for research, analysis, writing, discussion, and integration of skills necessary for study in a field of their choice. First-year students will select a colloquium from a list of topics that reflect contemporary themes and the interests of the instructors. A description of the colloquia topics will be available at the time of registration.

COOPERATIVE PROGRAM

Major: Library Science and Instructional Technology (B.S.)

A State University Consortium

Objectives

A consortium of the Connecticut State Universities enables juniors and seniors enrolled at Eastern and the other State Universities to take an undergraduate major in library science at Southern Connecticut State University in New Haven. An interview should be held with a faculty advisor at Southern.

Degree Requirements

Successful completion of this B.S. degree program, which integrates library science and instructional technology, prepares graduates to work in supportive positions (library associate or associate specialist level) in libraries and information service agencies. The program is articulated with Southern's Master of Library Science degree program. The major consists of 30 credits in library science and instructional technology. Arts and sciences requirements total 90 credits including at least 41 credits in the Liberal Arts Core Curriculum (general education requirements), an academic concentration of 14–31 credits, and free electives totaling 24–30 credits. An introductory course in computer science is recommended.

Required Courses: 9 credits

| | | |
|-----|-----|---------------------|
| LSI | 302 | Information Service |
| LSC | 320 | Technical Services |
| LSC | 330 | User Services |

Electives: 21 recommended elective library science and related credits. Visit www.southernct.edu/ils/programs/undergraduate for more information.

Intercampus Opportunities

The following areas of study may be supplemented by the attendance of Eastern Connecticut State University students in courses offered through other public institutions in the state. For details, see the appropriate description in the Programs of Study section of this catalog.

Reserve Officer Training Corps (ROTC)

Courses in U.S. Army ROTC Studies offered by the University of Connecticut at Storrs are available to qualified students at Eastern. All arrangements for enrollment and credit in this program must be cleared through the Registrar's Office at Eastern and the Army Unit at the University of Connecticut. Registration for courses is completed through the Registrar's Office at Eastern. If interested, contact the Department of Military Science, (860) 486-4538 in Storrs.

Air Force Reserve Officer Training Corps (ROTC)

The Air Force ROTC program is available to Eastern Connecticut State University students at the University of Connecticut's main campus at Storrs. Through the Air Force ROTC program, Eastern Connecticut State University students can, without paying extra tuition, pursue a commission as an officer in the United States Air Force. The freshman and sophomore courses carry no military obligation and are open to all students.

Scholarships are also available for qualified students. These scholarships pay up to full tuition and fees, as well as money for books and a monthly stipend.

Interested students should contact the Air Force ROTC office at (860) 486-2224 or visit their website at www.airforce.uconn.edu.

Courses of Instruction: Air Force Aerospace Studies

MSA 113-114 AEROSPACE STUDIES I: THE AIR FORCE TODAY 1 CREDIT

A survey course designed to introduce students to the United States Air Force and Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism; military customs and courtesies, Air Force officer opportunities, group leadership problems, and an introduction to communication skills. One class period, one two hour laboratory period. Laboratory open only with consent of department head.

MSA 123-124 AEROSPACE STUDIES II: AIR FORCE HISTORY 1 CREDIT

A survey course designed to facilitate the transition from Air Force ROTC cadet to Air Force ROTC candidate. Featured topics include: Air Force heritage, Air Force leaders, an introduction to ethics and values, an introduction to leadership, group leadership problems, and continuing application of communication skills. One class period, one three-hour laboratory period. Laboratory open only with consent of department head.

MSA 201 AVIATION GROUND SCHOOL 3 CREDITS

PREREQUISITE: MATH 109 OR PERMISSION OF INSTRUCTOR

Designed for private pilot applicants and students interested in acquiring an understanding of the principle of flight. Provides the necessary aeronautical knowledge for students preparing for the Federal Aviation Administration written test for private pilot certification. Meets the requirements for pilot applicants who must present evidence showing completion of a course of study (required by Federal Aviation Regulations). One three-hour class period per week for 14 weeks. Open only with consent of instructor.

MSA 235-236 AEROSPACE STUDIES III AIR FORCE LEADERSHIP AND MANAGEMENT 3 CREDITS

PREREQUISITES: AIR FORCE AEROSPACE STUDIES 114, AIR FORCE AEROSPACE STUDIES 124, OR SIX WEEKS FIELD TRAINING AND CONSENT OF PROFESSOR OF AEROSPACE STUDIES

A study of leadership and management fundamentals, professional knowledge, leadership ethics, and communication skills required of an Air Force officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. One three-hour class period and one three hour laboratory period.

MSA 245-246 AEROSPACE STUDIES IV NATIONAL SECURITY AFFAIRS/ PREPARATION FOR ACTIVE DUTY 3 CREDITS

PREREQUISITE: AIR FORCE AEROSPACE STUDIES 235-236

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to the refinement of communication skills. One three hour class period and one three-hour laboratory period.

Army Reserve Officer Training Corps (ROTC)

MSC 131 GENERAL MILITARY SCIENCE I

1 CREDIT

Increase self-confidence through team study and activities in basic drill, physical fitness, first aid, map reading, and making presentations. Learn fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. One-hour class period and a lab. Optional participation in a one-hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

MSC 132 GENERAL MILITARY SCIENCE I

1 CREDIT

Learn/apply principles of effective leading. Reinforce self-confidence through participation in physically and mentally challenging exercises with upper division ROTC students. Develop communications skills to improve individual performance and group interaction. Relate organizational ethical values to the effectiveness of a leader. One-hour class period and a lab. Optional participation in a one-hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

MSC 145 GENERAL MILITARY SCIENCE II

1 CREDIT

Learn/apply ethics-based leadership skills that develop individual abilities and contribute to the building of effective teams of people. Develop skills in oral presentations, writing concisely, planning of events, coordination of group efforts, advanced first aid, land navigation and basic military tactics. One-hour class period and a lab. Optional participation in a one-hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

MSC 146 GENERAL MILITARY SCIENCE II

1 CREDIT

Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security and pre-execution checks. Practical exercises with upper division ROTC students. Learn techniques for training others as an aspect of continued leadership development. One-hour class period and a lab. Optional participation in a one-hour session for physical fitness. Participation in a weekend exercise is optional, but highly encouraged.

MSC 252 GENERAL MILITARY SCIENCE III

3 CREDITS

PREREQUISITES: COMPLETION OF THE BASIC COURSE IN MILITARY SCIENCE (MSC 131 THRU MSC 146) OR COMPLETION OF A FIVE-WEEK BASIC SUMMER CAMP. APPROVAL OF THE PROFESSOR OF MILITARY SCIENCE IS REQUIRED.

Series of practical opportunities to lead small groups, receive personal assessments and encouragement, and lead again in situations of increasing complexity. Uses small unit defensive tactics and opportunities to plan and conduct training for lower division students, both to develop such skills and as a vehicles for practicing leading. One three-hour class period, required labs, and participation in three one-hour sessions for physical fitness training. Participation in a weekend exercise is also required.

MSC 253 GENERAL MILITARY SCIENCE III

3 CREDITS

PREREQUISITES: COMPLETION OF MSC 252 OR APPROVAL OF THE PROFESSOR OF MILITARY SCIENCE.

Analyze tasks; prepare written or oral guidance for team members to accomplish tasks. Delegate tasks and supervise. Plan for and adapt to the unexpected in organizations under stress. Examine and apply lessons from leadership case studies. Examine importance of ethical

decision making in setting a positive climate that enhances team performance. One three-hour class period, required labs, and participation in three one-hour sessions for physical fitness training. Participation in a weekend exercise is also required.

MSC 297 GENERAL MILITARY SCIENCE IV

3 CREDITS

PREREQUISITES: COMPLETION OF MSC 253 OR APPROVAL OF THE PROFESSOR OF MILITARY SCIENCE.

Plan, conduct, and evaluate activities of the ROTC cadet organization. Articulate goals and put plans into action to attain them. Assess organizational cohesion and develop strategies to improve it. Build confidence in skills to lead people and manage resources. Learn/apply various Army policies and programs in this effort. One three-hour class period, required labs, and participation in three one-hour sessions for physical fitness training. Participation in a weekend exercise is also required.

MSC 298 GENERAL MILITARY SCIENCE IV

3 CREDITS

PREREQUISITES: COMPLETION OF MSC 297 OR BY PERMISSION OF THE PROFESSOR OF MILITARY SCIENCE.

Identify and resolve ethical dilemmas. Refine counseling and motivating techniques. Examine aspects of tradition and law as they relate to leading as an officer in the Army. Prepare for success as an Army lieutenant. One three-hour class period, required labs, and participation in three one-hour sessions for physical fitness training. Participation in a weekend exercise is also required.

EXCHANGE PROGRAMS

National Student Exchange (NSE)

Eastern is a member of the National Student Exchange (NSE). Full-time students may apply to study, for one semester or one year, at one of the 176 member colleges or universities in the United States and Canada. Students pay tuition and fees to Eastern, while paying room and board and normally charged fees to the host institution. The program is open to sophomores and juniors. Exceptions are occasionally made in the case of first semester seniors. Students must have a 2.5 grade point average and pay a \$75 NSE fee for administrative expenses. Financial aid is awarded through the home institution.

The NSE program provides students with the opportunity to take advantage of educational experiences not available at Eastern and to become better acquainted with another region of the country. Students accepted into the program will receive equivalent credit and grades at Eastern for study satisfactorily completed. This means that all courses will appear on the student's ECSU transcript, including "F" graded courses, if any. Students must have their faculty advisor's approval before registering for courses. NSE/host institution credits are calculated in a student's GPA at Eastern.

INTERNATIONAL STUDY PROGRAMS

Tropical Biology

Each spring semester, the Biology Department offers BIO 320 Tropical Biology course. The main part of the course is a 9-12 day field experience in the tropics or subtropics (Bermuda/Belize). The course is open to students by permission of instructor. Students are exposed to the diverse fauna and flora of the land and adjacent seas. Included are snorkeling and scuba diving activities on coral reefs. Interested students should contact the program coordinator in the Biology Department. Limited scholarship help is available for this program.

International Student Exchange Program

Students accepted into Eastern's international exchange and study abroad programs will receive equivalent credit for study satisfactorily completed. Although the equivalent individual courses, credits and grades (including failed courses) will appear on the academic record, the grades will not be reflected in the student's grade point average. Students must have their faculty advisor's approval before registering for courses.

Costs for the international exchange program are the same for tuition and fees that a student would normally pay to attend Eastern; room and board varies with the type of accommodation. Costs for study abroad programs may vary from location to location and include tuition, fees, and room and board. Transportation, books, travel in the host country, insurance, application fees, and incidental expenses are not included.

The following is a partial list of all current international exchange and study abroad opportunities available at Eastern.

Baden-Wurttemberg Germany Exchange Program

As part of its new sister-state relationship, the Connecticut Legislature and the State Parliament of Baden-Wurttemberg, Germany, have created an innovative student exchange program involving universities in Baden-Wurttemberg and universities in Connecticut. This program is a one-for-one exchange whereby Eastern students pay tuition and fees at their home institution and receive full benefit of attendance at one of the ten universities in Germany.

New England/Quebec and New England/Nova Scotia Student Exchange Programs

Under the New England/Quebec and New England/Nova Scotia Student Exchange Programs, eligible full-time students at Eastern may spend one or two semesters during their junior or senior year of study at any of the 18 participating Canadian institutions.

Summer Study in Alicante, Spain

Open to all students from beginning to advanced level in Spanish. Courses include all levels of language, literature, culture, business, art.

Study in Thailand

A newly established student exchange site for one or two semesters. Students study the language, culture, arts of Thailand while paying tuition to Eastern.

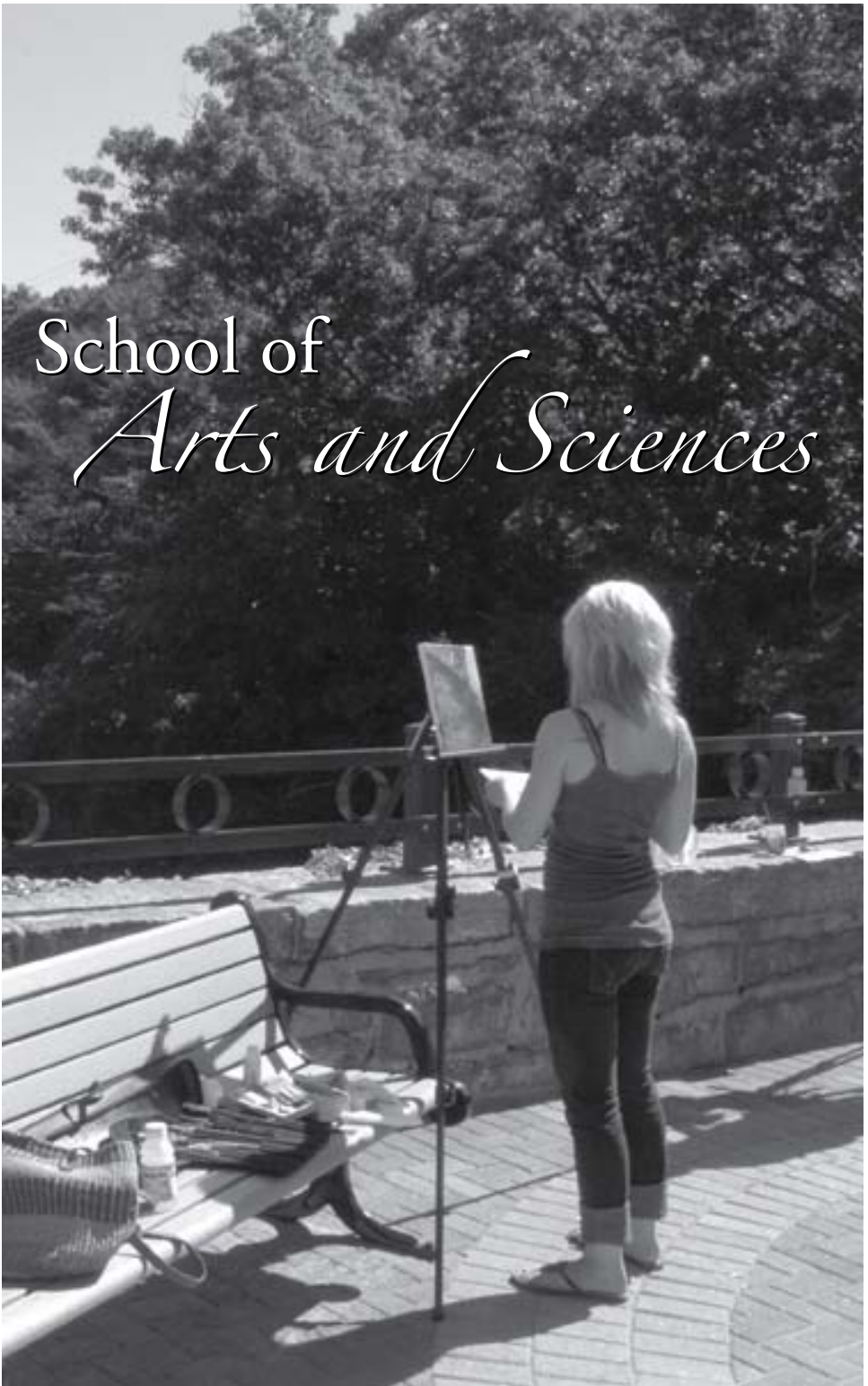
Group Study Tours

In addition to those listed, faculty have contacted group study tours to Greece, Iceland, Cuba, Brazil, and Venezuela. Contact the Study Abroad office for planned group study tours.

Additional Study Abroad Locations

In addition to those listed, students have arranged a semester of study in Australia, Ireland, Spain, Scotland, and New Zealand. There are more than 100 international universities available to Eastern students.

School of
Arts and Sciences



The School of Arts and Sciences

Carmen R. Cid, *Dean*

Amy Coffey, *Associate Dean*

The mission of the School of Arts and Sciences is to provide an education that encourages ethical and intellectual development which includes respect for other cultures and peoples, knowledge of the past, a sense of responsibility for the future, a scientific understanding of the physical world, competence in communicating ideas and values, and the integration of theory with practical experience. The twin goals of excellence and lifelong learning are the cornerstones of Arts and Sciences.

American Studies

Emil Pocock, *Coordinator*

The American Studies Program provides English and History majors the opportunity to pursue a multidisciplinary course of study that focuses on American life and culture. This program is especially suitable for students planning careers in social studies education, government, journalism, publishing, and museum research and administration. American Studies is also excellent preparation for law school or for graduate work in literature, history, American Studies, and related fields.

Students who complete this program are designated English or History majors, with American Studies.

Requirements

I. American Studies Core

| | | |
|-----|-----|----------------------------------|
| AMS | 251 | Introduction to American Studies |
| AMS | 420 | Seminar in American Civilization |

II. Major Requirement

History/American Studies

HIS 200: Research and Writing;
12 hours in history (at least nine
hours in American history)

English/American Studies

ENG 203: Writing for English majors;
12 hours in English (at least nine hours
with substantial American content)

III. Elective Requirement

History/American Studies

Six hours in American literature

English/American Studies

Six hours in American history

Plus nine hours in courses related to American culture, including art, economics, education, English, history, music, New England studies, philosophy, political science, and sociology.

Major and Elective requirements must be approved by the Coordinator for American Studies.

Courses of Instruction: American Studies

AMS 251 INTRODUCTION TO AMERICAN SOCIETY

3 CREDITS

An introduction to the interdisciplinary study of American culture, including selected aspects of American history, literature, and the arts.

AMS 420 SEMINAR IN AMERICAN CIVILIZATION

3 CREDITS

Selected topics in American culture studied from an interdisciplinary approach. AMS 420 fulfills the seminar requirement for history majors.

BIOLOGY

Chairperson: *Michael W. Adams*

Assistant Chair: *Elizabeth A. Cowles*

Professors: *Michael W. Adams, Charles E. Booth, Gloria J. Colurso, Phillip F. Elliott, Ross E. Koning, Martin A. Levin, Elizabeth A. Cowles*

Associate Professors: *Yaw A. Nsiah*

Assistant Professors: *Adam Lambert, Patricia Szczys*

Major: Biology (B.A./B.S.)

Objectives

The Biology major program is designed to enable students (1) to learn the basic principles that govern living processes at all levels of biological organization, and (2) to develop the critical-thinking skills needed to understand the consequences of those biological processes.

The Biology major program prepares students for positions in government, industry, and education in fields ranging from biotechnology to environmental studies. Additionally, this comprehensive program provides students with the background required for graduate studies in biology, and for medical, dental, nursing, physician's assistant, and veterinary school.

The biology program of study requires students to acquire hands-on experience with state-of-the-art laboratory equipment and with fieldwork techniques in a variety of terrestrial, freshwater, and marine environments.

In addition to course work, students are encouraged to develop their laboratory and fieldwork skills through independent study projects conducted under the guidance of the biology faculty whose research interests include:

Animal Physiology

Biochemistry

Biostatistics

Biotechnology

Cell Biology

Conservation Biology

Ecosystems Ecology

Endocrinology

Entomology

Evolutionary Ecology

Invasive Species

Marine Biology

Microbiology

Molecular Genetics

Plant-Animal Interactions

Plant Ecology

Plant Physiology

Virology

As part of their scientific training, students learn to use departmental computer facilities in many laboratory courses and are also encouraged to use computers to analyze data, prepare graphics, and write reports and term papers. Students can also gain valuable research experience in their area of interest through internships and co-op programs with private industry or government agencies.

Admission to the Program

The best secondary school preparation for a major in biology is the traditional college preparatory program, consisting of four years of secondary school mathematics (algebra I, II, geometry, and math analysis), three years of science (biology, physics, and chemistry), and four years of English. The best community college preparation includes one or two semesters of introductory biology, and at least two semesters each of general chemistry and mathematics. We do not recommend entering the program until you are at least ready to take pre-calculus.

Degree Requirements (B.S. and B.A.)

To graduate with a degree in biology, students must have a minimum of 2.0 cumulative GPA in required biology courses. No science or math courses required for the Biology major may be taken on a credit/no credit basis. At least six of the required biology courses with laboratory for the major must be taken at Eastern. Each year, all biology majors must take the biology comprehensive exam given in the spring semester. Performance of graduating seniors on the biology comprehensive examination will be noted on their respective transcripts. Students majoring in biology are exempt from the University's LAC Tier I and Tier II Natural Science requirement.

Students planning to enter graduate and professional schools should enroll in the B.S. program. Students should also be aware that some laboratory and field positions pay less to those with a B.A. than to those with a B.S. degree.

Bachelor of Science Degree Requirements

I. Common biology core to be completed by the end of the sophomore year

| | |
|---------|-----------------------------|
| BIO 120 | Organismal Biology |
| BIO 130 | General Ecology |
| BIO 220 | Cell Structure and Function |
| BIO 230 | General Genetics |

Both BIO 120 and BIO 130 must be successfully completed prior to starting BIO 220 or BIO 230. Both BIO 220 and BIO 230 must be successfully completed before starting on the required upper level courses.

II. Junior and senior years - 12 credit hours of 300-level courses and 12 credit hours of 400-level courses from the following list and must include at least one course from each of the areas:

| Molecular | Organismal | Systems |
|-----------------------------------|-----------------------------------|-------------------------------------|
| ___ BIO 330 Cell Biology | ___ BIO 324 Entomology | ___ BIO 320 Tropical Biology with: |
| ___ BIO 420 Electron Microscopy | ___ BIO 332 Biology of Plants | ___ BIO 360 TE |
| ___ BIO 422 Research Methods | ___ BIO 334 General Microbiology | ___ BIO319 OIE |
| ___ BIO 428 Virology | ___ BIO 336 Invertebrate Biology | ___ BIO 440 Aquatic Biology |
| ___ BIO 430 Endocrinology | ___ BIO 338 Vertebrate Biology | ___ BIO 442 Plant Ecology |
| ___ BIO 432 Histology | ___ BIO 340 Parasitology | ___ BIO 444 Pop. and Comm. Ecology. |
| ___ BIO 434 Developmental Biology | ___ BIO 346 Animal Behavior | ___ BIO 446 Terrestrial Ecology |
| ___ BIO 436 Molecular Genetics | ___ BIO 348 Funct'l Human Anatomy | ___ BIO 452 Conservation Biology |
| ___ BIO 450 Biotechnology | ___ BIO 350 Human Physiology | ___ BIO 465 Invasive Species |
| ___ BIO 438 Plant Physiology | ___ BIO 448 Physiological Ecology | |

III. Senior seminar course

BIO 466 Senior Seminar

Or

BIO 488 Honors thesis requirements

IV. Related Fields

Biology majors must also complete the following:

B.S.

CHE 210/211 General Chemistry I Lecture/Laboratory

CHE 212/213 General Chemistry II Lecture/Laboratory

CHE 216 Organic Chemistry I w/Lab

CHE 217 Organic Chemistry II w/Lab

MAT 243 Calculus I with Technology

MAT 244 Calculus II with Technology

or

MAT 216 Statistical Data Analysis

or

BIO 378 Biological Research & Data Analysis

and at least one of the following:

PHY 204 Physics I w/Lab

PHY 205 Physics II w/Lab

PHY 208 Physics with Calculus I w/Lab

PHY 209 Physics with Calculus II w/Lab

B.A.

CHE 210/211 General Chemistry I Lecture/Laboratory

| | |
|-------------|---|
| CHE 212/213 | General Chemistry II Lecture/Laboratory |
| MAT 216 | Statistics |
| PHY 102 | Energy and Scientific Method |
| AST 214 | Descriptive Astronomy |
| EES 104 | Dynamic Earth Lecture |
| | and |
| EES 205 | Sustainable Energy |
| | or |
| EES 220 | Environmental Geology |

Recommended Course Sequence:

Biology Major (B.S.)

First Year

Fall

| | | |
|---------|--------------------|-----------|
| Biology | 120/lab or 130/lab | (4 CR) |
| Tier I | course | (3 CR) |
| FYR | course | (1 CR) |
| Chem | 210 | (3 CR) |
| Chem | 212 | (1 CR) |
| Math | 130/243 | (4 CR) |
| | Total | 16 |

If you qualify for Calculus I, you may take it at this time, or choose a second Tier 1 class.

Spring

| | | |
|-----------------|--------------------|----------|
| Biology | 120/lab or 130/lab | (4 CR)* |
| FY Colloquium | | (4 CR) |
| Chem | 211 | (3 CR) |
| Chem | 213 | (1 CR) |
| English Writing | | (3-5 CR) |
| HPE | | (2 CR) |

Total 15-17, depending on English course credits. If 17 credits total then taking HPE is delayed to next Fall

If you have to take a math class, then you cannot take a Bio class at this time.

Second Year

Fall

| | | |
|------------------------|--------------------|--------------------------------|
| Bio | 220/Lab or 230/lab | (4 CR) |
| Chem | 216/Lab | (4 CR) |
| Calculus or statistics | | (3/4 CR) |
| Tier I course | | (3 CR) |
| HPE | | (2 CR) if not taken first year |

Spring

| | | |
|-----|--------------------|--------|
| Bio | 220/Lab or 230/lab | (4 CR) |
|-----|--------------------|--------|

| | | |
|---------------|--------|--------|
| Chem 2 | 17/lab | (4 CR) |
| Tier I course | | (3 CR) |

Third and Fourth Years

Completion of major requirements

Completion of Tier I and Tier II courses

| | | |
|---------|--------------------|--------|
| Bio | 466 | (3 CR) |
| Biology | Comprehensive exam | |

Biology Major (B.A.)

First Year

Fall

| | | |
|---------------|--------------------|--------|
| Biology | 120/lab or 130/lab | (4 CR) |
| Tier I course | | (3 CR) |
| FYR course | | (1 CR) |
| Chem | 210 | (3 CR) |
| Chem | 212 | (1 CR) |
| Math | 216 | (3 CR) |
| HPE | | (2 CR) |

Total

15-17 depending on HPE

Spring

| | | |
|-----------------|--------------------|----------|
| Biology | 120/lab or 130/lab | (4 CR) |
| FY Colloquium | | (4 CR) |
| Chem | 211 | (3 CR) |
| Chem | 213 | (1 CR) |
| English Writing | | (3-5 CR) |
| HPE | | (2 CR) |

Total 15-17, depending on English course credits; if 17 credits total, HPE is delayed to next Fall.

Second Year

Fall

| | | |
|----------------|--------------------|--------------------------------|
| Bio | 220/Lab or 230/lab | (4 CR) |
| Phy | 102 | (3 CR) |
| Tier I courses | | (6 CR) |
| HPE | | (2 CR) if not taken first year |

Spring

| | | |
|------------------|--------------------|--------|
| Bio | 220/Lab or 230/Lab | (4 CR) |
| Ast | 214 | (4 CR) |
| Tier I course | | (3 CR) |
| Tier I/II course | | (3 CR) |

Third and Fourth Years

Completion of major requirements

Completion of Tier I and Tier II courses

Bio 466

(3 CR)

Biology Comprehensive exam

Minor: Biology

The Biology minor consists of BIO 120, BIO 130, BIO 220, BIO 230 and one upper-level course. At least three of the courses must be taken at Eastern. Any student who plans to work toward the Biology minor must meet with the Biology Department assistant chairperson for approval of the plan of study.

Secondary Education Certification

Biology majors seeking Certification in Secondary Education must fulfill all Biology Major course requirements.

Biology Honors

In addition to the regular B.S. degree requirements, participants in the Biology Honors Program must complete the following:

- Regular participation in Biology Honors Student Discussion Group
- One semester of BIO 490–Teaching Assistantship
- BIO 378–Biological Research and Data Analysis (3 Credits) This course satisfies the University Honors Requirement of Honors 380 and can be used in combination with MAT 243 to satisfy the math requirement for the Biology Major. A grade of C or better is required to maintain good standing in the Department's Program. This course is offered in the fall semester of even-numbered years.
- Satisfactory completion of an Honors Thesis Research Project
- Nine Credits: (five credits of BIO 488–Honors Thesis Research and four credits of HON 488–Honors Thesis) Refer to Department of Biology Honors Thesis Guidelines for additional information.
- The BIO 466 - Seminar in Biology requirement for Biology majors can be waived in lieu of the satisfactory completion of the nine-credit Honors Thesis.
- Completion of University Honors Requirements

Special Programs: Biology

Preprofessional Studies

Students planning to apply to professional schools should consult their Biology Department advisors as soon as possible after enrollment. Students may prepare for medical, dental, veterinary, chiropractic, podiatric, or optometry school by majoring in biology. The Bachelor of Science degree program satisfies the requirements for most professional schools.

Interested students should meet with the Preprofessional Advising Committee (PAC) to consider and set a curriculum. Students are expected to attend PAC-sponsored semester meetings, and they are encouraged to attend any enhancement and/or preparatory programs

offered by the department or the university. During their junior and senior years, students must spend time preparing for entrance examinations [Medical College Aptitude Test (MCAT), Dental Aptitude Test (DAT), etc.]; materials are available in the library from the reserve desk. Students should volunteer or intern during semester and summer breaks in appropriate institutions. In addition, qualified preprofessional students are encouraged to participate in an independent study project. Information about pre-professional studies is available at www.easternct.edu/depts/biology.

Biotechnology/Biochemistry

Biotechnology and biochemistry are among the fastest growing areas of biology. Courses in these areas prepare students for research or sales careers in biotechnology firms and corporations, in research laboratories, and for graduate school; the jobs are intellectually and financially rewarding. Students interested in these fields should identify themselves to the faculty, so that the appropriate course work can be recommended; students should be well prepared not only in biology, but in chemistry, physics, and mathematics.

Internships and Independent Study

Students interested in independent study (BIO 180, 280, 380, 480), teaching assistantships (BIO 490, 491) or internships (BIO 494) should consult with their advisor concerning the requirements and opportunities for such courses. Students who participate in biology internship programs are typically juniors or seniors, have at least a “B” average in their major (including chemistry, physics, and mathematics), and make an application through their biology advisor. These internships are designed to give students one or two semesters of practical work experience in an area of biology, which most closely relates to their vocational goals. The University awards 3-15 credits per semester for each study program. The number of available positions is limited and placement is highly competitive. There is no guarantee that students will be placed.

Courses of Instruction: Biology

The following courses are offered by the Biology Department for students with little or no science background. There are no prerequisites for any of the following courses:

| | |
|---------|------------------------------------|
| BIO 202 | Human Biology |
| BIO 203 | Human Biology Laboratory |
| BIO 205 | Insects and Human Society with Lab |
| BIO 207 | Plants and Human Affairs with Lab |
| BIO 301 | Microbes and your Health |
| BIO 304 | Genetics and Society |
| BIO 305 | The Animal World |
| BIO 308 | General Ecology |
| BIO 309 | Summer Flora of Connecticut |
| BIO 310 | Process of Science Within Society |

BIO 120 ORGANISMAL BIOLOGY WITH LAB**4 CREDITS**

COREQUISITES: CHE 210/212 OR CHE 211/213

The structure and function of organisms is the focus of this course. After a passage through the clade of living organisms, we consider the basic problems faced by all living organisms and compare the diverse solutions that have evolved among bacteria, archaea, protists, chromists, rhodophytes, plants, fungi and animals. The fundamental concepts include: cellular structure, homeostasis, growth, movement, behavior, reproduction and evolution. Laboratory exercises involve both observation and experimentation with living organisms.

Three hours lecture, three hours laboratory.

BIO 130 GENERAL ECOLOGY WITH LAB**4 CREDITS**

PREREQUISITES: MAT 130 STRONGLY RECOMMENDED

This course is an introduction to the study of interactions between species and their physical environment. This course will examine the factors that determine the distribution and relative abundance of species, organization of communities, and ecosystems dynamics. Topics will be presented within an evolutionary framework, drawing on connections to human experience, as well as other sub-disciplines of biology. Laboratory experiments will include essential theories and techniques in the field.

Three hours lecture, three hours laboratory.

BIO 180 FRESHMAN SUPERVISED STUDY**1 CREDIT**

PREREQUISITE: BIO MAJOR AND PERMISSION OF INSTRUCTOR;

COREQUISITE: BIO 115 OR BIO 122 or BIO 125

The student formulates the project idea with the Eastern faculty mentor. The student is expected to write a comprehensive report to the faculty mentor.

BIO 200 Ecology and the Environment**3 CREDITS**

Humans are altering global ecosystems at a rate unprecedented in the earth's history. These environmental problems can only be remedied when an informed society takes action. This course introduces students to the study of interactions among organisms and with their physical environment. We will examine how humans are affecting natural processes, biodiversity, and the trajectory of evolution. Course topics include the movement of energy through ecosystems, species interactions, population dynamics, and human impacts on other organisms and the environment. Topics will be presented within an evolutionary framework, drawing on connections to human experience as well as other sub-disciplines of biology. Special emphasis will be placed on the scientific method and ecology as a scientific enterprise. This course fulfills the LAC tier I natural science requirement

BIO 202 HUMAN BIOLOGY (LECTURE)**3 CREDITS**

Attention is directed to basic concepts in cell biology and the function of organs and organ systems. Three hours lecture per week.

BIO 203 HUMAN BIOLOGY (LABORATORY)**1 CREDIT**

PRE OR CO-REQUISITE: BIO 202

Selected laboratory experiences to complement BIO 202. Two hours laboratory per week.

BIO 205 INSECTS AND HUMAN SOCIETY WITH LAB**4 CREDITS**

An introductory course about the intriguing insect world and how these six-legged creatures interact with people. Topics include insect diversity, structure and function, and behavior. Examples will illustrate the profound impacts insects have had on history, culture, and society. Laboratory exercises will provide experience in observation, experimentation, and analyses. Three hours lecture, three hours laboratory per week.

BIO 207 PLANTS AND HUMAN AFFAIRS WITH LAB**4 CREDITS**

The basic principles of life are examined with emphasis on plant and human examples. This course introduces cellular structure, metabolism, growth, reproduction, adaptation to the physical environment, and genetic evolution. The mutualistic relationship between plants and humans is a central theme. Greenhouse and laboratory exercises provide practical experience in experimental biology. Three hours lecture, three hours laboratory field work per week.

BIO 220 CELL STRUCTURE AND FUNCTION WITH LAB**4 CREDITS**

PREREQUISITES: BIO 120 AND BIO 130. MAT 130 STRONGLY RECOMMENDED

This writing intensive course examines the molecular and physiological basis of cell structure and function in microbes, animals and plants, as well as the structure and function of viruses. Laboratory exercises cover essential principles and techniques for studying cells. Three hours lecture, three hours laboratory.

BIO 228 INTRODUCTION TO PUBLIC HEALTH

This course introduces students to public health and various public health systems. It focuses on the core functions and essential services of public health, understanding and measuring health status and introduction to basic tools of public health practitioners. This course also focuses on the effect of lifestyles, social and behavioral factors in the health of the public/community. Aspects of environmental (soil and water) pollution, water and food security and their impact on community health and public safety are explored. The course delves into the epidemiology of emerging infectious diseases, aspects of infections and non-infectious disease surveillance systems and the role of technology and communication as tools in the delivery of public health services. Finally, bioterrorism, smoking and cancer are studied as public health threats.

BIO 230 GENERAL GENETICS WITH LAB**4 CREDITS**

PREREQUISITES: BIO 120 AND BIO 130. MAT 130 STRONGLY RECOMMENDED

This writing intensive course is an introduction to the basics of genetics, including molecular, cellular, transmission and population genetics. It will provide an overview of the structure and function of genes and chromosomes and explore the evolutionary consequences of their behavior in populations. Laboratory experiments will include essential theories and techniques in the field.

Three hours lecture, three hours laboratory.

BIO 280 SOPHOMORE SUPERVISED STUDY**1-2 CREDITS**

PREREQUISITES: BIO MAJOR AND permission of INSTRUCTOR; COREQUISITE: BIO 221 or BIO 234

The student formulates the project idea with the Eastern faculty mentor. The student is expected to write a comprehensive report to the faculty mentor or present the results of the study in seminar form at Eastern.

BIO 301 MICROBES AND YOUR HEALTH**3 CREDITS**

This course provides general knowledge about the relationship between microbial organisms and the human host. The impact on the socio-economic and environmental health of society is also covered. The course deals with pathogenesis, infection, prevention, and treatment of selected diseases. Microbes include bacteria, viruses, fungi, and protozoans. Three hours lecture per week.

BIO 303 APPLIED HUMAN PHYSIOLOGY**3 CREDITS**

PREREQUISITE: BIO 115 OR BIO 202 OR EQUIVALENT OR PERMISSION OF INSTRUCTOR

This course provides a practical study of how the human body functions. Biological mechanisms, which regulate and integrate activity of the major organ systems (such as neuromuscular, cardiovascular, excretory, endocrine, etc.) will be emphasized. Certain pathophysiological processes will be presented. This course does not fulfill the requirements for Eastern's Biology majors or minors. Three-hour lecture per week.

BIO 304 GENETICS AND SOCIETY**3 CREDITS**

The course will cover the history of genetics, from Mendel to recombinant DNA, with emphasis on the practical applications, as they relate to human, medical, and agricultural uses. Topics will include an examination of the way in which traits are inherited, the inheritance of specific disorders, the structure and function of DNA, as well as the way in which genetics play a role in cancer, aging, behavior, and other important areas. Three hours lecture per week.

BIO 305 THE ANIMAL WORLD**3 CREDITS**

The world of animals from microscopic forms to large mammals. With common names used wherever possible, the general biology of each animal group will be covered. Consideration will be given to how humans and the animals in each group interact; e.g., organisms that cause human disease, animals as human food, poisonous animals, domestic animals. Three hours lecture per week.

BIO 308 GENERAL ECOLOGY**3 CREDITS**

An overview of the scientific study of interactions among organisms and their physical environment, progressing in complexity from the organism, to the population, to the community, to the ecosystem. Topics covered include: physiological ecology, population dynamics, factors that determine the distribution and relative abundances of species, organization of communities and ecosystem dynamics. Three hours lecture per week.

BIO 309 SUMMER FLORA OF CONNECTICUT**4 CREDITS**

Connecticut hosts a range of natural environments populated by plants of every phylum. Through a combination of lectures and field trips over seven weeks, the course will focus on identifying local flora, surveying regional plant communities, recognizing plant families of major importance and their evolutionary relationships, and learning field techniques for studying botany. Students will learn to identify plants in the field using standard field guides, will learn how to collect plants responsibly, press and mount specimens for a personal herbarium. The course provides a venue for recognizing evolutionary and ecological relationships among the components of plant communities. No prerequisite.

BIO 310 PROCESS OF SCIENCE WITHIN SOCIETY**3 CREDITS**

PREREQUISITE: JR/SR STANDING RECOMMENDED

An examination of science as a process, as a discipline, and as reflection of society's values, political systems, and philosophical biases. Specific discoveries, ideas, and theories will be examined within their respective social contexts. Additional topics will include ethics and scientific inquiry, the use of scientific evidence in the courtroom, and the gradient between pseudoscience and science. Three hours lecture per week.

BIO 319 OCEANIC ISLAND ECOLOGY**1 CREDIT**

PREREQUISITES: AN INTRODUCTORY COURSE IN BIOLOGY (BIO 115 AND BIO 122 OR BIO 125 RECOMMENDED)

This five-week elective course examines the biogeography of marine and terrestrial plants and animals on oceanic islands and adjacent waters. Examples will include Bermuda, the Bahamas, the Galapagos and Hawaii. Topics include geological origin of oceanic islands, dispersal mechanisms, colonization and establishment of populations, adaptive radiation, endemism, extinction, and interaction between native and introduced species. This course is a prerequisite for BIO 320 Tropical Biology - Bahamas/Bermuda field course. Three hours seminar per week for five weeks.

BIO 320 TROPICAL BIOLOGY**3 CREDITS**

PREREQUISITE: PERMISSION OF INSTRUCTOR

An eight- to 12-day field ecology experience in the tropics. Concepts of tropical ecology, island biogeography, as well as natural history of marine and terrestrial fauna and flora are studied.

BIO 324 ENTOMOLOGY**4 CREDITS**

This introductory entomology course is open to biology majors and other students meeting the prerequisites. The course will discuss the classification, physiology, population biology, and behavior of insects. Insect-human relations will be explored, with an emphasis on medical entomology, insect control, and molecular biology. Laboratories will highlight external and internal anatomy, insect orders, behavior, population biology, and ecology. Students are required to make an insect collection. Three hours lecture, three hours laboratory/field work per week.

BIO 330 CELL BIOLOGY**4 CREDITS**

This course examines the diversity of eukaryotic cell types and analyzes underlying similarities, with an emphasis on cell structure and function. The major topics covered will look at import/export, signaling, organelle structure and function, energetics, motility, cell cycle, and information flow. The laboratory will emphasize techniques of wide usage and students will be expected to create their own experiments. Three hours lecture, three hours laboratory per week.

BIO 332 BIOLOGY OF PLANTS WITH LAB**4 CREDITS**

A methodical investigation of algae, fungi, bryophytes, ferns, gymnosperms, and angiosperms. Emphasis is placed on anatomy, morphology, life history, and evolution. Physiology and ecology of these organisms are introduced. Laboratory activities are coordinated with lecture topics. Three hours lecture, three hours laboratory per week.

- BIO 334 GENERAL MICROBIOLOGY WITH LAB** **4 CREDITS**
Introduces the biochemical and physiological aspects of microbial agents including bacteria, fungi, protozoans, and viruses and how they interact with their environment. Emphasis is placed on: the difference between infection and disease, the importance and consequence of microbial interaction with the environment, the different kinds of microbial agents, host immunity to microbial agents, and mechanism of immunization and vaccination. Three hours lecture, three hours laboratory per week.
- BIO 336 INVERTEBRATE BIOLOGY WITH LAB** **4 CREDITS**
A functional approach in lecture surveying the major and minor invertebrate groups with an emphasis on marine organisms. Laboratory follows a phylogenetic approach to invertebrate body organization. Three hours lecture, three hours laboratory per week.
- BIO 338 VERTEBRATE BIOLOGY WITH LAB** **4 CREDITS**
A survey of the major vertebrate groups with emphasis on viewing vertebrate morphological, physiological, and life history traits within their respective ecological and evolutionary contexts. Three hours lecture, three hours laboratory per week.
- BIO 340 PARASITOLOGY WITH LAB** **4 CREDITS**
Examines protozoa, trematodes, cestodes, nematodes, mites, ticks, etc. which are parasitic for humans and other selected animals. Identification methods, classification, life cycles, and disease characteristics are covered in lecture and laboratory. Three hours lecture, three hours laboratory per week.
- BIO 346 ANIMAL BEHAVIOR WITH LAB** **4 CREDITS**
A broad integrative approach to the study of animal behavior, focusing on the genetic basis of behavior, physiological, and sensory mechanisms, and the ecological context in which behaviors evolve. Three hours lecture, three hours laboratory per week.
- BIO 348 FUNCTIONAL HUMAN ANATOMY WITH LAB** **4 CREDITS**
A study of the gross anatomy of the human body. The course provides a correlative review of the structure/function relationships of human body systems. Three hours lecture, three hours laboratory per week.
- BIO 350 HUMAN PHYSIOLOGY WITH LAB** **4 CREDITS**
A systemic approach to the study of human physiology. Fundamental physiological mechanisms associated with homeostatic functions of major body systems will be discussed. Consideration of some abnormal and pathologic states. Three hours lecture, three hours laboratory per week.
- BIO 360 TROPICAL ECOSYSTEMS** **1 CREDIT**
This seminar examines fundamental topics in tropical biology. The course, used in combination with BIO 320, partially satisfies the 300-level biology requirement for biology majors. Two hours seminar for seven weeks.
- BIO 363 FIELD ORNITHOLOGY** **1 CREDIT**
An introduction to ornithology that emphasizes basic aspects of avian biology/ecology and field identification. Three hours seminar for five weeks, one weekend field trip.

BIO 365 SPECIAL TOPICS IN BIOLOGY**1-4 CREDITS EACH****BIO 366 MOLECULAR ASPECTS OF CELL BIOLOGY****1 CREDIT**

This lecture analyzes specific topics in cell biology at the molecular level, and provides an understanding of the biochemical and physical processes that control biology. This course is a corequisite or prerequisite for BIO 422. Three hours lecture for five weeks.

BIO 367 FUNDAMENTALS OF ULTRASTRUCTURE**1 CREDIT**

This lecture gives the student a basic understanding of the structure and function of cellular organelles (e.g. mitochondria, endoplasmic reticulum, etc.) Examination and interpretation of electron micrographs will be stressed. This course is a corequisite or prerequisite for BIO 420. Three hours lecture for five weeks.

BIO 378 BIOLOGICAL RESEARCH AND DATA ANALYSIS**3 CREDITS**

PREREQUISITE: SOPHOMORE STANDING AND INSTRUCTOR'S PERMISSION

A hands-on data analysis course designed for students conducting independent research in biology. The course integrates descriptions of research projects with a survey of the statistical techniques typically utilized in biological research. Topics range from descriptive statistics to ANOVA and regression analysis. This course is required of all Biology Honors students and can be used in combination with MAT 243 to satisfy the math requirement for the Biology major.

BIO 380 INDEPENDENT STUDY I**1-3 CREDITS**

The student formulates the project idea with the Eastern faculty mentor. The student is expected to carry out an independent project and write a comprehensive report to the faculty mentor or present the results of the study in seminar form at Eastern.

BIO 404 IMMUNOLOGY**3 CREDITS**

A study of how the human body defends itself against invasion by microbes and other entities via antigens, antibodies and antigen-antibody reactions. Topics include phagocytosis, hemagglutination, precipitation, agglutination, complement fixation, and immuno-electrophoresis. Three hours lecture per week.

BIO 420 ELECTRON MICROSCOPY WITH LAB**4 CREDITS**

Covers the operation of and tissue preparation for the transmission electron microscope. Techniques used in specimen preparation include: fixation, dehydration, infiltration, embedding, and ultramicrotome thin-sectioning. Photography (darkroom and digital) use is intensive. Scanning electron microscopy is introduced. Three hours lecture, three hours laboratory per week.

BIO 422 RESEARCH METHODS IN MOLECULAR BIOLOGY WITH LAB**4 CREDITS**

The lectures deal with the theoretical basis for commonly used techniques in protein and DNA purification and characterization. The laboratories provide students with experience in most of the major methods, such as acrylamide gels, staining techniques, chromatography, and centrifugation. Three hours lecture, three hours laboratory per week.

BIO 428 VIROLOGY WITH LAB**4 CREDITS**

A study of viruses of vertebrates, invertebrates, bacteria, and plants. Classification, biochemical and biophysical characterization, and life cycles are covered. Major emphasis will be placed on those viruses of medical importance to human. Three hours lecture, three hours laboratory per week.

BIO 430 ENDOCRINOLOGY WITH LAB**4 CREDITS**

A study of the structure, function, and regulation of hormones in humans. Principles are presented within the context of cellular/molecular biology and classical organ physiology. Three hours lecture, three hours laboratory per week.

BIO 432 HISTOLOGY WITH LAB**4 CREDITS**

A microscopic study of vertebrate tissue organization and structure. Epithelial, connective, muscle, and nervous tissues are looked at both individually and in combination as they form the organs and organ systems of the body. Laboratory work includes detailed microscopic study of prepared material. Three hours lecture, three hours laboratory per week.

BIO 434 DEVELOPMENTAL BIOLOGY WITH LAB**4 CREDITS**

Study of animal and some plant development. Concepts of fertilization, presumptive germ layer formation, organogenesis, growth and regulation will be considered from an experimental and descriptive viewpoint. New advances in molecular and cellular biology will be stressed from a developmental point of view. Three hours lecture, three hours laboratory per week.

BIO 436 MOLECULAR GENETICS WITH LAB**4 CREDITS**

Structure and function of DNA. DNA replication, transcription, mRNA structure, translation in prokaryotes and eukaryotes. Mutation, causes, effects and repair mechanisms, control of gene regulation, lac operon, virus maturation. Jumping genes, transposons. Immunogenetics, genetic engineering, recombinant DNA. Three hours lecture, three hours laboratory per week.

BIO 438 PLANT PHYSIOLOGY WITH LAB**4 CREDITS**

Normal functions of plants are studied from the biochemical to the organismal levels. Topics included are respiration, photosynthesis, nitrogen metabolism, mineral nutrition, water relations, transpiration, translocation, plant growth substances, plant tropisms, photoperiodism, flowering, dormancy, and senescence. Three hours lecture, three hours laboratory per week.

BIO 440 AQUATIC BIOLOGY WITH LAB**4 CREDITS**

An examination of the physical and chemical factors and biotic interactions influencing aquatic life of both freshwater and marine environments. Three hours lecture; six-hour field excursions for seven weeks.

BIO 442 PLANT ECOLOGY WITH LAB**4 CREDITS**

The study of mechanisms that regulate plant population numbers and plant species coexistence. Topics include seedling recruitment, resource allocation patterns, life-history strategies, breeding systems, plant-animal interactions (herbivory, pollination ecology), competitive ability vs. stress-tolerance, and ecologically-sound vegetation management practices. Three hours lecture, three hours laboratory per week.

BIO 444 POPULATION AND COMMUNITY ECOLOGY WITH LAB 4 CREDITS

A study of the dynamics of population growth, life history strategies, predator-prey and competition theory, and biogeography. Laboratory work includes population censusing techniques and development of computer simulations. Three hours lecture, three hours laboratory per week.

BIO 446 TERRESTRIAL ECOLOGY 4 CREDITS

An analysis of the characteristics and mechanisms that regulate community structure and ecosystem function in the major terrestrial biomes of North America. Topics covered include: effects of competition, predation, parasitism and mutualism on species diversity, factors affecting regeneration, nutrient cycling, energy flow, succession and effects of human disturbance. Laboratory sessions consist of learning methods used in the analysis of terrestrial environments. Three hours lecture, three hours laboratory per week.

BIO 448 PHYSIOLOGICAL ECOLOGY WITH LAB 4 CREDITS

A study of various physiological adaptations and constraints that govern the interactions of animals with other organisms and with their environment. Three hours lecture, three hours laboratory per week.

BIO 450 BIOTECHNOLOGY WITH LAB 4 CREDITS

This course provides extensive hands-on lecture/laboratory experience and skills in current methodologies in biotechnology. Aspects covered include: genome complexity, gene structure, function, regulation and control; DNA product synthesis (translation and transcription); enzyme chemistry, assays and applications; gene manipulation and characterization; gel filtration and electrophoresis; cell and tissue culture techniques. Three hours lecture, three hours laboratory per week.

BIO 452 CONSERVATION BIOLOGY WITH LAB 4 CREDITS

A study of threats to biodiversity including: habitat destruction, invasive species, pollution, human population growth, and over-harvesting. Emphasis is placed on: the value examination of methods in conservation biology, current issues at the local and global levels highlighted by case studies, and the use of molecular techniques in conservation. Three hours lecture and three hours laboratory per week.

BIO 454 BIOLOGICAL INVASIONS WITH LAB

Non-native, invasive species are second only habitat destruction in its effects on biodiversity and ecosystems. This course examines the causes, impacts, biology, and management of the human-mediated redistribution of the earth's biota, including invasive bacteria, fungi, plants, and animals in terrestrial, aquatic, and marine environments. Class time will consist of lectures, discussion of peer-reviewed scientific literature, and student-led presentations and discussions. In laboratory, invasive species research and management techniques are examined including GIS mapping of species distributions, field sampling techniques, analysis of trophic interactions, and biological control studies.

BIO 466 SENIOR SEMINAR 3 CREDITS

PREREQUISITES: SENIOR STATUS IN BIOLOGY PROGRAM; WRT 050

This capstone course is open to senior biology majors who have completed three of their upper-level biology courses. Students participate in the synthesis and communication of ideas in biology. Activities include extensive writing and revision of papers and oral communication in various modes. Successful completion of this course satisfies the University advanced writing requirement. Three hours seminar per week.

BIO 480 INDEPENDENT STUDY II**1-4 CREDITS**

PREREQUISITES: BIO 380 (B OR BETTER), GPA 2.0, AND INSTRUCTOR'S PERMISSION

The student formulates the project idea with the Eastern faculty mentor. The student is expected to carry out an independent project, write a comprehensive report to the faculty mentor, and present the results of the study in seminar form at Eastern.

BIO 488 HONORS THESIS RESEARCH**1-6 CREDITS**

PREREQUISITES: JUNIOR STANDING AND CONSENT OF DEPARTMENTAL HONORS COMMITTEE

Honors students conduct independent research under the guidance of Departmental Honors Committee and a faculty supervisor. The research will lead to the completion of an Honors Thesis.

BIO 490 TEACHING ASSISTANTSHIP I**2-3 CREDITS**

PREREQUISITES: B OR BETTER IN ASSISTED COURSE OR EQUIVALENT, GPA 2.7+, AND INSTRUCTOR'S PERMISSION

The student assists in the instruction of a laboratory course. Responsibilities include preparing and cleaning-up of instructional materials for laboratory, providing orientation and instructions to students in the class, assisting in marking certain class assignments, and serving as role model, mentor, and tutor for students.

BIO 491 TEACHING ASSISTANTSHIP II**2-3 CREDITS**

PREREQUISITES: BIO 490, B OR BETTER IN ASSISTED COURSE OR EQUIVALENT, GPA 2.7+, AND INSTRUCTOR'S PERMISSION

The student assists in the instruction of a laboratory course. Responsibilities include preparing and cleaning-up of instructional materials for laboratory, providing orientation and instructions to students in the class, assisting in marking certain class assignments, and serving as role model, mentor, and tutor for students.

BIO 494 SUPERVISED FIELD EXPERIENCES**3-15 CREDITS**

PREREQUISITES: GPA 2.0 OR BETTER AND PERMISSION OF INSTRUCTOR

The student, in consultation with an Eastern faculty mentor, finds a supervisor with an external agency (physician, staff scientist, veterinarian, forester, etc.) to support and guide the student's project. With advice from the faculty mentor and agency supervisor, the student prepares a proposal for the field experience. This proposal should indicate the nature and amount of work to be done and the method for evaluation of the project by supervisor and mentor. The proposal is submitted to the department chairperson. The number of credits allowed is determined by the mentor and department chairperson. A written paper or seminar presentation of the project is an expected outcome for the field experience.

CHEMISTRY

Chairperson: *Timothy A. Swanson*

Professors: *Charles M. Wynn, Sr.*

Associate Professors: *Darrell Koza, John M. Toedt*

Assistant Professor: *Robert Keesey*

Major: Biochemistry (B.S.)

Objectives

The Biochemistry major, offered through the Department of Physical Sciences, is an interdisciplinary major combining resources and faculty expertise from the Physical Sciences and Biology departments. Students majoring in Biochemistry obtain a broad background in Biochemistry from Chemistry and Biology Courses, preparing them for the ever-evolving scientific world. The discipline provides an in-depth introduction to the structures and functions of biologically important molecules. The curriculum meets standards set forth by recognized scientific organizations. Students who enjoy both chemistry and biology and are comfortable with quantitative approaches to problem solving will find biochemistry a rewarding field of study.

The curriculum provides:

- Core courses in scientific fundamentals and research
- Intense preparation in laboratory skills in order to meet the demands of the technological community
- A sound liberal arts background
- Electives that allow flexibility to investigate areas of interest

The Program

The biochemistry program commences with basic introductory courses common to the biological and chemical sciences. Biochemistry majors then take a rigorous year-long lecture and laboratory course sequence; these courses familiarize students with the most significant aspects of biochemistry and biochemical research. In addition, upper level biochemistry courses examine aspects of modern biochemistry as well as the molecular and cellular techniques used extensively in industrial and academic research facilities. Students are required to take additional courses in biology and physical biochemistry to further their quantitative knowledge of biological processes and bio-macromolecular structure and function.

Career Alternatives

The biochemistry program provides a solid scientific background for students seeking a research, teaching, or service career in the life sciences. Positions for biochemists are available in biomedical, biotechnological, pharmaceutical, agricultural research and chemical industries. University-affiliated research laboratories, hospital laboratories, and government-sponsored research facilities also provide employment opportunities. Finally, this major provides excellent preparation for advanced study in graduate or professional schools.

Proficiencies that biochemistry students should have by the time they have completed their undergraduate program:

- Understanding of the fundamentals of chemistry and biology and the key principles of biochemistry and molecular biology
- Awareness of the major issues at the forefront of the discipline
- Good laboratory skills such as the ability to accurately and reproducibly prepare reagents for experiments
- Ability to dissect a problem into its main features
- Ability to design experiments and understand the limitations of the experimental approach
- Ability to interpret experimental data and identify reliable and inconsistent components
- Ability to formulate follow-up questions and design experiments
- Ability to work safely and effectively in a laboratory
- Awareness of available resources and how to use them
- Ability to use computers as information and research tools
- Ability to collaborate with other researchers
- Ability to use oral, written and visual presentations to communicate their work to both science-literate and science non-literate audiences
- Ability to think in an integrated and creative manner and to look at problems from different perspectives
- Awareness of the ethical issues in the biochemical sciences

Bachelor of Science in Biochemistry Program:

Degree Requirements

| | | Credits | |
|---------|---|----------------|------------|
| | | Lecture | Lab |
| CHE 210 | General Chemistry I with Lab (CHE 212) | 3 | 1 |
| CHE 211 | General Chemistry II with Lab (CHE 213) | 3 | 1 |
| CHE 216 | Organic Chemistry I with Lab | 3 | 1 |
| CHE 217 | Organic Chemistry II with Lab | 3 | 1 |
| BIO 120 | Organismal Biology with Lab | 3 | 1 |
| BIO 220 | Cell Biology with Lab | 3 | 1 |
| BIO 230 | General Genetics with Lab | 3 | 1 |
| PHY 204 | Physics I with Lab | 3 | 1 |
| PHY 205 | Physics II with Lab | 3 | 1 |
| MAT 244 | Calculus II with Technology | 4 | |

Advanced Scientific Courses (18 credits)

| | | | |
|--------------|------------------------------------|-----------|-----------|
| CHE 316 | Biochemistry I with Lab (CHE 317) | 3 | 1 |
| CHE 318 | Biochemistry II with Lab (CHE 319) | 3 | 1 |
| CHE 323 | Physical Biochemistry | 3 | |
| CHE 410 | Physical Biochemistry Techniques | 3 | |
| CHE 425 | Chemical Instrumentation with Lab* | 3 | 1 |
| Total | | 46 | 12 |

*Writing Intensive Course

Elective Courses That Complement Biochemistry Discipline

Degree Requirements

| | Credits | |
|--|---------|-----|
| | Lecture | Lab |
| CHE 320 Quantitative Chemistry Analysis with Lab | 3 | 1 |
| CHE 370 Organic Qualitative Analysis with Lab | 3 | 1 |
| BIO 130 General Ecology with Lab | 3 | 1 |
| BIO 330 Cell Biology with Lab | 3 | 1 |
| BIO 334 General Microbiology with Lab | 3 | 1 |
| BIO 422 Research Methods in Molecular Biology with Lab | 3 | 1 |
| BIO 428 Virology with Lab | 3 | 1 |
| BIO 436 Molecular Genetics with Lab | 3 | 1 |
| BIO 450 Biotechnology with Lab | 3 | 1 |

Recommended Course Sequence: Biochemistry Major (B.S.)

Check all course descriptions for prerequisites before planning a course schedule.

** Must be completed within first 30 credits*

First Year

| Semester 1 | | Semester 2 | |
|---|-----------|------------------------------------|-----------|
| CHE 210 | 3 | CHE 211 | 3 |
| CHE 212 | 1 | CHE 213 | 1 |
| BIO 120 | 4 | BIO 130 | 4 |
| *MAT 130 (Tier I) | 4 | *ENG 100 (Tier I) | 3 |
| *Health & Wellness (Tier I) | 2 | First Year Liberal Arts Colloquium | 4 |
| First Year Cluster (link 2 above) optional | 1 | | |
| TOTAL | 15 | | 15 |

Second Year

| Semester 1 | | Semester 2 | |
|---------------------------------------|-----------|---------------------------------|-----------|
| CHE 216 | 4 | CHE 217 | 4 |
| BIO 220 | 4 | BIO 230 | 4 |
| MAT 243 | 4 | MAT 244 | 4 |
| Tier I (Arts Humanities: Art Context) | 3 | Tier I (Historical Perspective) | 3 |
| TOTAL | 15 | | 15 |

Third Year

| Semester 1 | | Semester 2 | |
|------------|---|------------|---|
| CHE 316 | 3 | CHE 318 | 3 |
| CHE 317 | 1 | CHE 319 | 1 |

| | | | |
|--|-----------|--------------------------|-----------|
| 300-400 Elective with Lab | 4 | CHE 323 | 3 |
| Tier I (Arts Humanities: Art Lit & Thought) | 3 | Tier I (Social Sciences) | 3 |
| PHT 204 | 4 | PHY 205 | 4 |
| TOTAL | 15 | | 15 |

Fourth Year

| | | | |
|---|-----------|----------------------------------|-----------|
| Semester 1 | | Semester 2 | |
| CHE 425 | 4 | CHE 410 | 3 |
| 300-400 Science Elective with Lab | 4 | Tier III (Capstone) | 3 |
| Tier II (Cultural Expression) | 3 | 300-400 Elective with Lab | 4 |
| Tier II (Creative Expression) | 3 | Tier II (Individual and Society) | 3 |
| Tier II (Applied Information Technology) | 3 | Elective | 3 |
| TOTAL | 17 | | 16 |

Minor: Chemistry

This minor is offered for those students who wish to acquire a variety of chemistry courses to (1) broaden their knowledge of chemistry and laboratory techniques to better enable them to find suitable employment, and (2) strengthen their background in chemistry prior to entering graduate school in the sciences.

The Chemistry minor consists of CHE 216/217 (Organic Chemistry with Laboratory) and at least three chemistry electives from those listed below (with an average grade of "C" or better). A maximum of two courses may be transferred:

| | |
|---------|--------------------------------|
| CHE 310 | Environmental Chemistry |
| CHE 316 | Biochemistry I lecture |
| CHE 320 | Quantitative Chemical Analysis |
| CHE 322 | Physical Chemistry |
| CHE 323 | Physical Biochemistry |
| CHE 370 | Organic Qualitative Analysis |
| CHE 380 | Tutorial on Chemistry |
| CHE 425 | Chemical Instrumentation |
| CHE 480 | Independent Study |
| CHE 492 | Directed Research |

Note: a minimum of three courses in this minor must be unique to this minor (that is, they cannot be counted toward any other graduation requirement.)

Minor: Biochemistry

For those students who desire a more concentrated course of study in biochemistry, this minor may be accomplished by taking all of the following chemistry courses (note: a minimum of three courses in this minor must be unique to this minor and will not be counted toward any other graduation requirement):

| | | |
|-------------|-----------------------------------|---|
| CHE 216-217 | Organic Chemistry with Laboratory | 8 |
|-------------|-----------------------------------|---|

| | | |
|---------|---------------------------|---|
| CHE 316 | Biochemistry I Lecture | 3 |
| CHE 317 | Biochemistry I Laboratory | 1 |
| CHE 318 | Biochemistry II Lecture | 3 |

and any one of the following courses:

| | | |
|---------|--------------------------------------|---|
| BIO 334 | General Microbiology with Laboratory | 4 |
| BIO 422 | Research Methods in Molecular | 4 |

Biology with Laboratory

| | | |
|---------|-------------------------------|---|
| BIO 450 | Biotechnology with Laboratory | 4 |
| CHE 323 | Physical Biochemistry | 3 |

Courses of Instruction: Chemistry

CHE 200 INTRODUCTION TO CHEMISTRY WITH LAB 4 CREDITS

Note: One-semester course for students who have not had high school chemistry. Not recommended for science concentrations.

An academic core course covering the basic concepts of modern chemistry, including metric system, atomic structure, periodic chart, bonding, reactions, nomenclature, and practical applications. Laboratory exercises will provide experience in observation, experimentation, and analysis. Three hours lecture, three hours laboratory work per week.

CHE 205 CHEMISTRY OF LIFE WITH LAB 4 CREDITS

An introductory chemistry course about chemistry and the role it plays in our everyday lives. Topics include general chemistry, introduction to chemical compounds, and introductory biological chemistry and how these areas of science relate to current societal issues such as pollution, food, and drug development. Laboratory exercises will provide experience in observation, experimentation, and analysis. Three hours lecture, three hours laboratory work per week.

CHE 210 GENERAL CHEMISTRY I (LECTURE) 3 CREDITS

PREREQUISITE: HIGH SCHOOL CHEMISTRY; COREQUISITE: CHE 212

Conceptual approach to modern chemistry. Topics include atomic theory, laws and theories concerning physical and chemical behavior. Emphasis given to structure of atoms and molecules and the nature of chemical bonding.

CHE 211 GENERAL CHEMISTRY II (LECTURE) 3 CREDITS

COREQUISITE: CHE 213

Continuation of CHE 210.

CHE 212 GENERAL CHEMISTRY I (LABORATORY) 1 CREDIT

Laboratory offered simultaneously with CHE 210.

CHE 213 GENERAL CHEMISTRY II (LABORATORY) 1 CREDIT

Laboratory offered simultaneously with CHE 211.

CHE 216 ORGANIC CHEMISTRY I (LECTURE AND LABORATORY)**4 CREDITS**

PREREQUISITE: CHE 210-213

Study of the chemical compounds of carbon from both theoretical and practical viewpoints.

CHE 217 ORGANIC CHEMISTRY II (LECTURE AND LABORATORY)**4 CREDITS**

Continuation of CHE 216.

CHE 310 (CAS 310) ENVIRONMENTAL CHEMISTRY**3 CREDITS**

PREREQUISITE: CHE 210-213

A study of current environmental problems and practices related to chemistry and the chemical process industries. Biogeochemical cycling of elements in the context of air, water, food and land usage are discussed. Energy resources and the energy crisis are related to environmental restraint and pollution abatement policies.

CHE 316 BIOCHEMISTRY I (LECTURE)**3 CREDITS**

PREREQUISITE: CHE 216-217 OR CONSENT OF INSTRUCTOR

An in-depth study of the biosynthesis and metabolism of carbohydrates, lipids, proteins and nucleic acids; enzymes; biological oxidation; vitamins; hormones; and other topics of interest.

CHE 317 BIOCHEMISTRY I LAB**1 CREDIT**

COREQUISITE: CHE 316

This introductory biochemistry laboratory course is designed for students requiring a broad overview of modern biochemical methodologies and techniques. Subjects covered in the course include buffers, spectrophotometry, use of radioisotopes and isolation, purification and characterization of enzymes.

CHE 318 BIOCHEMISTRY II**3 CREDITS**

PREREQUISITE: CHE 316

This second-semester biochemistry course is designed for students requiring a thorough understanding and greater appreciation of metabolic control mechanisms. This course will explore in depth subjects covered in CHE 316 and several new topics. Subjects include metabolic regulation and abnormalities, intracellular signaling, apoptosis, and the extracellular matrix. Three hours lecture.

CHE 319 BIOCHEMISTRY LABORATORY II**1 CREDIT**

Continuation of CHE 317 Biochemistry Laboratory I. Designed for students requiring an overview of biochemical techniques. Subjects include instrumentation, food analyses, radioisotopes, lipids, and ligand-binding quantitations. Three hours laboratory.

CHE 320 QUANTITATIVE CHEMICAL ANALYSIS (LECTURE AND LABORATORY)**4 CREDITS**

PREREQUISITE: CHE 210-213

Detailed study of practical methods used in determination of the quantity of constituents present in samples of matter. Methods and instruments needed to measure composition. Includes several samples, carefully analyzed, to develop necessary laboratory skills and to promote the ability to solve problems. Gravimetric, volumetric, and instrumental methods are included.

CHE 322 PHYSICAL CHEMISTRY FOR THE LIFE SCIENCES 3 CREDITS

PREREQUISITE: CHE 210-213 OR CONSENT OF INSTRUCTOR

One-semester course designed to meet the needs of those interested in the life sciences. Thermodynamics, chemical equilibrium (including buffer systems) and chemical kinetics are studied in greater detail than in CHE 210 and CHE 211. Calculus techniques developed as needed early in the course.

CHE 323 PHYSICAL BIOCHEMISTRY 3 CREDITS

PREREQUISITE: CHE 210-213

Energetics and kinetics of metabolic reactions. Interactions of electromagnetic radiation and biological macromolecules. Formation and energetics of supramolecular structures. The basis of selected techniques of molecular biology. DNA melting and thermal transitions in polymers, thermodynamics, analysis of reactions, binding theory, cooperative interactions.

CHE 360 TOPICS IN CHEMISTRY 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Variable credits and topics in chemistry as interest warrants. May be repeated for credit.

CHE 370 ORGANIC QUALITATIVE ANALYSIS 4 CREDITS

PREREQUISITE: CHE 216-217 OR CONSENT OF INSTRUCTOR

Laboratory course in the identification of unknown organic materials by classic wet methods and modern instrumental techniques. Designed to give exposure to a wide variety of organic lab methods. Three hours lecture per week with four lab hours.

CHE 380 TUTORIAL IN CHEMISTRY 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Small group or individualized study of advanced topics in chemistry. May be repeated for credit.

CHE 410 PHYSICAL BIOCHEMISTRY TECHNIQUES 3 CREDITS

PREREQUISITE: CHE 323 OR CONSENT OF INSTRUCTOR

One-semester course that will examine biophysical methods used to characterize chemical reactions and macromolecules. The areas covered will include topics such as interactions of biological macromolecules, techniques for characterization of macromolecular folding, and techniques to characterize macromolecular size, shape and quaternary structure. Three hours lecture.

CHE 425 CHEMICAL INSTRUMENTATION WITH LAB 4 CREDITS

PREREQUISITE: CHE 216/217 OR CONSENT OF INSTRUCTOR

COREQUISITE: CHE 316

One semester course that will examine theory and application of optical and electrical instruments to solve chemical and biochemical problems. The areas covered will include techniques and data analysis in spectroscopy, separations, electrochemistry, mass spectrometry, and surface analysis. Emphasis will be placed on theoretical and practical considerations of instrumental components, operation, data interpretation, and statistical analysis. The advantages as well as the practical limitations of each technique will be discussed, applied to the solution of problems in chemical and biochemical analysis.

CHE 480 INDEPENDENT STUDY IN CHEMISTRY**1-4 CREDITS**

PREREQUISITE: WRITTEN CONSENT OF INSTRUCTOR

CHE 490 INTERNSHIP: TEACHING CHEMISTRY**3 CREDITS**

PREREQUISITES: CHE 210-213 WITH GRADE OF "B" OR BETTER AND CONSENT OF INSTRUCTOR

Provides opportunity to gain experience in teaching laboratory and discussion section of general chemistry.

CHE 492 DIRECTED RESEARCH**1-6 CREDITS**

PREREQUISITE: WRITTEN CONSENT OF INSTRUCTOR

For students who wish to work under supervision of a chemistry faculty member on a current research project. Students should have had advanced chemistry courses and a "B" average in their courses.

COMPUTER SCIENCE

Chairperson: *Jianhua Lin*

Professors: *Jianhua Lin, C. Gary Rommel*

Associate Professors: *Joel Rosiene, Huan-Yu Tu*

Assistant Professors: *Kehan Gao, Sarah Tasneem*

Major: Computer Science (B.S.)

Goals

Computer science education at Eastern Connecticut State University emphasizes the fundamental principles of mathematics and the engineering sciences, and is broadened by substantial opportunities in the arts, the social sciences, the life sciences, and the humanities.

The pervasive character of modern computer science has precipitated many interactions between computer science and other disciplines. A good foundation in undergraduate computer science is increasingly viewed as an excellent preparation for careers in business, engineering, law, and medicine. Through the selection of electives, students may create specialized interdisciplinary tracks with computer science as the core of their study.

The computer science program encourages this experimentation by defining minors in the areas of management information science and mathematics. A commitment to this approach in computer science education is realized by the ability to double major at Eastern Connecticut State University in both Mathematics and Computer Science.

In summary, the goals of the computer science program are deeply rooted in the liberal education as well as a professional experience. The detailed objectives of the program reflect this overall concern.

Objectives

The objectives of the Computer Science Program are as follows:

- 1) To develop liberally educated professionals in the area of computer science who are able to use good oral and written communication skills, to write proposals, to write reports, to interact with other professionals, to manage and lead in group situations, to make presentations, to think creatively, and to think analytically.
- 2) To develop students with skills in technical competence who are able to converse using the current terminology, to integrate theory and practice, to recognize the importance of abstractions, to appreciate the value of good engineering design, and to use an algorithmic approach to problem solving.
- 3) To prepare students for graduate study in computer science who are able to read, think, and write abstractly, and have a strong foundation, knowledge, and competency in all the core areas of the computer science discipline.

Degree Requirements

A major must satisfy Categories I, II and III noted below. A grade below 2.0 in any 300- or 400-level course in MAT or CSC is unacceptable toward the major.

I. All courses in this section are required:

CSC 210 Computer Science and Programming I

3

| | | |
|---------|--|---|
| CSC 231 | Computer Science and Programming II | 3 |
| CSC 251 | Net-centric Computing | 3 |
| CSC 330 | Data Structures | 3 |
| CSC 335 | Design and Analysis of Computer Algorithms | 3 |
| CSC 340 | Programming Languages and Translation | 3 |
| CSC 341 | Database and Information Management | 3 |
| CSC 344 | Operating Systems | 3 |
| CSC 378 | Computer Organization and Architecture | 3 |
| CSC 445 | Software Engineering and Professional Practice | 3 |
| CSC 450 | Senior Seminar | 3 |

Subtotal

33 Credits

II. Electives: select additional 12 credits from any concentration below or 12 computer science credits, not in I, numbered 300 or above, except internships:

Hardware Architecture

| | | |
|---------|--|---|
| CSC 347 | Embedded Micro-Controllers | 3 |
| CSC 355 | Digital Logic Lecture | 3 |
| CSC 356 | Digital Logic Laboratory (Optional) | 1 |
| CSC 365 | Advanced Digital Logic | 3 |
| CSC 366 | Advanced Digital Logic Laboratory (Optional) | 1 |
| CSC 420 | Microprocessors | 3 |

Net-Centric Computing

| | | |
|---------|--|---|
| CSC 337 | Computer Networks and Distributed Processing | 4 |
| CSC 338 | LANs, MANs and Internetworking | 4 |
| CSC 339 | Network Management and Administration | 4 |
| CSC 358 | Parallel Processing | 4 |
| CSC 410 | Client/Server Computing | 3 |

Computational Science

| | | |
|---------|---|---|
| CSC 350 | Numerical Analysis | 3 |
| CSC 351 | Signals and Systems | 4 |
| CSC 352 | Digital Signal Processing | 3 |
| CSC 353 | Introduction to Wavelet Theory and Applications | 3 |
| CSC 430 | Computability and Automata | 3 |
| CSC 455 | Computer System Performance Evaluation | 3 |

Software Development

| | | |
|---------|-------------------------------|---|
| CSC 375 | Artificial Intelligence | 3 |
| CSC 410 | Client/Server Computing | 3 |
| CSC 456 | Advanced Software Development | 3 |
| CSC 475 | Intelligent Systems | 3 |

Subtotal

12 credits

III. Related Fields

Computer Science majors must take the following courses to complete the computer science requirements:

| | | |
|---------|-----------------------------|---|
| MAT 230 | Discrete Structures | 3 |
| MAT 243 | Calculus I with Technology | 4 |
| MAT 244 | Calculus II with Technology | 4 |

Subtotal

11 Credits

Total 56 Credits

In addition to the core subject areas, the Computer Science program offers students a unique opportunity to focus on a specific concentration in hardware architecture, software development, net-centric computing, or computational science.

Recommended Course Sequence: Computer Science Major

Check all course descriptions for prerequisites before planning course schedule.

First Year

| Semester 1 | | Semester 2 | |
|--------------|-------------------|--------------|----------------------|
| CSC 110** | 3 | CSC 210 | 3 |
| MAT 130 | 3 | MAT 230 | 3 |
| or | | or | |
| MAT 230 | 3 | MAT 243 | 4 |
| Elective | 3 | LAP 130 | 3/4 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total | 15 credits | Total | 15-17 credits |

Second Year

| Semester 1 | | Semester 2 | |
|--------------|-------------------|--------------|-------------------|
| CSC 231 | 3 | MAT 244** | 4 |
| MAT 243 | 4 | CSC 251 | 3 |
| or | | | |
| CSC 300 | | Elective | 3 |
| MAT 244 | 4 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | | |
| Elective | 3 | | |
| Total | 16 credits | Total | 16 credits |

Third Year

| Semester 1 | | Semester 2 | |
|------------|---|-------------|---|
| CSC 330 | 3 | CSC 335 | 3 |
| CSC 340 | 3 | CSC 378 | 3 |
| Elective | 3 | CSC 300/400 | 3 |

| | | | |
|--------------|-------------------|--------------|-------------------|
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total | 15 credits | Total | 15 credits |

Fourth Year

| Semester 1 | | Semester 2 | |
|--------------|-------------------|--------------|-------------------|
| CSC 341 | 3 | CSC 445 | 3 |
| CSC 344 | 3 | CSC 450 | 3 |
| CSC 300/400 | 3 | CSC 300/400 | 3 |
| Elective | 3 | Elective | 3 |
| Elective | 3 | Elective | 3 |
| Total | 15 credits | Total | 15 credits |

Minor: Computer Engineering Sciences

Objectives

This minor is designed to provide students with the mathematical background and practical experience expected of computer engineering majors. The objectives of the computer engineering sciences minor are the following:

1. To give students a background in engineering to assist them in graduate engineering schools.
2. To assist students in pursuing careers in engineering.
3. To afford science and mathematics students an experience in engineering.

I. All courses in this section are required:

| | |
|---------|-----------------------|
| CSC 350 | Numerical Analysis |
| CSC 351 | Signals and Systems |
| CSC 355 | Digital Logic Lecture |
| CSC 356 | Digital Logic Lab |

II. Select one Computer Science elective numbered 300 or above.

III. Complete the following Mathematics courses:

| | |
|---------|------------------------|
| MAT 310 | Applied Linear Algebra |
| MAT 340 | Calculus III |

Minor: Computer Science

This minor is designed for students who anticipate that computer science will have a prominent role to play in their academic and professional career. The minor emphasizes fundamental programming skills and hands-on experience applying those skills to computer-related projects.

I. All courses in this section are required:

| | |
|---------|------------------------------------|
| CSC 210 | Computer Science and Programming I |
|---------|------------------------------------|

CSC 231 Computer Science and Programming II

CSC 330 Data Structures

II. Select two additional CSC courses number 2XX or above (except CSC 200) or two additional courses in the discipline of computing that are approved by the Computer Science Program Chair.

Minor: Management Information Systems (MIS)

The goal of the Management Information Systems minor is to prepare students to contribute to an increase in productivity and the generation of new products, services and ventures, using state-of-the-art computer applications for better communication, problem diagnosis and decision making.

The objectives are:

1. Provide business majors with the particular computer skills and knowledge that have now become essential in administrative and managerial positions, even at the entry level.
2. Introduce other majors, especially those in computer science, to the management applications of computer systems.

I. The MIS minor requires a total of 15/18 credits as follows:

CSC 110 Introduction to Computing and Problem Solving or Equivalent Computing Experience

II. Two Business courses:

A. BUS/BIS 442 Information Technology Project Management

B. BIS 361 Business Information Systems and Web Technologies

† *This is a 15 credit minor for those attending ECSU with a background in computing.*

III. Any three of the following seven options:

A. BIS 370 Systems Analysis and Design

B. CSC 200 Management Systems

C. CSC 210 Computer Science and Programming I

D. CSC 231 Computer Science and Programming II

E. CSC 249 Visual Basic or CSC 259 Advanced Visual Basic

F. CSC 251 Net-centric Computing

G. Any 300/400-level computer science course except internships

Cooperative Education

The Department participates in the Eastern Cooperative Education Program (please see catalog description). Participating students have worked in full-time paid positions in companies such as Computer Science Corp., Aetna U.S. Healthcare, Travelers, IBM, and UTC. Participants gain experience in a work environment, apply their academic skills, earn a significant salary, and, upon graduation, enter the work force beyond an “entry-level” position.

Facilities

The Department's computing facilities are structured to support state-of-the-art undergraduate education in computer science. The program emphasizes the hands-on experience in its curriculum and most of the computer science courses are taught in one of the six computer labs. A dedicated computer lab, which supports multiple operating systems, is available exclusively for computer science majors for their exploration and research activities. An additional hardware laboratory provides the students all required tools and equipment to support introductory through advanced hardware development with Field Programmable Gate Arrays, Embedded Microprocessors and System On a Chip (SoC) devices. A unique 16-node Beowulf cluster offers students a special opportunity to study parallel processing. Through membership subscription, the department provides students with some of the latest platforms, servers, and developer tools in the market. The department's computing facilities support J2EE, Microsoft.NET, and open-source computing environments.

Undergraduate Research

Undergraduate research opportunities are available for highly motivated Computer Science students. Independent studies and directed research projects are available in conjunction with faculty research interests. Students and faculty jointly participate in a seminar series that also involves outside speakers. Outstanding student work may be presented at professional societies. The ACM student programming team has consistently scored high in regional competition with other universities.

Upsilon Pi Epsilon

Eastern has the Alpha Charter of the Upsilon Pi Epsilon Computer Science Honor Society in Connecticut. This particular honor society is nationwide. Students in this society are asked from time to time to tutor other students in computer science, to represent our university on computer science issues, and to present undergraduate papers at computer science conferences.

Courses of Instruction: Computer Science

CSC 100 COMPUTER CONCEPTS

3 CREDITS

Note: This course is not for students with prior experiences in Computer Science. Not intended for majors. Those demonstrating computer competency may be exempted.

This course introduces students to the fundamental concepts that underlie computers and information technology. The focus is on the understanding of ideas rather than computer skills. Topics include computer hardware, software, network and communications, the Internet, computers in our world, multimedia computing, computers and the society, and computer and information technology as a discipline. The goal is to provide students with the knowledge necessary to be fluent in computer and information technology.

CSC 110 INTRODUCTION TO COMPUTING AND PROBLEM SOLVING

3 CREDITS

PREREQUISITE: MAT 101 OR EQUIVALENT; NOT OPEN TO STUDENTS WHO HAVE PASSED CSC 210.

This course seeks to build a foundation in computer science through the study of such topics as computer design, computer programming, information processing, and algorithmic solutions to problems. It provides the basis for today's computer applications as well as the foundations for tomorrow's applications, and will serve as a basis for beginning computer science students and others seeking an introduction to computer science and how it is applied to problem solving.

CSC 200 MANAGEMENT SYSTEMS

3 CREDITS

PREREQUISITE: CSC 100, CSC 110 OR EQUIVALENT

A foundation course in business with the goal of bringing the student to a level of technology required for entrance into the business professions. Topics include integrated software packages, computer presentations, database management, and the use of information technology in a global environment.

CSC 210 COMPUTER SCIENCE AND PROGRAMMING I

3 CREDITS

PREREQUISITE: MAT 130 OR EQUIVALENT AND PRIOR EXPERIENCE WITH COMPUTERS

An introduction to the fundamental concepts of computer science and programming. Topics include data types, control structures, arrays, files, and an introduction to objects, as well as debugging techniques and the social implications of computing. The course also offers an introduction to the historical and social context of computing and an overview of computer science as a discipline.

CSC 215 INTRODUCTION TO WEB DEVELOPMENT

3 CREDITS

This course introduces students to the concepts and techniques of web development. Students will examine characteristics that make a web page unique and functionally effective. This course uses a hands-on approach that allows students to apply web development techniques to design their own web pages. Standard web development software products and markup languages will be discussed. Web site implementation and problem solving strategies will also be covered.

CSC 220 VISUALIZING DATA, INFORMATION, AND IDEAS

3 CREDITS

PREREQUISITE: LAC TIER I MATHEMATICS

This course introduces students to the concepts, techniques, and application of visualizing data and information. Graphical visualization solutions can be applied to gain understanding and insights into data gathered from virtually any field, such as science, engineering, medicine, business, politics, or history. Visualization techniques can also be used to present and communicate ideas effectively. Through practical examples drawn from applications in a wide variety of disciplines, this course will demonstrate the creativity and power of visualization. The focus is on the critical thinking skills in visual representation not the technical details involved in image production.

CSC 231 COMPUTER SCIENCE AND PROGRAMMING II

3 CREDITS

PREREQUISITE: CSC 210

This course focuses on the concepts and fundamentals of the object-oriented programming methodology. It provides an introduction to the fundamentals of object-oriented design and the definition and use of classes. Other topics include an overview of programming language principles, human-computer interfaces, basic searching and sorting techniques, and an introduction to software engineering issues.

CSC 249 VISUAL BASIC**3 CREDITS**

PREREQUISITE: CSC 110

This course introduces the student to the exciting world of Windows, Internet and WWW programming with the new Visual Studio and .NET platform. The students will also see Visual Basic as an event-driven, object-oriented computer language for distributed processing, as well as applications programming. There will be a dedicated computer laboratory available for student use every day of the session for the course. Student laboratory monitors and tutorial assistance will be available.

CSC 251 NET-CENTRIC COMPUTING**3 CREDITS**

PREREQUISITES: CSC 231 AND MAT 230

An introduction to the structure, implementation, and theoretical underpinnings of computer networking and the applications that have been enabled by that technology. Topics include communication protocols, networking, client-server computing, web-based technologies, data compression, network management, wireless and mobile computing.

CSC 259 ADVANCED VISUAL BASIC**3 CREDITS**

PREREQUISITE: CSC 249

A course dealing with ActiveX controls, databases, Internet programming and object-oriented programming.

CSC 269 SPECIAL TOPICS IN COMPUTER LANGUAGES**3 CREDITS**

PREREQUISITE: CSC 210 OR EQUIVALENT

A course designed to give students an opportunity to study various computer application languages that evolve in the field.

CSC 311 VIDEO GAMES WITH GAME ENGINES**3 CREDITS**

PREREQUISITE: CSC 210

Examines computer programming of video game design and computer language concepts such as structured and object-oriented design, data structures, event-driven design and user interface design.

CSC 312 COMPUTER GRAPHICS**3 CREDITS**

The course gives some introductory principles in the design, use, and understanding of computer graphics systems. The course uses an integrated approach to two-dimensional and three-dimensional graphics topics. The course uses contemporary computer graphics APIs with high level programming languages to illustrate examples in computer graphics. Finally, window system independent toolkits for interfacing cross all PC and workstation OS platforms.

CSC 325 INTRODUCTION TO THEORY OF COMPUTING**3 CREDITS**

This course introduces students to the concepts of formal languages and automata theory, which form the foundations of theoretical computer science. The treatment is mathematical, but the point of view is that of Computer Science. By learning formal languages and automata theory you will better understand the relationship between the generation of languages by grammars and their acceptances by machines (computers).

CSC 330 DATA STRUCTURES**3 CREDITS**

PREREQUISITES: CSC 231 AND MAT 230

This course is an introduction to the fundamental concepts of data structures and algorithms. Topics include recursion, the underlying philosophy of object-oriented programming, fundamental data structures (including stacks, queues, linked lists, hash tables, trees and graphs), and the basics of algorithmic analysis.

CSC 335 DESIGN AND ANALYSIS OF COMPUTER ALGORITHMS**3 CREDITS**

PREREQUISITES: CSC 231, CSC 330 AND MAT 230

This course is an introduction to the design and analysis of computer algorithms. The emphasis is on general algorithm design techniques such as divide-and conquer, dynamic programming, the greedy method, and heuristic search. Also emphasized is the applications of these techniques in solving real problems that arise frequently in computer applications. The course will include the analysis of algorithms in terms of time and space complexities.

CSC 337 COMPUTER NETWORKS AND DISTRIBUTED PROCESSING**4 CREDITS**

PREREQUISITES: CSC 330

This course examines techniques for transmitting information over a variety of communication structures. The course investigates performance issues of networks both deterministically and stochastically. The course considers the consequence that the distributed character of all network problems has on their difficulty. The course considers the ways in which these issues are addressed by current networking protocols such as TCP/IP, Ethernet, and Appletalk.

CSC 338 LANs, MANs AND INTERNETWORKING**4 CREDITS**

PREREQUISITE: CSC 330

Further investigation of the programming of computer networks and distributed systems.

CSC 339 NETWORK MANAGEMENT AND ADMINISTRATION **4 CREDITS**

PREREQUISITES: CSC 337 AND CSC 338

This course focuses on the problems, solutions and limitations associated with the configuration, management, administration, and maintenance of communications networks. This course considers a “hands on” approach with several heavy practical applications. Important standards such as SNMP and CMIP are emphasized. Additional topics include: configuration management, security and accounting management.

CSC 340 PROGRAMMING LANGUAGES AND TRANSLATION **3 CREDITS**

PREREQUISITES: CSC 231 AND MAT 230

This course is an introduction to the design and implementation of programming languages and the basic concepts of language translation. Topics include syntax, semantics, parsers, binding, scopes, parameter passing, control structures, and run-time environments. Various programming paradigms will also be examined to illustrate these principles.

CSC 341 DATABASE AND INFORMATION MANAGEMENT **3 CREDITS**

PREREQUISITE: CSC 330

The task of organizing large volumes of information of potentially different kinds is a daunting one. Typically, resolution of the associated problems depends on the use of an underlying database technology, often involving networking. This course addresses the theoretical, technical and social issues involved, as well as the use of information for intelligent decision-making.

CSC 344 OPERATING SYSTEMS**3 CREDITS**

PREREQUISITE: CSC 330

This course is an introduction to the fundamental concepts, structure, and mechanisms of operating systems that provide the environment for computer applications and users. The primary focus will be the principles in the design of the basic components of an operating system including user interface, process management, process synchronization and communication, CPU scheduling, memory management, file management, device management, networks, and security. Operating systems such as Microsoft Windows, UNIX, and Linux will be examined.

CSC 347 EMBEDDED MICRO-CONTROLLERS**3 CREDITS**

PREREQUISITE: CSC 337

The purpose of this course is to cover the basic elements of embedded micro-controllers.

CSC 350 (MAT 350) NUMERICAL ANALYSIS**3 CREDITS**

PREREQUISITES: CSC 210 OR 231 AND MAT 244

Computer solution of problems of interpolation, approximation, numerical integration, polynomial and differential equations, and systems of linear equations.

CSC 351 SIGNALS AND SYSTEMS**4 CREDITS**

PREREQUISITES: CSC 350

The student will investigate the representations of signals for the computation by computer and the different descriptions and formalisms for digital systems. As applications of computers as embedded control systems continues to increase, it is necessary for the computer science student to have a background in the techniques used in the description and analysis of complicated analog, digital and hybrid systems.

CSC 352 DIGITAL SIGNAL PROCESSING**3 CREDITS**

PREREQUISITES: CSC 351

Students will continue their study of the application of computers for the processing of signals. The student will learn the techniques to describe, design and implement computer systems for the processing of signals, including one-dimensional (audio), and two-dimensional (images). Techniques covered include time and frequency techniques for signal representation and processing.

CSC 353 (MAT 353) INTRODUCTION TO WAVELET THEORY AND APPLICATIONS**3 CREDITS**

PREREQUISITES: CSC 110 OR CSC 210 AND MAT 244

An introduction course to the most recently developed wavelet theory and applications by using real world examples and computer assisted visualization. The primary audience is student with interests in engineering, applied mathematics and statistics.

CSC 355 DIGITAL LOGIC (LECTURE)**3 CREDITS**

PREREQUISITE: MAT 230

Basic digital logic including binary systems, Boolean algebra, logic gates, simplification techniques, combinational logic, MSI, LSI, sequential logic, registers, counters, memory, RTL, processor logic and logic families.

- CSC 356 DIGITAL LOGIC (LABORATORY)** **1 CREDIT**
Optional laboratory offered simultaneously with CSC 355.
- CSC 358 PARALLEL PROCESSING** **4 CREDITS**
PREREQUISITES: CSC 330, MAT 230
The course presents the fundamentals of parallel processing. Included in the course are the taxonomy, classification, and models of parallel processing. Architectures considered are SIMD and MIMD. Applications discussed are sorting, FFT, dictionary operations, matrix multiplication, numerical algorithms, graph algorithms, combinatorial search, and pipeline processing. Actual implementations are programmed on the department's multi-computer system.
- CSC 360 TOPICS IN CSC** **3 CREDITS**
PREREQUISITE: CONSENT OF INSTRUCTOR
The treatment of special topics in computer and information science.
- CSC 365 ADVANCED DIGITAL LOGIC (LECTURE)** **3 CREDITS**
PREREQUISITE: CSC 355
Students will continue their study of the theory and design of digital systems, focusing on the more advanced topics of design including: design techniques to minimize cost and/or power; verification techniques and test bench design; and design of SoC and mixed (analog and digital) technology. This course has an optional laboratory (see CSC 366).
- CSC 366 ADVANCED DIGITAL LOGIC LABORATORY** **1 CREDIT**
PREREQUISITE: CSC 356
An optional laboratory offered simultaneously with CSC 365. Students will use their knowledge of digital logic design obtained in CSC 355, CSC 356 and CSC 365 to realize digital systems using industry-standard hardware prototyping technologies (FPGA, CPLD, etc.).
- CSC 375 ARTIFICIAL INTELLIGENCE** **3 CREDITS**
PREREQUISITE: CSC 330
A study of the goals and methods of artificial intelligence, the area of computer science concerned with designing "apparently" intelligent computer systems. Covers basic problem-solving techniques, knowledge representation, and a brief overview of expert systems.
- CSC 378 COMPUTER ORGANIZATION AND ARCHITECTURE** **3 CREDITS**
PREREQUISITE: CSC 231
This course is an introduction to the fundamental concepts of the structure and logical design of components of digital computers. Topics include assembly languages and instruction sets, data representation, basic digital logic, CPU design, pipelining, memory system, I/O interface, and multiprocessors.
- CSC 410 CLIENT/SERVER COMPUTING** **3 CREDITS**
PREREQUISITE: CSC 330
This course is an introduction to client/server computing and programming. Topics include the two-tiered client/server model, multi-tiered client/server model, fat-client/server model, thin-client/server model, middleware, and distributed objects. Students are required to program in this course.

CSC 420 MICROPROCESSORS**3 CREDITS**

PREREQUISITE: CSC 355

The microprocessor as a basic control element. Included is interrupt control, DMA, real time programming. Covers topics of elementary interfacing to the microcomputer, such as serial, parallel, and synchronous I/O. Covers basic assembly language programming for I/O.

CSC 430/530 COMPUTABILITY AND AUTOMATA**3 CREDITS**

PREREQUISITES: CSC 210 OR CSC 231, CSC 330 and MAT 230

Introduction to theoretical computer science emphasizing computability (how to tell whether a problem is algorithmically solvable), formal languages, and automata. Topics chosen from the concept of an algorithm, Turing machines, primitive recursive functions, Godel's theorem, Church's thesis, unsolvable problems, parsing, regular languages and finite automata.

CSC 445 SOFTWARE ENGINEERING AND PROFESSIONAL PRACTICE**3 CREDITS**

PREREQUISITE: CSC 330

This course combines a range of topics integral to the design, implementation and testing of a medium-scale software system with the practical experience of implementing such a project as a member of a development team. In addition to material on software engineering, this course also includes material on professionalism and ethical responsibilities in software development and human-computer interaction.

CSC 450 SENIOR SEMINAR**3 CREDITS**

PREREQUISITE: SENIOR STANDING

This is the writing course for the major. It includes project proposals, software proposals, technical writing, semester projects, high-level and new issues in computer science.

CSC 455/555 COMPUTER SYSTEM PERFORMANCE EVALUATION**3 CREDITS**

PREREQUISITES: CSC 330 AND MAT 244

An introduction to the mathematical analysis of computer systems using Markov Processes, queuing theory, networks, I/O analysis, multiprocessors, simulation and approximation of models.

CSC 456 ADVANCED SOFTWARE DEVELOPMENT**3 CREDITS**

PREREQUISITES: CSC 210, CSC 231, CSC 330 AND CSC 445

A senior level course in the implementation of Object-Oriented Analyses and Object-Oriented Designs. At least three programming projects with team work required.

CSC 461-469 SEMINARS IN SELECTED COMPUTER TOPICS 3 CREDITS**PREREQUISITE: CONSENT OF THE INSTRUCTOR**

| | |
|---------|---|
| CSC 461 | Topics in Computer Education at the Primary Level: (Logo) |
| CSC 462 | Topics in Computer Education at the Secondary Level |
| CSC 463 | Topics in Computer Graphics |
| CSC 464 | Structured Computer Language |
| CSC 465 | Topics in Formal Language Theory |
| CSC 466 | Topics in Distributed Databases |
| CSC 467 | Topics in Applied Mathematics |
| CSC 468 | Topics in Advanced Data Processing |
| CSC 469 | Special Topics in Technology |

CSC 475 INTELLIGENT SYSTEMS**3 CREDITS**

PREREQUISITE: CSC 330

This course is intended to give a wide exposure to the history and the current state of the field of artificial intelligence with an emphasis on the area of knowledge-based systems. Students will be introduced to the different knowledge-based systems methodologies and familiarized with the relative strengths and weaknesses of these technologies. Students will also be exposed to the basic programming principles behind some of these techniques.

CSC 480 INDEPENDENT STUDY**3 CREDITS**

PREREQUISITE: APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

CSC 485 INTERNSHIP IN COLLEGE TEACHING**2 CREDITS**

By invitation of the instructor only, can be taken more than once. Graded on a credit/no credit basis.

CSC 490 COMPUTER INTERNSHIP**6 CREDITS**

CONSENT OF DEPARTMENT

On-the-job training. The student will work 16 to 20 hours per week for one semester or one summer in the computer section of some private industry.

CSC 491 COMPUTER INTERNSHIP**3 CREDITS**

PREREQUISITE: THOROUGH KNOWLEDGE OF ONE PROGRAMMING LANGUAGE OR CONSENT OF DEPARTMENT

On-the-job training. The student will work 8 to 10 hours per week for one semester or one summer in the computer section of some private industry.

ENGLISH LANGUAGE AND LITERATURE

Chairperson: *Elena Tapia*

Professors: *Rita Malenczyk, Raouf Mama, Marcia P. McGowan, Elena Tapia*

Associate Professors: *Miriam Chirico, Meredith Clermont-Ferrand, Susan DeRosa, Stephen Ferruci, Lisa Rowe Fraustino, Jian-Zhong Lin, Barbara Little Liu, Kenneth McNeil, Christopher Torockio*

Assistant Professors: *Daniel Donaghy, Reginald Flood, Meredith James, Maureen McDonnell, Benjamin Pauley, Lauren Rosenberg*

Major: English (B.A.)

Objectives

The major in English is designed to provide an understanding of the complexity and versatility of our language and literature and to cultivate skill in critical and creative thinking, writing, and research. The study of language and literature is practical because it engages us in the kind of critical-thinking and problem-solving analysis important in a variety of fields, from medicine to law, philosophy to commerce, diplomacy to applied technology, as well as to success in the creative arts. The courses fulfilling this requirement teach how to read situations, interpret details, evaluate competing points of view, and form insightful questions—in other words, to develop supple and lively habits of mind. People who understand language and literature comfortably acquire a generous skepticism which enables them to move beyond established solutions and predictable outcomes in all domains of human endeavor. Readings are selected for literature and language courses because they broaden our perspective on the world, human values, personal and community life, and require us to come to terms with uncertainties, value judgments, and emotions.

Admission to the Program

Prospective English majors apply to the department chairperson before beginning their junior year. Because of the variety of course offerings and the flexibility of the English curriculum, it is especially important that majors work out, with the help of a faculty advisor, a program of study suitable to their future plans.

Degree Requirements

The English Department works to help the individual majors follow personal interests. The minimum requirements for the major total 42 credits beyond the General Education Requirements (with a C or better for each course) and must include:

- Introduction to English Studies (ENG 202)
- Writing for English Majors (ENG 203)
- One historical survey course chosen from: ENG 212, ENG 213, ENG 214, ENG 215, ENG 356
- One course in literature by women writers chosen from: ENG 228, ENG 307, ENG 356, ENG 357
- One course in literature of race, culture, and power chosen from: ENG 255, ENG 256, ENG 258, ENG 259, ENG 344, ENG 345

- One course in early-period literature chosen from: ENG 307, ENG 316, ENG 317, ENG 323, ENG 335, ENG 336, ENG 337
- One course in middle-period literature from the 18th and/or 19th centuries chosen from: ENG 318, ENG 319, ENG 320, ENG 322, ENG 331, ENG 342
- One course in late-period literature from the 20th and/or 21st centuries chosen from: ENG 234, ENG 325, ENG 326, ENG 332, ENG 333, ENG 334, ENG 350, ENG 357
- One course in language studies chosen from: ENG 340, ENG 341, ENG 347, ENG 370, ENG 371, ENG 375, ENG 380
- Two three-credit sequential senior seminars: (ENG 461 - ENG 462)
(*Guided research on a designated topic, resulting in a major scholarly essay*)
- Three additional English elective courses
- Total course credits for the English Major must total at least 42 credits.
- Occasionally, Special Topics courses may meet the requirements of another category with consent of the department.
- A student must take at least four 300-level English courses
- When a course is listed in two or more categories, it can fulfill each of them. A student must then satisfy the total credits required for the major with English electives.

Only English courses receiving a grade of 2.0 (C) or above may be counted toward the major. Credits for ENG 100 College Writing cannot be used as part of the 42 credits required for the English major, nor can credit for ENG 241, Critical and Creative Thinking.

So that they will be exposed to different viewpoints and specialized knowledge in a number of fields, English majors are encouraged to take courses with as many members of the English department as scheduling permits. Those who intend to do graduate work should achieve a balance in the range and type of courses selected and maintain at least a “B” average in English.

Recommended courses outside the department include French and Spanish Literature; Eastern and Western history and philosophy; music and art; and women’s studies. Majors interested in taking advanced degrees in English should become proficient in a foreign language. Career opportunities for English majors include teaching, journalism, research, law, public service, media, and management. Students interested in obtaining certification to teach English in Connecticut’s elementary and secondary schools should begin to fulfill requirements for those programs during their sophomore year. Those interested in teaching on the college level should inquire about the department’s internship program.

English Major Exit Portfolio Requirement

The English Department requires each English major to turn in a writing portfolio to the department chairperson as a graduation requirement. This portfolio must consist of clean copies of the following six items:

- One paper from ENG 203, Writing for English Majors

- One paper from any survey course (ENG 212, 213, 214, 215, 356)
- Two papers of the student's choice from different 300-level English courses
- The final seminar paper completed at the end of ENG 461-462, Senior Seminar
- A reflective essay on the student's academic experience as an English major (guidelines are available online and in the Department office)

The department chairperson will report completion of the exit portfolio to the Registrar, who will enter ENG 075 on the student's transcript.

Suggested Course Sequence: English Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule. 42 credits are required for the English Major.

First Year

| | | |
|--------------|--|-------------------|
| LAC | 15 | |
| ENG 100 | College Writing | 3 |
| MAT *** | Math Course Beyond Algebra II | 3 |
| CSC 100 | Computer Concepts | 3 |
| ENG 202 | Introduction to English Studies | 3 |
| ENG 1**/ 2** | English course elective such as ENG 125, 225, 226, 227, 240 | 3 |
| Total | | 30 credits |

Second Year

| | | |
|------------------|---|-------------------|
| LAC | | 9-12 |
| Foreign Language | | 0-6 |
| ENG 203 | Writing for English Majors | 3 |
| ENG 2** | ENG surveys: 212/213; 214/215 | 3 |
| ENG 2** | Literatures of Race, Culture & Power: 255, 256, 258 | 3 |
| ENG 228 | Poetry of Women | 3 |
| or | | |
| ENG 234 | Contemporary Fiction | 3 |
| Electives | | 3-12 |
| Total | | 30 credits |

Third Year

| | | |
|-----|--|-----|
| LAC | | 4-7 |
|-----|--|-----|

| | | |
|--------------|-------------------------------------|-------------------|
| ENG 3** | Period Courses | 3-6 |
| or | | |
| ENG 3** | Language studies | 3-6 |
| ENG 356/357 | Women Writers | 3 |
| ENG 344/345 | Literature of Race, Culture & Power | 3 |
| Electives | | 3-12 |
| Total | | 30 credits |

Fourth Year

| | | |
|--------------|-------------------------|-------------------|
| LAC | 3-6 | |
| ENG 3** | Period Courses | 3-6 |
| ENG 3**/4** | English Electives | 3-6 |
| ENG 461/462 | Senior Seminar Sequence | 6 |
| Electives | | 6-12 |
| Total | | 30 credits |

Minor: English

The English minor is designed to complement students' majors; to acquaint them with literary themes, genres, and periods; to introduce them to the study of language; and to help them become proficient writers.

The minor in English is a course of study planned with a department advisor and consists of 15 credits beyond the LAC and beyond the English writing requirement. Courses to be counted must receive a grade of 2.0 or higher. At least nine credits are to be earned in 300-level or above courses. ENG 241 does not count toward the English minor. Approval of a course of study for the minor program by the department chairperson is required.

Minor: Writing

The Minor in Writing complements a student's major with coursework that allows students to exercise their imaginations through disciplined work in the craft of writing. The goal is for students to develop and refine their individual skills, informed by a broad aesthetic and cultural background. The sequence aims to serve the novice writer as well as the more experienced student, with options for focusing on creative writing (fiction and poetry) as well as composition and rhetoric.

The minor will consist of an 18-credit sequence (see "Requirements" below). For English majors, nine of the 18 credits must be earned in addition to the 42 needed to fulfill the English major requirement. Thus, an English major with a Minor in Writing will be required to complete 51 total credits in English beyond the GER.

Courses to be counted must receive a grade of 2.0 or higher. Approval of a course of study for the minor program by the department chairperson is required.

Requirements: 18 Credits Total

Requirements: 6 credits

- ENG 200 Reading and Writing Argument
- ENG 205 Introduction to Creative Writing

Twelve (12) Credits from the following:

- ENG 300 Professional Writing
- ENG 301 Writing Fiction
- ENG 302 Writing Poetry
- ENG 308 Playwriting
- ENG 309 Writing for Children and Young Adults
- ENG 353 Storytelling
- ENG 365 Special Topics in Creative Writing
- ENG 365 Special Topics in Rhetoric & Composition
- ENG 370 Composition Theory & Pedagogy
- ENG 371 Rhetorical Theory & Criticism
- ENG 380 Creative Nonfiction
- ENG 381 Advanced Fiction Workshop
- ENG 382 Advanced Poetry Workshop
- ENG 383 Literary Publishing
- ENG 480 Independent Study in Creative Writing or Rhetoric & Composition
- ENG 493 Internship in College Writing
- ENG 495 Internship in Writing or Editing

Secondary Certification Requirements

Students seeking to teach English on the Secondary level must include as part of their major ENG 329, and either ENG 340 or ENG 341. ENG 203, required of all majors, fulfills the State requirement for a course in advanced writing. Note: ENG 240 does not meet the requirement for an advanced course in the grammar and history of English.

Honors: Sigma Tau Delta

Students who are enrolled in Writing for English Majors (ENG 203) and possess an aptitude for writing, an intellectual curiosity, the motivation to work independently, and a minimum grade point average of 3.25 will be identified by their professors as potential honors students. Those wishing to be involved in the program must write a letter of intent and obtain two letters of recommendation from English faculty. Advisors and other faculty members will recommend that these students take the seminar during their junior year. It is also recommended that English Honors students take ENG 370, Composition Theory and Pedagogy.

English Honors students will normally take their senior seminar (ENG 461 and ENG 462) in their junior year. Following completion of the seminar and under the direction of a faculty advisor, honors students will write an honors thesis in which they either expand their seminar paper or write about a special topic. An important final component of the process is a presentation in which the student will be expected to discuss his or her research with an English class or with the thesis committee. Honors students follow an established schedule, which is available from the English Department.

A student who is accepted into the University Honors Program and who writes an acceptable English thesis for that program fulfills the thesis requirement for English Honors. However, he or she must then present that paper to an English class or an English Honors committee. Any student who is accepted into the English Honors program automatically becomes a member of Sigma Tau Delta. Around March 15, the English Department notifies the Registrar of all students graduating with English Honors (pending completion of thesis).

Courses of Instruction: English Language and Literature

ENG 100 COLLEGE WRITING

3 CREDITS

PREREQUISITE: PLACEMENT BY THE ENGLISH DEPARTMENT

In this course, students learn to write expository essays—to focus, organize, develop, and revise a paper; to use evidence to support their judgments; to write for readers; to think critically about what they read, see and hear; to observe the conventions of standard written English. The course also includes instruction in research, documentation of sources, and use of library materials.

ENG 100P COLLEGE WRITING PLUS

5 CREDITS

PREREQUISITE: PLACEMENT BY THE ENGLISH DEPARTMENT

This course is intended for students who can benefit from additional support as they begin writing for college. Students work on the same kind of writing skills and assignments as in English 100, College Writing (see English 100 course description above). The two-hour lab offers supplemental practice and individualized instruction.

ENG 125 INTRODUCTION TO LITERATURE

3 CREDITS

An introduction to the major literary genres: fiction, poetry, and drama.

ENG 200 READING AND WRITING ARGUMENT

3 CREDITS

PREREQUISITE: ENG 100 OR PLACEMENT BY THE ENGLISH DEPARTMENT

Note: All writing courses above the 100 level meet the state requirements for certification in secondary teaching of English.

An advanced composition course in which students develop strategies for analyzing and writing arguments. Students will learn to produce different genres of argument for different audiences and to use research to advance and support an argument.

ENG 202 INTRODUCTION TO ENGLISH STUDIES

3 CREDITS

PREREQUISITES: ENGLISH MAJORS ONLY; NON-MAJORS WITH PERMISSION OF INSTRUCTOR

This course will introduce beginning English majors to the different disciplines—literature, composition/rhetoric, linguistics, creative writing—that comprise the field of “English” and to the major issues, debates, and controversies that drive English study in the 21st century.

ENG 203 WRITING FOR ENGLISH MAJORS

3 CREDITS

Note: Enrollment limited to 15 students.

A course in critical writing about literature. This course is limited to and required of all English majors and fulfills the University Writing Competency requirement if passed with a B or better. It should be taken as soon as possible, preferably in the sophomore year; it is strongly recommended that students complete this course before taking any 300-level English courses. Completion of ENG 203 with a C or higher is a prerequisite for ENG 461/462, Senior Seminar.

ENG 205 INTRODUCTION TO CREATIVE WRITING**3 CREDITS**

A rigorous, nurturing introductory poetry and fiction workshop. Though students will read and discuss many masterful poems and short stories, the emphasis, ultimately, is on generating and revising student work.

ENG 210 LITERATURE OF WESTERN SOCIETY TO 1400**3 CREDITS**

Major writings that have established the traditions of Western literature and thought. Studies may include Homer, the Bible, Sappho, Aeschylus, Sophocles, Thucydides, Plato, Aristotle, Catullus, Virgil, Ovid, Dante.

ENG 211 LITERATURE OF WESTERN SOCIETY FROM 1400**3 CREDITS**

Western literature from the beginning of the Renaissance to the 20th century. Erasmus, Machiavelli, Rabelais, Cervantes, Moliere, Voltaire, Goethe, Dostoyevsky, Ibsen, Baudelaire, and Kafka may be included.

ENG 212 AMERICAN LITERATURE TO 1865**3 CREDITS**

From Colonial times to the Civil War. Usually represented are Bradstreet, Paine, Jefferson, Irving, Cooper, Hawthorne, Poe, Melville.

ENG 213 AMERICAN LITERATURE FROM 1865**3 CREDITS**

From 1865 to the present. Major writers often included are Whitman, Dickinson, Clemens, James, Adams, Chopin, Dreiser, Frost, Cummings, Ellison.

ENG 214 ENGLISH LITERATURE TO 1798**3 CREDITS**

From the earliest books written in the English language through 1798. May include Chaucer, Sidney, Spenser, Shakespeare, Donne, Behn, Jonson, Milton, Swift, Pope, Johnson.

ENG 215 ENGLISH LITERATURE FROM 1798**3 CREDITS**

From the Romantic Period to the present. May include Blake, Wordsworth, Coleridge, Byron, P. B. Shelley, Keats, Mary Shelley, Tennyson, Browning, Dickens, the Rossetts, the Brontes, Hardy, George Eliot, T. S. Eliot, Woolf, Auden, Lessing.

ENG 225 FICTION**3 CREDITS**

Various types of fiction, including tales, short stories, novellas, and novels, and such elements as theme, action, character, point of view, and style will be considered.

ENG 226 DRAMA**3 CREDITS**

Study of various kinds of drama and their historical periods. Major plays by dramatists of the classical and modern ages will be considered.

ENG 227 POETRY**3 CREDITS**

Emphasis on understanding poetry through practice in close critical reading and exploring the social and cultural work poems perform, such as nurturing sensibility, enriching perceptions, strengthening vocabulary, expanding imagination and creativity, and altering one's perspective with regard to the realities of others across time and across cultures.

ENG 228 (WST 228) POETRY OF WOMEN**3 CREDITS**

Explores the work of several 19th and 20th century women poets. Poetry is approached through an examination of a women's tradition of literary influence and through observing how women re-structure social relations and ethical beliefs through the invention of new symbolic orders, new mythologies, and new narratives that empower the lives of women and men.

ENG 234 CONTEMPORARY FICTION**3 CREDITS**

Studies in contemporary novels and short stories.

ENG 235 LITERATURE OF THE BIBLE**3 CREDITS**

Emphasis on artistic and human values. Readings from the Bible include memorable stories, significant incidents, vivid characters and representations of a variety of literary genres. The course primarily deals with the Bible as a literary text, reflecting the consensus of modern scholarship, rather than views based on theology, dogma or religious belief.

ENG 239 THE MEDIEVAL WORLD THROUGH FILM**3 CREDITS**

In this course we will view a number of films whose themes, subjects and settings are “medieval” and ask how “accurate” are the representations of the Middle Ages in film and television when compared with manuscript illustrations and medieval texts describing daily life. We will also consider which elements have been added to a movie set in the Middle Ages to attract a modern audience.

ENG 240 THE STUDY OF LANGUAGE**3 CREDITS**

A survey of perspectives of the English language and its various structural systems: word parts, sentence relations, sound, and meaning systems. Introduction to linguistic analysis. Examination of related topics such as language use, language change, and dialects.

ENG 241 CRITICAL AND CREATIVE THINKING**3 CREDITS**

PREREQUISITE: FRESHMAN OR SOPHOMORE STATUS ONLY

This course invites students to examine their own ways of knowing by studying the effects of culture, gender, and bias on clear thinking. Students will experiment with different methods of investigation and analysis with a strong emphasis on reading and writing as a means of improving thinking. ENG 241 does not count toward the English major or minor. Freshman or sophomore status only.

ENG 242 LITERATURE AND SOCIAL ISSUES**3 CREDITS**

Literature as engaged with social issues and problems. Readings will focus on the stance of literature in relation to political, social, and economic realities. Topics will vary. Examples of past topics include but are not limited to: Apartheid in South Africa, the Civil Rights movement in the U.S., the nature and function of professional sports in the U.S., the family farm in 20th-Century America, life and politics in contemporary Central America, changing sex roles, the Vietnam War.

ENG 250 WORLD MYTHOLOGIES**3 CREDITS**

This introduction to world mythologies provides an overview of the mythic motifs which have been and continue to be an important part of every known culture. Readings will examine the “classical” myths of ancient Greece and Rome, as well as those of African, Irish, Indian, Judeo-Christian, Muslim, Hindu, and Native American origin.

ENG 251 (AMS 251, HIS 251) INTRODUCTION TO AMERICAN SOCIETY**3 CREDITS**

An interdisciplinary study of one significant aspect of the American experience, such as the role of the frontier, of the city, of religion, or of business enterprise.

ENG 255 INTRODUCTION TO AFRICAN AMERICAN LITERATURE & CULTURE **3 CREDITS**

A study of literature by writers of African heritage in the Americas. Writers include Equiano, Wheatley, Douglas, Harper, Chestnut, DuBois, Hughes, Petry, Baldwin, Walcott, Baraka, and Dove.

ENG 256 NATIVE AMERICAN LITERATURE **3 CREDITS**

Study of American Indian literature from early forms such as songs, orations, and traditional narratives, including trickster-tale cycles, to more recent genres of autobiography, essays, poetry, and fiction.

ENG 258 ASIAN-AMERICAN LITERATURE **3 CREDITS**

An examination of the literature of Asian Americans as an expression and experience of their efforts to formulate and/or maintain their identity. Writers vary but may include the Gold Mountain poets, Maxine Hong Kingston, Toshio Mori, John Okada, and Amy Tan.

ENG 259 CHICANO/CHICANA LITERATURE AND CULTURE **3 CREDITS**

Students will discover the literature of a dynamic and influential population spread throughout the U.S. and consider the complexities that surround all issues of “identity politics.” Topics include, among others, the struggle for political and individual autonomy, bilingualism, the border as an imagined space and as cultural metaphor, and the impact of Chicano literature on the broader spectrum of American culture.

ENG 260 (WST 260) INTRODUCTION TO WOMEN’S STUDIES **3 CREDITS**

Note: Recommended for those wishing to take advanced women-related courses. Required of all Women’s Studies minors.

Provides necessary contextual background for the study of women and literature as well as the study of the cultural history of women.

ENG 266 (WST 266) MINI-LIT **1 CREDIT**

A five-week course. Students may take from one to three courses each semester and repeat the course with different topics. Credit applicable to Women’s Studies minor when the topic is appropriate.

ENG 275 TUTORING WRITING **1 CREDIT**

This course will prepare students to act as writing tutors in first-year writing courses or in a writing center. A basic grounding in writing center theory and practice will be presented. Students will have ample opportunities to experience common tutoring situations and problems through role-play, observation, and mock tutorials.

All students taking courses in languages and literature on the 300 and 400 levels must have completed ENG 100 and a 100- or 200-level literature course.

ENG 300 PROFESSIONAL WRITING **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

This course is designed to provide students with some exposure to the diverse field of professional writing. Because basic writing skills are important to any writing, students will be working at improving skills. Students will practice using a reference manual when editing their own work and take part in group activities.

ENG 301 WRITING FICTION**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Note: Enrollment limited to 15 students.

A course in fiction writing at the introductory level.

ENG 302 WRITING POETRY**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Guided by close readings of contemporary models, participants will write poems and present them for group critique. This course includes instruction on the nuts and bolts of writing poetry and the growth of aesthetic judgment. Basic techniques include linked and evolving images, metaphors and other figures of speech, fixed and open forms, line breaks, rhythms, rhymes and various means of capturing a human voice in dramatic and imaginative writing. Focus is on the interplay of figural and literal language and on the union of content and form. No prior experience writing poems is assumed; however, this is a demanding course, not for dilettantes or dabblers. Students are graded on a polished portfolio of finished work.

ENG 307 (WST 307) MEDIEVAL WOMAN MYSTICS**3 CREDITS**

PREREQUISITES: ENG 100 and a 100- or 200- LEVEL LITERATURE COURSE

The course is an introduction to the study of the mystical tradition through the examination of the lives and writings of selected women mystics. The writings of these women will provide us with a bold and vivacious answer to the classical and medieval antifeminist traditions which depict woman as the bane of Adam, the root of all evil, the source of temptation, or, at the opposite pole, as idealized and virginal objects of worship.

ENG 308 (THE 308) PLAYWRITING**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Students will invent, develop, and explore their scripts in progress in a workshop format and one-on-one with the instructor. The workshop format involves readings and critiques designed to enable the students to strengthen the storyline, dramatic structure, character development, dialogue and premise through revision and transformation. The culmination of the course involves a public reading and submission of polished work to the appropriate media outlet.

ENG 309 WRITING FOR CHILDREN AND YOUNG ADULTS**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

This course takes a workshop approach and covers the process of writing for children and young adults, from birthing new ideas through exercises, to developing concepts into age-appropriate literary forms, to writing, critiquing, and revising from editorial suggestions. Students will also learn how the children's publishing business operates.

ENG 316 MEDIEVAL BRITISH LITERATURE**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

This course will cover—in the original language—medieval English lyrics, legends, romance, drama, allegorical verse, fabliaux, and chronicles. Students will gain a basic acquaintance with some of the fundamental concerns connected with Middle English literature; learn to pronounce and understand Middle English with a reasonable degree of accuracy and ease; and examine selected readings as works of literature.

ENG 317 RENAISSANCE LITERATURE**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

In the 16th and early 17th century, writers saw themselves as participating in a time of artistic rebirth. This course will offer an in-depth study of the poetry, prose, and drama from the age of Shakespeare. Reading Renaissance literature within a social and historical context, students may learn about various topics such as exploration and discovery, translation, religious turmoil, nationalism, and the rise of the author. Writers may include Shakespeare, Spenser, Queen Elizabeth, Skelton, Jonson, Philip and Mary Sidney, Aemilia Lanyer, Marlowe, Webster.

ENG 318 RESTORATION LITERATURE**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

The literary age in England from 1660 to 1700. The restoration of Charles II to the throne following the execution of his father and the failure of the English Commonwealth had a profound impact on the literature of the day, from the reopening of the theaters, to the elevation of scientific learning, to the development of the novel. Authors may include John Dryden, Aphra Behn, John Wilmot, William Wycherly, and others.

ENG 319 AGE OF SENSIBILITY**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Literature of the times of Samuel Johnson (1709-1784) in England. Sentimentality, reason, and terror as paths to the new individualism.

ENG 320 VICTORIAN LITERATURE AND CULTURE**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Topics may include Victorian notions of work and class, industrialization and its discontents, the sentimental child, colonialism and representations of colonial people, the relevance of faith, changing gender roles, the impact of science and technology, the idea of progress, and sexuality and love. Writers may include Arnold, Braddon the Brontés, the Brownings, Collins, Conan Doyle, Dickens, Eliot, Gaskell, Hardy, Kipling, the Rossettis, Stevenson, Tennyson, Thackeray, and Wilde.

ENG 322 BRITISH LITERATURE AND CULTURE OF THE ROMANTIC PERIOD**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Literature and culture of Britain in the period covering roughly the 1770s to 1830s. Topics may include Romantic aesthetic theory, the role of the poet in society, the intersection of politics and art, early colonialism and theories of the primitive, the Gothic, nature and landscape, and the growing fascination with the nature of human subjectivity and the creative spirit. Writers may include Blake, Burke, Burns, Byron, Coleridge, DeQuincy, Edgeworth, Godwin, Keats, Prince, Radcliffe, Mary Shelley, Percy Bysshe Shelly, Scott, Wollstonecraft, William Wordsworth, and Dorothy Wordsworth.

ENG 323 17th CENTURY ENGLISH POETRY**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Challenges to God, Man, and Mistress. Donne, Milton, Jonson, Herbert, Herrick, Marvel.

ENG 324 (MCL 324, WST 324) LITERATURE BY WOMEN AUTHORS OF LATIN AMERICA 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Course will emphasize theme, style, and society in the works of fiction written by Latin American women.

ENG 325 MODERN DRAMA 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

From its beginning in Ibsen's realism to the advent of the absurdist play. Includes drama of Europe, England, and America.

ENG 326 CONTEMPORARY DRAMA 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Selected plays of America and Europe from 1950 to the present.

ENG 328 CHILDREN'S LITERATURE 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Note: Meets the state requirements for elementary school certification.

A study of literature for young readers and listeners. Covers a variety of genres and styles, and calls for close reading and analysis.

ENG 329 ADOLESCENT LITERATURE 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Note: Meets Connecticut State requirements for secondary English certification.

A study of literature for adolescent readers. Aims to acquaint the student with both popular and enduring works, and provides close critical reading of both.

ENG 331 EARLY 18th CENTURY LITERATURE AND CULTURE 3 CREDITS

This course examines British literature and culture of the period between 1700 and roughly 1740. Sometimes called the "Augustan Age" of English literature, this period is often best remembered for the flourishing of a body of meticulously ordered formal verse built on a model of Greek and Roman antiquity. But the age was neither so orderly nor so placid as historical caricatures have sometimes suggested: it also witnessed ruthless political factionalism, vicious exchanges of savagely witty satire, and the emergence of popular but "impolite" forms of literature, including novels. Readings include poetry, fiction, drama, and non-fiction prose by authors such as Pope, Swift, Montagu, Addison and Steele, Haywood and Defoe

ENG 332 MODERN BRITISH AND AMERICAN POETRY 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Major American and British poetry written during the Modernist period (1890-1945). Students study each poet's views on the theory and practice of his or her art; the literary traditions and political climate from which Modernist works arose; and the contributions of Modernist to poetry written since the end of World War II. Poets include Robinson, Hardy, Frost, Eliot, Pound, Yeats, Stevens, Hughes, Lawrence, Crane, Auden, Cummings, Sandberg, Millay, and Thomas.

ENG 333 THE MODERN NOVEL**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

The development of the modern novel, including such figures as Joyce, Woolf, Mann, Lawrence, Hemingway, Faulkner, Toomer, Lessing, Oates.

ENG 334 POST-MODERN AND CONTEMPORARY POETRY **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

American and British poetry written since World War II and the different schools of thinking that collectively make up what is referred to as Post-Modern Poetry (Beat Generation, San Francisco Renaissance, Movement Poets in Great Britain, Black Mountain, Deep Image, New York School, Confessional, Contemporary African-American Poetry, Vietnam War and Protest poetry, etc.). The second half of the semester is devoted to exploring poems written since 1980 by a wide variety of poets speaking for diverse communities (Feminist, Neoformalist, Performance, Native-American, Latino-American, African-American and Asian-American, American Plain Style, etc.).

ENG 335 SHAKESPEARE'S COMEDIES **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Major comedies and romances.

ENG 336 SHAKESPEARE'S TRAGEDIES **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Major tragedies and histories.

ENG 337 CHAUCER **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

The works of Geoffrey Chaucer with emphasis on *The Canterbury Tales*.

ENG 339 SHAKESPEARE AND FILM **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Shakespeare films have recently taken on vastly different looks and meaning from their classical Hollywood predecessors. It will be the objective of this class to analyze various filmed representations—not just the most recent—of Shakespeare's plays including but not limited to: *Macbeth*, *Richard III*, *Henry V*, and *Hamlet*.

ENG 340 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE
3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Note: Meets Connecticut State requirements for secondary school teachers of English. See also ENG 341.

Historical and linguistic background helpful for an understanding of the English language today. An examination of readings and linguistic problems which illustrate the development of the language from Anglo-Saxon times to the present.

ENG 341 MODERN AMERICAN GRAMMAR **3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Note: Meets the Connecticut State requirements for secondary school teachers of English. See also ENG 340.

A study of words, sounds, structures. Traditional and linguistic approaches to grammar and stylistics.

- ENG 342 (NES 342) LITERATURE OF NEW ENGLAND** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Writers reflecting the distinctive culture and ambience of New England, possibly including Thoreau, Hawthorne, Dickenson, Stowe, Frost, Jewett, Freeman.
- ENG 344 LITERATURE OF AFRICA** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 An immersion in the culture of Africa through exposure to the works of its major writers.
- ENG 345 AMERICAN ETHNIC MINORITY LITERATURE** **3 CREDITS**
 PREREQUISITES ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Examines the experience of ethnic minority groups in the United States as reflected in their literature.
- ENG 347 AFRICAN AMERICAN ENGLISH & VERBAL TRADITIONS** **3 CREDITS**
 PREREQUISITES: ENGS 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Study of present-day characteristics of varieties of African American English, to include phonology, syntax, and lexicon. Sociolinguistic examination of African American verbal traditions such as signifying, sounding, and boasting as speech events and verbal routines. Consideration of educational issues relating to AAE.
- ENG 353 STORYTELLING** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 The basic nature of storytelling, the motives and strategies for telling stories, conventions common to both oral and literary narratives.
- ENG 355 MODERN EUROPEAN LITERATURE** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Masterpieces of the 20th century. The works of Kafka, Mann, and others. Emphasis on ideologies and form.
- ENG 356 (WST 356) WOMEN WRITERS TO 1900** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Addresses literature, predominantly fiction, that spans several countries and several centuries. Attempts to discover the nature of the female imagination through a consideration of such writers as Behn, Burney, Austen, the Brontes, Sand, G. Eliot, Chopin, Freeman, Jewett and others.
- ENG 357 (WST 357) 20th CENTURY WOMEN WRITERS** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Addresses the works of such modern women writers as Woolf, Wharton, Cather, Lessing, Morrison, A. Walker, Atwood, Silko, Hong Kingston, and others.
- ENG 358 LITERARY CRITICISM** **3 CREDITS**
 PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE
 Major documents of critical theory from Plato to the present.

ENG 365 TOPICS IN LITERATURE/LANGUAGE/WRITING 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

These courses are pilots for new courses being developed. They may fulfill specific requirements for the English major. Check with the department chairperson.

ENG 370 COMPOSITION THEORY AND PEDAGOGY 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Participants in the course will explore recent developments in the field of composition. Issues such as writing process, writing-to-learn, voice, audience, rhetorical strategies, and error will be addressed.

ENG 371 RHETORICAL THEORY AND CRITICISM 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

This course provides an overview of rhetorical theory and practice and engages students in critical (rhetorical) analysis of literary and cultural works. Participants in the class will explore the role of rhetoric in the construction of arguments, the communication of ideas, and the creation of knowledge.

ENG 375 (MCL 375) LANGUAGE ACQUISITION IN YOUNG CHILDREN 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Study of the development of first and second language (L1 and L2) in young children (birth through puberty). Includes infants' abilities at birth, pre-linguistic development, the first words, and phonological, syntactic and semantic development. Study of the major issues in L1 and L2 acquisition theory, such as the critical period hypothesis. Comparison of various theoretical models of acquisition for L1 and L2. Consideration of social and cultural factors affecting language acquisition.

ENG 380 CREATIVE NONFICTION: WRITING THE PRIVATE AND PUBLIC "I" 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Participants explore several creative nonfiction genres: memoirs, nature writing, travelogues, cultural criticism, personal essay, and literary journalism. Readings include contemporary creative nonfiction works and related rhetorical theories. Writing consists of student-produced creative nonfiction, analytical writing on nonfiction prose and theory, and peer commentary on students' writing from course writing workshops.

ENG 381 ADVANCED FICTION WORKSHOP 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE AND ENG 301 OR PERMISSION OF INSTRUCTOR

A workshop for serious student fiction writers who have completed at least one course in fiction writing at the introductory level and who are comfortable writing full-length stories. In addition to writing their own stories, students should expect to focus on becoming better critics both of their own work and that of their peers.

ENG 382 ADVANCED POETRY WORKSHOP**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE AND END 302 OR PERMISSION OF INSTRUCTOR

A workshop for serious student poets who have completed at least one course in the writing of poetry at the introductory level and who are comfortable writing full-length poems of varying structures. In addition to writing their own poems, students should expect to focus on becoming better critics both of their own work and that of their peers.

ENG 383 LITERARY PUBLISHING**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

This course presents an overview of the literary publishing process. In workshops that simulate today's various types of magazines and book publishing houses, students will learn to read as editors and evaluate manuscripts, copy edit, proofread, and write copy for jackets, catalogs, and ads. Related areas to be covered include publishing history, negotiating with authors, agents, sub-rights, marketing, publicity, and distribution.

ENG 420 (AMS 420, HIS 420) SEMINAR IN AMERICAN CIVILIZATION**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

An advanced study assuming general familiarity with American history and literature and requiring interdisciplinary research. Does not meet the English major seminar requirement.

ENG 461/462 SENIOR SEMINAR**3 CREDITS**

The two-semester senior seminar is a capstone experience which aims to help students to manage their own intellectual lives, to take part in informed conversation and move it forward, to develop a capacity to grasp the ideas of others and to treat them with skepticism, and to refine and deepen research and writing skills. Topics will vary but may include concentration on specific authors, periods, genres, themes, techniques of literature, or on linguistic study or interdisciplinary concerns. Both seminars are required of English majors and must be taken in sequence.

ENG 461 SEMINAR I**3 CREDITS**

PREREQUISITES: ENG 203, SENIOR STATUS

In the first-semester, students will acquaint themselves with primary and secondary sources, engage in collaborative exchange appropriate to the seminar topic, develop a bibliography, and write a prospectus for the seminar paper.

ENG 462 SEMINAR II**3 CREDITS**

PREREQUISITE: ENG 461 WITH A GRADE OF C OR HIGHER

In the second semester, students will continue to engage in collaborative discourse, will report on the progress of their research, and will write and deliver their papers.

ENG 480 INDEPENDENT STUDY**1-6 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Research and writing in an appropriate topic with a member of the department. Project plan and written permission required.

ENG 485 ENGLISH HONORS THESIS**3-6 CREDITS**

PREREQUISITES: SEMINARS AND ADMISSION TO THE HONORS PROGRAM

Honor students will research, write and present a thesis in which they either expand their seminar paper or write about a special topic. Project and written permission required.

ENG 493 INTERNSHIP IN COLLEGE WRITING**3 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Interns assist English professors and students in ENG 100 and ENG 100P. See also ENG 275.

ENG 494 INTERNSHIP IN COLLEGE ENGLISH**3-6 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Interns assist instructors in various courses. By invitation only.

ENG 495 INTERNSHIP IN WRITING AND EDITING**1-6 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

ENG 499 DIRECTED RESEARCH**1-6 CREDITS**

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Project plan and written permission required.

ENVIRONMENTAL EARTH SCIENCE

Chairperson: *Roy R. Wilson*

Assistant Chairperson: *Sherman M. Clebrik*

Professors: *Catherine A. Carlson, Sherman M. Clebrik, James A. Hyatt, Fred Loxsom, Roy R. Wilson*

Associate Professors: *Peter Drzewiecki*

Major: Environmental Earth Science (B.S.)

Objectives

The Environmental Earth Science (EES) major provides a broad-based education in the earth sciences while remaining firmly grounded in geology. The curriculum stresses the materials, processes, and features of the earth; and the ways in which earth scientists address environmental problems. The student selects one track to follow. Courses in chemistry, physics, mathematics, and computer science are integrated into the major to provide the diverse background necessary for analyzing environmental problems.

The Environmental Earth Science track addresses areas such as geologic hazards and ground-water contamination. The General Earth Science track is appropriate for those interested in elementary or secondary school teaching. In addition to formal coursework, independent studies and internships offer students the opportunity to integrate field, laboratory, technical writing, and/or computer skills in the investigation of environmental problems.

The department also offers minors in environmental earth science, geographic information systems (GIS), geomorphology, hydrogeology, and sustainable energy studies. A certificate in Environmental Management & Policy is also available. The GIS minor enables students to apply their earth science education to environmental problems using an advanced computer modeling system. The Geomorphology minor strengthens a student's ability to observe, measure, and analyze earth-surface processes and landforms. The Hydrogeology minor will be especially helpful to those anticipating future involvement in water resource and pollution projects. The Sustainable Energy Studies minor evaluates alternative energy sources.

The department's primary objective is to prepare its majors for positions as environmental technicians/scientists, environmental analysts, or earth science teachers. The department also encourages its majors to pursue graduate studies.

Please consult our web site at www.easterncet.edu/depts/earthsci for updates to this catalog.

Degree Requirements (B.S.)

To graduate with a degree in earth science, students must have a minimum cumulative GPA of 2.0 in courses required for the major. No science or math courses required for the major may be taken on a credit/no credit basis.

Environmental Earth Science Track Requirements (B.S.)

I. Core EES Courses: 36 credits

| | |
|----------|----------------------|
| *EES 104 | Dynamic Earth |
| EES 130 | Ancient Environments |

- EES 224 Landform Analysis
- EES 322 Hydrology
- EES 330 Mineralogy and Rock Analysis
- EES 340 Geographic Information Systems
- EES 344 Sedimentology and Stratigraphy
- EES 350 Field Methods in Earth Science
- EES 356 Structural Geology and Environmental Applications

*Alternatives 106, 110, 125, 202 with Lab 112

II. Advanced EES Courses: 9-12 credits

Three of the following are required; at least one must be writing intensive (WI).

- EES 336 Applied Hydrogeochemistry (WI)
- EES 342 Advanced Geographic Information Systems (WI)
- EES 422 Groundwater Hydrology
- EES 424 Glacial and Quaternary Geology
- EES 428 Geologic Regions of North America
- EES 436 Introduction to Contaminant Hydrogeology (WI)
- EES 440 Process Geomorphology (WI)
- EES 444 GIS Applications in Environmental Science (WI)
- EES 460-2 Special Topics in Earth Science

III. Required Courses in Related Areas: 20 credits

- CHE 210-13 General Chemistry I and II with labs
- MAT 243 Calculus I with Technology
- PHY 204/205 Physics I and Physics II, or
- PHY 208/209 Physics I with Calculus and Physics II with Calculus

IV. Recommended Electives:

For students wanting to go beyond the above required courses, the following are options pertinent to an EES background.

- BIO 308 General Ecology
- CHE 216 Organic Chemistry I
- CHE 217 Organic Chemistry II
- CSC 110 Problem Solving with Computers
- CHE 310 Environmental Chemistry

| | |
|---------|---|
| EES 392 | Environmental Earth Science Practicum |
| EES 480 | Independent Study In Earth Science |
| EES 486 | Earth Science Research |
| EES 491 | Internship In Environmental Earth Science |
| MAT216 | Statistical Data Analysis |
| MAT244 | Calculus II with Technology |
| MAT340 | Calculus III |

V. Recommended Minors:

A minor is not required. In addition to the EES minors, the following are appropriate for EES majors: Biology, Chemistry, Computer Engineering Sciences, Computer Sciences, Mathematics, Physical Science, Physics, Political Science.

General Earth Science Track Requirements (B.S.)

I. Core EES Courses: 36 credits

Same as required for Environmental Earth Science track Part I.

II. Writing Intensive EES Course: 3-4 credits

One of the following:

| | |
|---------|---|
| EES 336 | Applied Hydrogeochemistry (WI) |
| EES 342 | Advanced Geographic Information Systems (WI) |
| EES 422 | Groundwater Hydrology (WI) |
| EES 436 | Introduction to Contaminant Hydrogeology (WI) |
| EES 440 | Process Geomorphology (WI) |

III. Required Courses in Related Areas: 19 credits

Same as required for Environmental Earth Science track Part III except MAT 216 may be substituted for MAT 243.

IV. Natural Science Courses: 6-8 credits

Two of the following are required, but all three are recommended.

| | |
|---------|-----------------------|
| AST 214 | Descriptive Astronomy |
| EES 200 | Oceanography |
| PHY 217 | Meteorology |
| or | |
| EES 362 | Climate and Weather |

V. Recommended Electives:

Same as required for Environmental Earth Science track Part IV.

Recommended Course Sequence: Environmental Earth Science Track (B.S.)

First Year

| | | |
|--------------|---|-----|
| EES 104 | Dynamic Earth with Laboratory (LAC TINS) ¹ | 4 |
| | ¹ Note: A student may take EES 106 Geology of National Parks, EES 110 Introduction to Geology, or EES 125 Geology of Natural Resources to EES 202 Geological Setting of Connecticut, satisfy this requirement, but they must also take EES 112 Earth Science Laboratory (1 credit lab course). | |
| EES 130 | Ancient Environments | 4 |
| CHE 210, 213 | General Chemistry I with lab | 4 |
| CHE 211, 214 | General Chemistry II with lab | 4 |
| ENG 100 | College Writing (LAC: TIW) | 3-4 |
| MAT 130 | Precalculus (LAC: TIM) | 3 |
| HPE 104 | Health & Wellness (LAC: TIHW) | 2 |
| LAC 130 | Liberal Arts Colloquium (LAC: TIQ) | 3-4 |
| LAC Tier I | One of TIA, TIHT, TIH, or TISS ^{2,3} | 3 |
| FYR 174 | Resources, Research, and Responsibility ³ | |
| | ² clustered with EES Gateway Course • ³ First-Year Requirement | |

Total **32-34 credits**

Second Year

| | | |
|-------------|--|---|
| EES 224 | Landform Analysis (for EES majors meets LAC: TIINS) | 4 |
| EES 330 | Mineralogy and Rock Analysis | 4 |
| EES 340 | Geographic Information Systems | 4 |
| MAT 243 | Calculus I | 3 |
| LAC Tier I | Remaining Tier I course from TIA, TIHT, TIH, or TISS | 9 |
| LAC Tier II | One of TII-IT, TIICE, TIICP, or TII-IS | 3 |
| Elective | From EES recommended | 3 |

Total **31 credits**

Third Year

| | | |
|-------------------|--|-----|
| EES 322 | Hydrology | 4 |
| EES 344 | Sedimentology and Stratigraphy | 4 |
| EES – Adv Classes | First of three required courses | 3-4 |
| PHY 204 | Physics I, or 208 Physics I with Calculus | 4 |
| PHY 205 | Physics II, | |
| | or | |
| PHY 209 | Physics II with Calculus | 4 |
| LAC Tier II | Two TII classes from TII-IT, TIICE, TIICP, or TII-IS | 6 |
| Elective | From EES recommended | 3-4 |

Total **28-30 credits**

Fourth Year

| | | |
|----------------|------------------------------|-----|
| EES – WI Class | EES Writing Intensive course | 3-4 |
|----------------|------------------------------|-----|

| | | |
|--------------|--|----------------------|
| EES 350 | Field Methods | 4 |
| EES 356 | Structural Geology and Environmental Applications | 4 |
| LAC Tier II | Remaining TII classes from TII-IT, TIICE, TIICP, or TII-IS | 6 |
| LAC Tier III | Liberal Arts Capstone | 3 |
| Electives | From EES recommended list | 10 |
| Total | | 29-32 credits |

Recommended Course Sequence: General Earth Science Track (B.S.)

First Year

| | | |
|--|--|-----|
| EES 104 | Dynamic Earth with Laboratory (LAC: TINS) ¹ | 4 |
| <p>¹ <u>Note:</u> A student may take EES 106 Geology of National Parks, EES 110 Introduction to Geology, or EES 125 Geology of Natural Resources to satisfy this requirement, but they must also take EES 112 Earth Science Laboratory (1 credit lab course).</p> | | |
| EES 130 | Ancient Environments | 4 |
| CHE 210, 213 | General Chemistry I with Lab | 4 |
| CHE 211, 214 | General Chemistry II with Lab | 4 |
| ENG 100 | College Writing (LAC: TIW) | 3-4 |
| MAT 130 | Precalculus Mathematics (LAC: TIM) | 3 |
| HPE 104 | Health & Wellness (LAC: TIHW) | 2 |
| LAC 130 | Liberal Arts Colloquium (LAC: TIQ) | 3-4 |
| LAC Tier I | One of TIA, TIHT, TIH, or TISS ²³ | 3 |
| FYR 174 | Resources, Research, and Responsibility ³ | 1 |

²clustered with EES Gateway Course

³First-Year Requirement

Total

32-34 credits

Second Year

| | | |
|-------------|--|-----|
| EES | Natural Science Classes First of two required natural science courses | 3-4 |
| EES 224 | Landform Analysis (for EES majors meets LAC: TIINS) | 4 |
| EES 330 | Rock and Mineral Analysis | 4 |
| EES 340 | Geographic Information Systems | 4 |
| MAT 243 | Calculus I | 3-4 |
| PHY 217 | Meteorology | 3 |
| or | | |
| LAC Tier I | Tier I course from TIA, TIHT, TIH, or TISS | 6 |
| LAC Tier II | One of TII-IT, TIICE, TIICP, or TII-IS | 3 |
| Elective | From EES recommended list | 3 |

Total

30-32 credits

Third Year

| | | |
|-----|--|-----|
| EES | Natural Science Classes First of two required natural science courses | 3-4 |
|-----|--|-----|

| | | |
|----------------------|--|----------------------|
| EES 322 | Hydrology | 4 |
| EES 344 | Sedimentology and Stratigraphy | 4 |
| PHY 204 or 208 | Physics I, Physics I with Calculus | 4 |
| PHY 205 or 209 | Physics II, Physics II with Calculus | 4 |
| LAC Tier I | Remaining Tier I course from TIA, TIHT, TIH, or TISS | 3 |
| LAC Tier II | One of TII-IT, TIICE, TIICP, or TII-IS | 3 |
| Elective | From EES recommended list | 3-4 |
| Total | | 28-30 credits |

Fourth Year

| | | |
|----------------|---|----------------------|
| EES – WI Class | EES Writing Intensive course | 3-4 |
| EES 350 | Field Methods | 4 |
| EES 356 | Structural Geology and Environmental Applications | 4 |
| LAC Tier II | Remaining TII classes from TII-IT, TIICE, TIICP, or TII-IS | 6 |
| LAC Tier III | Liberal Arts Capstone | 3 |
| Electives | From EES recommended list | 10 |
| Total | | 30-31 credits |

Minor: Environmental Earth Science

The minor is designed for students majoring in other disciplines who are interested in earth science or who need a knowledge of basic earth science in their careers. Any student selecting Earth Science as a minor must meet with the Environmental Earth Science Department chairperson. Requirements for the minor include

| | | |
|---------|--------------------------|-----|
| EES 104 | Dynamic Earth | 4 |
| EES 130 | Ancient Environments | 4 |
| EES 224 | Landform Analysis | 4 |
| EES *** | Electives (300 or above) | 6-8 |

Minor: Geographic Information Systems (GIS)

Roy R. Wilson, *Coordinator*

A geographic information system stores, analyzes, and displays spatially oriented data to improve decision-making. The key to the rapid growth of GIS is its ability to integrate data and to model complex physical processes. Environmental scientists are using it for applications such as environmental impact analysis, hydrological modeling, and biodiversity studies. The objective of the minor is to enable the student to apply spatial analysis principles to their academic discipline.

The minor consists of a minimum of 17 credit hours. Nine of these hours must be unique to the minor.

Requirements

All

| | | |
|---------|---|---|
| EES 340 | Geographic Information Systems | 4 |
| EES 342 | Advanced Geographic Information Systems | 4 |
| EES 444 | GIS Applications in Environmental Science | 3 |
| or | | |
| EES 480 | Independent Study (GIS application project) | 3 |

Optional Courses

At least two additional courses approved by the GIS Coordinator

Minor: Geomorphology

James A. Hyatt, *Coordinator*

Geomorphology is the study of earth surface processes and landforms. Geomorphologists apply principles of physics, chemistry, hydrology and sedimentology to understand earth surface landscapes. As well, geomorphologists use computer programs like geographic information systems to analyze, explain, and evaluate the geologic nature of earth surface environments. Geomorphologists are hired as environmental consultants and earth scientists by private consulting firms, government agencies, and educational institutions.

The objectives of the minor in geomorphology are 1) to provide an opportunity for students to study geomorphology, 2) to refine analytical and technical skills used to study earth surface environments, and 3) to prepare students for graduate studies and/or employment in geomorphology and related fields.

The minor consists of a minimum of 16 credit hours, nine of which must be unique to the minor.

All of:

| | | |
|-----------|--------------------------------|---|
| EES 424** | Glacial and Quaternary Geology | 3 |
| EES 440** | Process Geomorphology | 4 |

One of the following, or an approved substitution:

| | | |
|----------|---|-----|
| EES 336 | Applied Hydrogeochemistry | 4 |
| EES 342 | Advanced Geographic Information Systems | 4 |
| EES 480† | Independent Study in Earth Science | 3-4 |

Remaining credit hours from the following, or substituted with approval of geomorphology advisor:

| | | |
|----------|---|-----|
| CSC 110 | Introduction to Computing and Problem Solving | 3 |
| CSC 249 | Visual Basic | 3 |
| CSC 251 | Databases and the Web | 3 |
| CHE 320 | Quantitative Chemical Analysis | 4 |
| CHE 480† | Independent Study in Chemistry | 3-4 |
| EES 300+ | Additional EES classes appropriate to minor | 3-8 |
| MAT 216 | Statistical Data Analysis | 3 |

| | | |
|---------|-----------------------------|---|
| MAT 244 | Calculus II with Technology | 3 |
| MAT 315 | Mathematical Statistics I | 3 |

**EES 224 (Landform Analysis) is a prerequisite for these courses.

† Requires a faculty supervisor, topic must be appropriate for minor.

Minor: Hydrogeology

Catherine Carlson, *Coordinator*

Hydrogeology is an interdisciplinary, quantitative science encompassing aspects of geology, physics, chemistry, and mathematics. Hydrogeology is the study of the occurrence, distribution, and transport of groundwater, its natural chemical evolution, and the behavior of contaminants in groundwater. Contemporary hydrogeologic problems range from water supply to land subsidence to groundwater protection and contamination. The objectives of the minor are 1) to introduce students to the field of hydrogeology, 2) to educate students for hydrogeology-related employment, and 3) to prepare students for graduate studies in hydrogeology. Courses taken toward the minor must be approved by the Environmental Earth Science Department hydrogeology coordinator. Students must receive a grade of 2.0 or higher in each course for the minor. A minimum of 16 credits are required for the minor. Nine of these hours must be unique to the minor.

Requirements for the minor:

| | | |
|-----------------------|---|---|
| EES 336 | Applied Hydrogeochemistry | 3 |
| EES 422 | Groundwater Hydrology | 4 |
| MAT 244 | Calculus II with Technology | 3 |
| CHE 216 | Organic Chemistry | 4 |
| or | | |
| CHE 322 | Physical Chemistry | 3 |
| One of the following: | | |
| EES 436 | Introduction to Contaminant Hydrogeology | 3 |
| EES 457 | Instrumental Methods in Environmental Earth Science | 3 |
| EES 460 | Special Topics in Earth Science | 3 |
| EES 480 | Independent Study | 3 |
| EES 491 | Internship | 3 |

Minor: Sustainable Energy Studies

Fred Loxsom, *Coordinator*

The production and consumption of energy, especially energy based on fossil fuels, is a major source of environmental and social problems in the U.S. and the world, including global warming, air pollution, ecosystem destruction, and economic instability. Continuing growth in conventional energy consumption is not sustainable into the indefinite future and transition to an economy based on renewable energy technologies such as hydroelectric, solar, and wind energy is inevitable. Sustainable Energy Studies is the study of this transition through the perspectives of the natural sciences and the social sciences. Students who minor in Sustainable Energy Studies will be prepared to work as energy policy specialists in government, industry, and education.

The objectives of the minor in Sustainable Energy Studies are 1) to introduce students to the emerging field of sustainable energy studies, 2) to prepare students for post-graduate employment involving energy policy, 3) to insure that science students understand the social and economic implications of energy technology, 4) to insure that social science students comprehend the technological and scientific basis of energy policy, and 5) to prepare educators to teach about energy science and energy policy.

The minor consists of 15 hours.

Required Courses:

| | | |
|--|--|---|
| EES 205 | Sustainable Energy and the Environment** | 3 |
| EES 305 | Sustainable Energy Resources | 3 |
| EES 306 | Sustainable Energy Applications | 3 |
| Two courses or approved substitutions from the following list: | | |
| BIO 308 | General Ecology | 3 |
| ECO 201 | Principles of Microeconomics | 3 |
| EES 204 | Global Climate Change | 3 |
| EES 307 | Sustainable Energy and Sustainable Development | 3 |
| EES 405 | Sustainable Energy Analysis | 3 |
| EES 480 | Independent Study in Earth Science† | 3 |
| EES 491 | Internship in Environmental Earth Science† | 3 |
| PSC 351 | Environmental Politics and Policy | 3 |
| PSC 352 | Global Environmental Politics | 3 |
| PSC 353 | Natural Resource Politics | 3 |

** EES 304 can be substituted for EES 205. Both can not can be taken for credit.

† Topic must be approved and must be consistent with the minor.

Certificate: Environmental Management and Policy (EMP)

Catherine A. Carlson, *Coordinator*

The Environmental Management and Policy Certificate is a cluster of related courses focusing on environmental issues for individuals who want to expand their knowledge of the environment, environmental management, and environmental policy. For returning students interested in pursuing a college degree, the certificate program provides a stepping stone to the Bachelor of General Studies, with major concentration in Environmental Management and Policy.

Students will investigate:

- The major environmental issues confronting environmental managers (who work for corporations, businesses, government, industries, and non-profit organizations)
- The basic scientific concepts of environmental management
- State and federal laws that govern activity in the environmental field
- How to incorporate environmental protection considerations into business

Certificate Requirements (15 credits)

Students must first apply for the certificate program before completing the certificate requirements. Students will then receive the certificate after satisfactory completion of the five courses list below:

| | |
|---------|-----------------------------------|
| BIO 308 | General Ecology |
| EES 220 | Environmental Geology |
| EES 315 | Environmental Science and Society |
| EES 320 | Environmental Management |
| PSC 351 | Environmental Politics and Policy |

Courses of Instruction: Environmental Earth Science

EES 104 DYNAMIC EARTH with Laboratory

4 CREDITS

Note: Not open to students who have completed EES 110.

Note: This course includes a mandatory laboratory that is equivalent to the standalone laboratory EES 112.

Introduction to geology including common minerals and rocks forming Earth and serving as resources; Earth's interior; and processes affecting outer Earth and human beings, including volcanic and seismic activity, glaciation, and rivers. Three hours lecture, two hours laboratory.

EES 106 GEOLOGY OF NATIONAL PARKS

3 CREDITS

The nation's National Parks provide a natural laboratory for understanding Earth materials and processes. This course will cover the plate tectonic and Earth surface processes that shape the dramatic and often unique scenery preserved within the United States National Park system. Three hour lecture. Students may take EES 112 Earth Science Laboratory in conjunction with this class.

EES 110 INTRODUCTION TO GEOLOGY

3 CREDITS

Note: Not open to students who have completed EES 104; EES majors should take EES 104.

Common minerals and rocks forming Earth and serving as resources; Earth's interior; and processes affecting outer Earth and human beings, including volcanic and seismic activity, glaciation, and rivers. Three hour lecture.

EES 112 EARTH SCIENCE LABORATORY

1 CREDIT

Explore earth-forming minerals and rocks and earth-surface processes with hands-on laboratory exercises. This course can be taken in conjunction with EES 106, EES 110, EES 125, EES 202, or EES 220. Taking this course with one of the above-listed courses satisfies the LAC laboratory science requirement.

EES 125 GEOLOGY OF NATURAL RESOURCES

3 CREDITS

Geology is the science that pursues an understanding of the Earth, including the materials that make it up and the processes by which they form. This course uses basic physical geological principles to understand the origin, distribution, and use of the Earth's natural resources both now and into the future. These resources include metal and mineral deposits, energy, soil, rocks, and water. This course can be taken in conjunction with EES 112 (Earth Science laboratory) to satisfy the requirements of a science with a lab.

EES 130 ANCIENT ENVIRONMENTS WITH LABORATORY 4 CREDITS

PREREQUISITE: EES 104, 106, 110, or 125

The changing geological conditions and environments of earth over time. Aspects and techniques used to interpret earth history. Three hour lecture, three hour laboratory.

EES 200 OCEANOGRAPHY 3 CREDITS

Note: Credit not applicable to Biology major requirements.

Introduction to physical, chemical, biological, and geological aspects of oceans.

EES 202 GEOLOGICAL SETTING OF CONNECTICUT 3 CREDITS

Note: Not recommended for EES majors.

An exploration of the landscape and geological features of Connecticut and environs. Aspects such as the development of the underlying rock, the influence of glaciation, and related resources will be covered.

EES 204 GLOBAL CLIMATE CHANGE 3 CREDITS

A study of the scientific data, physical theory, and computer models that scientists are using to predict rapid global warming during the current century. These predictions will be compared to previous climate history of the Earth. The evidence that human activities, especially the emission of carbon dioxide through the burning of fossil fuels, is the dominant cause of the current global climate change and that global warming will cause irreversible damage to natural ecosystems and will cause substantial economic and health damage to human populations will be examined. Proposals for decreasing the amount of global climate change and adapting to climate change will be evaluated.

EES 205 SUSTAINABLE ENERGY AND THE ENVIRONMENT 3 CREDITS

This course will evaluate the environmental impacts of power generation based on fossil fuels and nuclear fission, and will describe alternatives to these technologies, including conservation, mass transit, electric and hybrid electric vehicles, passive solar energy, solar thermal systems, photovoltaic power systems, hydroelectric power, wind energy, tidal power, ocean thermal energy, biomass, fuel cells, hydrogen fuel systems, and nuclear fusion. The course will evaluate the environmental, economic, and social issues related to the transition to sustainable energy systems.

EES 206 IMPACT OF AN ICE AGE 3 CREDITS

The nature of glaciers and the ways that present or past glaciers affect the landscape and human activity. Concepts from basic geology will be covered as necessary.

EES 220 ENVIRONMENTAL GEOLOGY 3 CREDITS

Environmental geology is the application of geologic information to the entire spectrum of interactions between people and the physical environment. In this course we will develop an understanding of geology's role in major environmental problems facing people and society.

EES 222 WATER AND SOCIETY 3 CREDITS

An introduction to water resources from a multidisciplinary perspective—historical, scientific, economic, social, political, and environmental. Foundational concepts and principles of water science, water management, and water policy will be covered. Inquiry and analysis skills will be used to investigate water resource issues of the 21st century.

EES 224 LANDFORM ANALYSIS WITH LABORATORY

4 CREDITS

PREREQUISITE: EES 104

Characteristics of continental landforms on Earth and processes that fashion them. Laboratory emphasizes recognition and interpretation of landforms on maps and aerial photos. Field trips may occur during some lab times. Three hours lecture, two hours laboratory.

EES 230 SCIENTIFIC DIMENSIONS OF NATIONAL DISASTERS

3 CREDITS

Natural disasters occur where and when destructive atmospheric, geologic and/or human-induced processes negatively impact people. Most such disasters are associated with large infrequent events such as hurricanes, ice storms, earthquakes, and floods (etc.). The risk of damage caused by these phenomena varies greatly depending upon the specific destructive process and the infrastructure and populations impacted. As such, natural disasters are complex interactions between natural processes and human response systems. This course focuses on analyzing risk associated with hazards and exploring the scientific basis for several types of natural disasters.

EES 300 BASICS OF GEOGRAPHICAL INFORMATION SYSTEMS

3 CREDITS

GIS is a computer system designed to analyze spatial problems. This is a disciplinary introductory course in GIS. We will discuss how GIS helps researchers analyze problems in areas such as environmental management, business, history, and archeology. No prior GIS experience is required. This course meets GER Category VC Computer Competency and LAC Tier II Applied Information Technology. EES majors must take EES 340 instead of this course.

EES 305 SUSTAINABLE ENERGY RESOURCES

3 CREDITS

PREREQUISITES: EES 205 OR EES 204; OR CONSENT OF INSTRUCTOR

A study of the extent, geographical distribution, and accessibility of hydrocarbon, nuclear, and renewable energy resources with an emphasis on sustainable energy technologies, including passive solar energy, solar thermal energy, photovoltaic power, hydroelectric power, wind energy, biomass energy, fuel cells, and hydrogen fuel systems. The course will also address the environmental benefits of renewable energy and the economic and social barriers to its widespread adoption.

EES 306 SUSTAINABLE ENERGY APPLICATIONS

3 CREDITS

PREREQUISITES: EES 205 OR EES 204; OR CONSENT OF INSTRUCTOR

A study of the sustainable use of energy resources with emphasis on sustainable buildings, mass transit, cogeneration, and energy conservation in residential, educational, governmental, commercial, and industrial buildings and systems. The course will also address the potential benefits of energy conservation and the economic and social barriers to its widespread adoption.

EES 307 SUSTAINABLE ENERGY AND SUSTAINABLE DEVELOPMENT

3 CREDITS

PREREQUISITES: EES 205 OR EES 204; OR CONSENT OF INSTRUCTOR

An eight-12-day field experience in a developing country. An intensive study, including interviews and site visits, of the role that sustainable energy systems play in sustainable development in a development country.

EES 310 PHYSICAL GEOGRAPHY**3 CREDITS**

Note: Not suggested for EES majors; EES majors should take EES 104.

Study of physical characteristics of the Earth affecting people and their environment, such as development of surface features, soils, climate, and weather.

EES 312 PHYSICAL GEOGRAPHY WITH LABORATORY**4 CREDITS**

Note: Not suggested for EES majors; EES majors should take EES 104.

Study of physical characteristics of the Earth affecting people and their environment, such as development of surface features, soils, climate, and weather. Laboratory includes applied exercises on these topics.

EES 315 ENVIRONMENTAL SCIENCE AND SOCIETY**3 CREDITS**

This course is an introduction to how scientists approach some of the serious environmental problems facing our society. We will seek to understand how scientists acquire environmental data and how the data are used to mitigate environmental problems such as water pollution, climate change, acid rain, and food resources. We will also discuss the limits of science in trying to solve these problems.

EES 320 ENVIRONMENTAL MANAGEMENT**3 CREDITS**

Note: Consent of instructor for non-EES majors

As population continues to grow, humans are consuming more natural resources (e.g., land, water, air, energy) and producing more waste than ever before. Environmental approaches will be covered that address management of natural resources, natural hazards, and natural ecosystems, with special attention given to land-use planning and management.

EES 321 INTRODUCTION TO WATERSHED MANAGEMENT**3 CREDITS**

This course explores the principles and practice of watershed management in the United States. Self-paced modules cover topics such as watershed ecology, natural and human-induced changes in watersheds, watershed planning and monitoring, management practices to reduce environmental impacts, and social issues and relevant laws/regulations. Students who successfully complete the course are eligible for the U.S. EPS Watershed Academy's Watershed Management Training Certificate.

EES 322 HYDROLOGY WITH LABORATORY**4 CREDITS**

PREREQUISITES: EES 130; ENG 100; CSC 100 OR 110; MAT 130

MAT 216 RECOMMENDED; OR CONSENT OF INSTRUCTOR

An introduction to the field of hydrology. Topics covered include the hydrologic cycle, the hydrologic budget, precipitation, streamflow, infiltration, soil moisture, and groundwater. Field and laboratory techniques in hydrology will be covered. Three hours lecture, three hours laboratory.

EES 323 DRINKING WATER MANAGEMENT**3 CREDITS**

An introduction to drinking water regulations and practices in the United States. Topics explored include the Clean Water Act, Safe Drinking Water Act, public health issues, water and wastewater treatment plants, water supply systems, water sampling methods and water standards, source water protection, sanitary surveys and case studies.

EES 330 MINERALOGY AND ROCK ANALYSIS WITH LABORATORY

4 CREDITS

PREREQUISITES: EES 104; CHE 210; CHE 211 RECOMMENDED

An introduction to major rock-forming and ore minerals. The genesis and characteristics of igneous and metamorphic rocks. Three hours lecture; three hours laboratory.

EES 336 APPLIED HYDROGEOCHEMISTRY WITH LABORATORY

3 CREDITS

PREREQUISITES: EES 322; CHE 211; EES 330 RECOMMENDED; OR CONSENT OF INSTRUCTOR

An introduction to aqueous geochemistry and isotope hydrology. Emphasis is placed on using the chemical and isotopic properties of water, and their spatial distribution, as a means of investigating water transport on and below the earth's surface. Two hours lecture, three hours lab.

EES 340 GEOGRAPHIC INFORMATION SYSTEMS WITH LABORATORY

4 CREDITS

PREREQUISITE: EES 224, OR CONSENT OF INSTRUCTOR

GIS is a spatial analysis system designed to improve environmental decision-making. Course objectives are to examine how digital earth resources data are collected, stored, analyzed, and displayed. The emphasis will be on natural resource problems, although we will discuss additional applications. Three hours lecture, three hours laboratory.

EES 342 ADVANCED GEOGRAPHIC INFORMATION SYSTEMS WITH LABORATORY

4 CREDITS

PREREQUISITE: EES 340, OR CONSENT OF INSTRUCTOR

This course explores advanced topics in the spatial analysis of natural resources. We will investigate strategies for the integration of digital earth resources data in environmental modeling and gain experience in the use of advanced spatial data analysis software. Three hours lecture, three hours laboratory.

EES 344 SEDIMENTOLOGY AND STRATIGRAPHY WITH LABORATORY

4 CREDITS

PREREQUISITES: EES 130, 224; EES 330 RECOMMENDED

Study of the formation, distribution, and classification of sediments and sedimentary rocks. Three hours lecture, three hours laboratory.

EES 350 FIELD METHODS IN EARTH SCIENCE

4 CREDITS

PREREQUISITES: EES 130, 224, EES 330 RECOMMENDED

Analysis and description of exposed bedrock and surface topography. Mapping of geologic aspects for academic or practical purposes. Use of Brunton compass and other equipment. Field trips.

EES 356 STRUCTURAL GEOLOGY AND ENVIRONMENTAL APPLICATIONS WITH LABORATORY

4 CREDITS

PREREQUISITES: EES 130, 330, MAT 130; EES 350 RECOMMENDED

An introduction to the genesis, characteristics, and methods of studying geologic structures such as folds, faults, and fractures. Also, examples of the relevance of that knowledge to various land-use, hazard, or environmental exercises. Three hours lecture, three hours laboratory.

EES 361 GEMSTONES**3 CREDITS**

Focus on the composition, origin, occurrence, properties, and identification of important gemstones.

EES 362 CLIMATE AND WEATHER**3 CREDITS**

Study of the Earth's climate zones and weather phenomena, including how they develop and are investigated.

EES 392 ENVIRONMENTAL EARTH SCIENCE PRACTICUM 1-3 CREDITS

Special situation enabling a student to apply the knowledge and skills acquired through the Environmental Earth Science major; however the situation does not qualify as an internship, directed research, or an independent study. Hours to be arranged.

EES 405 SUSTAINABLE ENERGY ANALYSIS**3 CREDITS**

PREREQUISITES: EES 305, EES 306, EES 340, PHY 204/205 or PHY 208/209

This course provides students with experience in developing and using computer simulations of sustainable energy systems such as solar collectors, solar electric power systems, and wind turbines. Students develop detailed mathematical descriptions of sustainable energy systems and use standard simulation software packages to develop computer simulations of these systems. The course includes experience using computer simulations of sustainable energy systems to predict system performance in different geographical regions.

EES 422 GROUNDWATER HYDROLOGY WITH LABORATORY 4 CREDITS

PREREQUISITES: EES 322; MAT 240 OR 243; PHY 204 OR 208; EES 344

RECOMMENDED; OR CONSENT OF INSTRUCTOR

Study of the occurrence and movement of groundwater. Field and laboratory techniques in subsurface hydrology will be covered. Three hours lecture, three hours laboratory.

EES 423 HEALTH AND SAFETY AT HAZARDOUS WASTE SITES**3 CREDITS**

Environmental scientists who perform investigative or remedial activities at hazardous waste sites or may otherwise be exposed to hazardous substances and health hazards are required by OSHA to receive a minimum of 40 hours of instruction in hazardous materials safety. This course meets the 40-hour off-site training requirement. Topics covered include hazard materials recognition and properties, toxicology and chemical exposure, air monitoring, protective clothing and equipment, decontamination, and health and safety programs/plans.

EES 424 GLACIAL AND QUATERNARY GEOLOGY**3 CREDITS**

PREREQUISITES: EES 130, 224

Characteristics of glaciers and related erosional and depositional features. Stratigraphic and dating aspects pertinent to Quaternary deposits. Three hours lecture.

EES 428 GEOLOGIC REGIONS OF NORTH AMERICA**3 CREDITS**

PREREQUISITES: EES 130, 224

Distinctive aspects of geologic provinces including surface features, structures, history, resources, and environmental aspects. Three hours lecture.

EES 430 OPTICAL MINERALOGY WITH LABORATORY 4 CREDITS

PREREQUISITE: EES 330

Optical crystallography, crystal chemistry, and structural properties of minerals. Three hours lecture, three hours laboratory.

EES 436 INTRODUCTION TO CONTAMINANT HYDROGEOLOGY 3 CREDITS

PREREQUISITE: EES 422 OR EES 336; OR CONSENT OF INSTRUCTOR

A practical course on conducting contaminant hydrogeologic investigations. Topics covered include drilling techniques, sampling protocols, mass transport of contaminants, and aquifer characterization. Three hours lecture.

EES 440 PROCESS GEOMORPHOLOGY 4 CREDITS

PREREQUISITES: EES 224; EES 350 RECOMMENDED

An in-depth examination of selected themes in process geomorphology with New England examples. Topics include systems theory, weathering processes, tectonic geomorphology, karst, fluvial processes, coastal processes, and climatic geomorphology with emphasis on cold non-glacial processes. Laboratories involve field activities, computing techniques, and computation. Three hours lecture, three hours laboratory.

EES 444 GIS APPLICATIONS IN ENVIRONMENTAL SCIENCE 3 CREDITS

PREREQUISITE: EES 342, OR CONSENT OF INSTRUCTOR

This course will give students applied experience in using GIS in natural resource management. Each student will develop a GIS project and present it in a written, poster, or oral format.

EES 457 INSTRUMENTAL METHODS IN ENVIRONMENTAL EARTH SCIENCE 1-3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Laboratory experiences will vary. Methods may include work with the petrographic microscope, differential thermal analysis unit, Vreeland spectroscope, and thin-section making equipment.

EES 460-462 SPECIAL TOPICS IN EARTH SCIENCE 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: Special-interest courses for EES majors.

Occasional offerings of EES topics not covered in the standard EES courses.

EES 480 INDEPENDENT STUDY IN EARTH SCIENCE 1-6 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON

Student conducts independent research under the guidance of a faculty supervisor.

EES 486-488 EARTH SCIENCE RESEARCH 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Student involvement in faculty research that does not qualify as an independent study.

EES 490 INTERNSHIP IN EARTH SCIENCE LABORATORY 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON

Student assists EES faculty member in laboratory teaching.

EES 491 INTERNSHIP IN ENVIRONMENTAL EARTH SCIENCE

1-15 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON

Practical experience in earth science working with a government agency or private company under the supervision of an EES faculty member and an agency representative.

GEOGRAPHY

Chairperson: *William L. Newell*

Assistant Professor: *Mary E. Curran*

Minor: Geography

The Geography minor familiarizes students with both the global map and the spatial distributions of people and things, such as capital, technology, and disease across the globe. Because Geography combines spatial analysis with concepts from a number of other disciplines, a geography minor is an excellent complement to a range of majors, including history, economics, sociology, political science, communications and business administration. Geography is an excellent background for students who wish to develop careers in teaching, development, policy, or other service professions.

The minor requires students to take 15 credits of geography courses. At least six of the 15 credits must be at the 300-level or above, and nine credits must be completed at Eastern. At least nine credits must be unique to the Geography minor and not shared with other majors or minors.

Courses of Instruction: Geography

GEO 100 INTRODUCTION TO GEOGRAPHY

3 CREDITS

An examination of various habitats of the physical world - mountains, deserts, plains - with particular emphasis on the interrelationship between place and self.

GEO 110 URBAN GEOGRAPHY

3 CREDITS

The history, nature and functions of urban settlements will be considered, with attention to problems of urban area which are spatial. Introduction also to practical problems using census data, interpretation of aerial photography and map construction.

GEO 210 GEOGRAPHY OF CANADA

3 CREDITS

Studies and evaluates the major economic and geographical regions of the United States and Canada in terms of present conditions, potential development, and their relationship to the world economy.

GEO 228 HISTORICAL GEOGRAPHY OF THE UNITED STATES 3 CREDITS

The influence of geographical factors upon the historical development of our nation and their present impact upon our society.

GEO 331 GEOGRAPHY OF FOOD

3 CREDITS

Examines the influence of local, regional, and global factors on the production, consumption and culture of food.

GEO 332 GEOGRAPHIES OF TOURISM

3 CREDITS

This course introduces students to complex geographies of tourism which have become one of the most important sources of revenue for countries across the globe. Students will study the geography of tourist sites, the movement of tourists and changes that tourism as a development strategy creates both to the physical landscape and to the cultures of tourist sites.

GEO 333 GLOBAL GEOPOLITICAL DIVISIONS**3 CREDITS**

An historical analysis of the ways in which policy makers have divided up the globe into categories such as East/West, colonizer/colonized, and developed/underdeveloped and the effects of these policies upon people in place.

GEO 337 ECONOMIC GEOGRAPHY**3 CREDITS**

Analyzes the effects of global production, distribution, and financial networks on local and regional economies.

GEO 365 SPECIAL TOPICS IN GEOGRAPHY**3 CREDITS**

Special areas of interest in geography. Topics vary from semester to semester. Course may be repeated with a change of topic.

GEO 480 INDEPENDENT STUDY**1-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

HISTORY

Chairperson: *Ann R. Higginbotham*

Professors: *Stacey K. Close, Ann R. Higginbotham, Anna D. Kirchmann, Joan E. Meznar, Emil Pocock, Barbara M. Tucker*

Associate Professors: *David Frye*

Assistant Professors: *Jamel Ostwald, Caitlin C. Stewart*

Majors: History or History and Social Sciences (B.A.)

Objectives

The liberal arts History major is planned to achieve several goals:

1. To provide an understanding of the historical background of modern society, politics, economics, and culture;
2. To prepare for higher-level professional training and teaching;
3. To cultivate active skills in research and writing.

This major stresses the development of those research and writing techniques which, although developed by historians, have found application in innumerable other occupations and disciplines – education, law and government, journalism, social work, business and industrial research, museum and archival work.

The History and Social Sciences major is also designed to provide students with a broad historical background for understanding modern society, politics, economics and culture, but here combined with a greater in-depth knowledge of one or more social science or related disciplines. This program offers flexibility to students by opening up a wide variety of possible elective options for shaping a unique program to meet their present interests and their future professional or vocational needs. This major is particularly appropriate for students seeking teacher certification at the secondary level. The details of these programs must be worked out in advance in consultation with an advisor in the History Department.

Admission to the Program

All students who wish to request admission to the History or History and Social Science major must contact the chairperson of the department to declare their major and to inaugurate steps toward developing a plan of study.

Transfer students who wish to graduate from Eastern with a History or History and Social Science major must take a minimum of 15 credits of history courses at the University. They must also meet all of the specific requirements for either major whether with transferred or Eastern courses. Transfer students will be evaluated individually to determine their program.

All majors in both programs must receive a 2.0 or better in each course required for the major, including courses in the social sciences or related areas other than history. Transfer students and new majors with 60 credits or more may substitute upper-division courses for lower-division requirements with the consent of their advisor and the chairperson. All students taking 300- or 400- level courses should first complete HIS 200.

Degree Requirements

Major: History (B.A.)

I. Required Courses: 15 credits

| | |
|---------|--|
| HIS 120 | The Early American Experience, 1607-1877 |
| HIS 121 | The Recent American Experience, 1877-Present |
| HIS 200 | Historical Research and Writing |
| HIS 230 | Western Civilization Before 1500 |
| HIS 231 | Western Civilization Since 1500 |

II. History Electives: 18 credits

A minimum of six history electives at the 200-, 300-, and 400-level (excluding HIS 310). A maximum of two of these electives may be taken at the 200-level. Majors are encouraged to take a broad range of electives in European, American, and non-Western history.

III. History Electives Seminar: 3 credits

One seminar (HIS 400, 406, 407, or 420). This satisfies the university requirement for a writing-intensive course.

History majors are exempt from six credits of General Education Requirements in Section IVA.

Recommended Course Sequence: History Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|------------|------------------------------|-------------------|
| ENG 100 | College Writing | 3 |
| MAT 135 | Math for Liberal Arts Majors | 3 |
| LAC Tier I | | 12-15 |
| HIS 120 | Early American Experience | 3 |
| HIS 121 | Recent American Experience | 3 |
| | Electives | 0-3 |
| | Total | 30 credits |

Second Year

| | | |
|-----------------|----------------------------------|-------------------|
| LAC Tier I & II | | 9-12 |
| HIS 200 | Historical Research & Writing | 4 |
| HIS 230 | Western Civilization Before 1500 | 3 |
| HIS 231 | Western Civilization Since 1500 | 3 |
| HIS 2**/3** | History Elective | 3 |
| | Minor | 0-3 |
| | Electives | 0-6 |
| | Total | 30 credits |

Third Year

| | | | |
|-----|---------|-------------------|-------------------|
| LAC | Tier II | | 4-7 |
| HIS | 2**/3** | History Electives | 6-12 |
| | | Minor | 0-9 |
| | | Electives | 5-14 |
| | | Total | 30 credits |

Fourth Year

| | | | |
|-----|----------|------------------|-------------------|
| LAC | Tier III | | |
| HIS | 3**/4** | History Elective | 3 |
| HIS | 400-420 | Seminar | 3 |
| | | Minor | 0-9 |
| | | Electives | 15-18 |
| | | Total | 30 credits |

Major: History and Social Science (B.A.)

I. Required Courses: Nine credits

| | | |
|-----|-----|----------------------------------|
| HIS | 120 | Early American Experience |
| | | or |
| HIS | 121 | Recent American Experience |
| HIS | 230 | Western Civilization Before 1500 |
| | | or |
| HIS | 231 | Western Civilization Since 1500 |
| HIS | 200 | Historical Research and Writing |

II. History Electives: 15 credits

A minimum of five history electives at the 200-, 300-, and 400-level (excluding HIS 310). A maximum of two of these electives may be taken at the 200-level. Majors are encouraged to take a broad range of electives in European, American, and non-Western history. Students seeking teaching certification at the secondary level should take at least one non-Western history to meet state certification requirements.

III. Seminar or Colloquium: Three credits

One seminar (HIS 400, 406, 407, or 420) or colloquium (HIS 461, 462, or 463). This fulfills the University requirement for a writing-intensive course.

IV. Social Science Electives: 15 credits

Majors select five courses from the following disciplines. Students seeking certification as secondary school teachers should select courses from at least four different disciplines and should consult their academic advisors about appropriate courses to meet current state certification requirements.

- Anthropology
- Economics
- Geography

Political Science
 Psychology
 Sociology
 New England Studies (NES 200 or 400)
 Women's Studies (WST 240, 260 or 315)

History and Social Science Majors are exempt from three credits of General Education Requirements in Sections IVA.

Recommended Course Sequence: History & Social Science Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|-------------|----------------------------------|-------------------|
| ENG 100 | College Writing | 3 |
| MAT 135 | Math for Liberal Arts Majors | 3 |
| LAC Tier I | | 9-12 |
| HIS 120/121 | Early/Recent American Experience | 0-3 |
| | Social Science Electives | 6-9 |
| | Total | 30 credits |

Second Year

| | | |
|-----------------|-------------------------------|-------------------|
| LAC Tier I & II | | 9-12 |
| HIS 231/230 | Western Civilization | 3 |
| HIS 200 | Historical Research & Writing | 4 |
| HIS 2**/3** | History Electives | 3-6 |
| | Social Science Electives | 3-6 |
| | Minor | 0-3 |
| | Electives | 0-3 |
| | Total | 30 credits |

Third Year

| | | |
|-------------|--------------------------|-------------------|
| LAC Tier II | | 4-7 |
| HIS 3** | History Electives | 3-6 |
| | Social Science Electives | 3-6 |
| | Minor | 0-6 |
| | Elective | 5-17 |
| | Total | 30 credits |

Fourth Year

| | | |
|--------------|-----------------------|-------------------|
| LAC Tier III | | 6-9 |
| HIS 3** | History Electives | 3-6 |
| HIS 4** | Seminar or Colloquium | 3 |
| | Minor | 0-6 |
| | Electives | 12 |
| | Total | 30 credits |

Minor: History

To earn a History minor, a student must take 15 credits of history courses. At least six of the 15 credits must be at the 300-level or above, (excluding HIS 310) and nine credits must be completed at Eastern.

Courses of Instruction: History

HIS 115 INTRODUCTION TO WORLD HISTORY 3 CREDITS

A survey emphasizing non-Western world history: the rise of Middle Eastern, African, Indian, East and Southeast Asian, and Pre-Columbian civilization to the fifteenth century.

HIS 116 MODERN WORLD HISTORY 3 CREDITS

The growing interactions between European and non-European civilizations from the 15th century to the emergence of global civilization in the 20th century.

HIS 120 THE EARLY AMERICAN EXPERIENCE, 1607-1877 3 CREDITS

PREREQUISITE: FRESHMAN OR SOPHOMORE STANDING

This introductory survey of American history covers the colonial period, the Revolution, early republic, expansion, slavery, Civil War, and Reconstruction. Emphasized are the social, economic and political forces that shaped the nation's early history.

HIS 121 THE RECENT AMERICAN EXPERIENCE, 1877-PRESENT 3 CREDITS

PREREQUISITE: FRESHMAN OR SOPHOMORE STANDING

The second part of the survey of American history considers the Gilded Age, World War I, the Roaring Twenties and the Great Depression, World War II, the Cold War, and more recent decades. Emphasized are the social, economic, and political forces that have shaped our immediate past.

HIS 200 HISTORICAL RESEARCH AND WRITING 4 CREDITS

This introduction to the study of history emphasizes the nature of historical questions, investigative techniques, research skills, and writing. It is required of all history majors and should be taken as soon as possible. It is highly recommended that it be taken prior to taking any 300- or 400-level history courses. For history majors only.

HIS 203 THE RENAISSANCE AND REFORMATION 3 CREDITS

This course will provide a broad overview of Europe from the mid 14th through 16th centuries (c. 1350-1600). It will examine the polities, societies and economics of Europe as they responded to significant intellectual, cultural, and material changes of the Renaissance and Reformation periods.

HIS 205 EUROPEAN HISTORY 1815-1914 3 CREDITS

Concentrates on the age of nationalism, internationalism, and imperialism. Studies the impact of the continuing and intensifying economic, social, intellectual and cultural transformation on the national, intra-European and on worldwide political and diplomatic relations.

HIS 206 20th-CENTURY EUROPE 3 CREDITS

The origins and consequences of the two World Wars, the inter-war years, European recovery and the Cold War.

HIS 221 NATIVE AMERICAN HISTORY**3 CREDITS**

A survey of the history of Native Americans dealing with the historical development of native peoples and the impact of contact with European empires and settlers.

HIS 230 WESTERN CIVILIZATION BEFORE 1500**3 CREDITS**

A survey of the Greco-Roman world, early Christianity, medieval society and civilization, the rise of modern economic forms, science and technology, and the development of the modern state.

HIS 231 WESTERN CIVILIZATION SINCE 1500**3 CREDITS**

The expansion of European influence, the Age of Reason and the Enlightenment, Absolutism and Revolution, Nationalism, Internationalism, Imperialism, the rise of modern ideologies and the struggle between democracy and totalitarianism.

HIS 241 THE AMERICAN FRONTIER**3 CREDITS**

The great expanse of America made the United States a frontier nation at least through the 1890s. This course explores the frontier with the celebrated men and women who shaped the West, including Capt. John Smith, Squanto, Daniel Boone, Lewis and Clark, Pontiac, Zebulon Pike, Buffalo Bill, and many others. The natural environment, exploration, Indian relations, pioneer settlements, and the fur trading, mining, and cattle frontiers are among topics covered. There are no prerequisites.

HIS 243 CHURCHES AND THE MODERN CIVIL RIGHTS MOVEMENT**3 CREDITS**

This course analyzes the importance of churches in the Civil Rights Movement in the United States with a particular focus on the role of African American churches in this long historic movement. This course will also focus on some aspects of this freedom struggle led by the African American church in New England.

HIS 244 (WST 244) IMMIGRANT WOMEN**3 CREDITS**

This course will focus on the complex history of European, Asian, Spanish-speaking, and Caribbean women who immigrated to the United States from the 19th century to the present. Like all immigrants, women faced great difficulties. Yet their encounter with America was not the same as immigrant men. We will study the way their identity as women shaped the roles, opportunities, and experiences available to them in the family, the workplace, the community and the nation.

HIS 245 AFRICAN AMERICAN RELIGION**3 CREDITS**

This course discusses the growth of the African American Church and its impact on African American life. Focus will be given to the evolution of Christianity, Islam, indigenous African religions, and Judaism in the African American community. The major African American denominations will also be granted significant attention.

HIS 250 (NES 250) HISTORY OF NEW ENGLAND**3 CREDITS**

This course is designed to provide an overview of New England's cultural, economic, and political development from the colonial period to the present. The values, institutions, and ideas first found in New England often became the model for the rest of the country. Issues associated with the New England town, the growth of religion, industrialization, immigration, and urbanization are also discussed.

HIS 251 (AMS 251, ENG 251) INTRODUCTION TO AMERICAN SOCIETY **3 CREDITS**

Note: Required for the American Studies program.

Major movements and concepts in American history, literature and the arts.

HIS 253 U. S. ENVIRONMENTAL HISTORY **3 CREDITS**

U.S. Environmental History introduces students to the environmental history of the United States from the pre-Columbian period to the present. It examines how Americans have transformed and adapted to their environment; how Americans have perceived nature; nature's role in shaping American culture; the impact of climate change, disease and natural disasters on American history; the rise of conservationist and environmentalist movements in the United State over the past 150 years; and the role of government in both protecting and exploiting the environment.

HIS 255 INTRODUCTION TO LATIN AMERICA **3 CREDITS**

This course focuses on the assimilation and transformation of Amerindian, African, and European cultures in Latin America from the 16th century to the present. It examines the political, cultural, and economic forces that have conditioned the development of institutions and ideas in Spanish and Portuguese America.

HIS 265 INTRODUCTION TO AFRICA **3 CREDITS**

A survey of African History from the ancient to the colonial period.

HIS 267 MINI-HISTORY TOPICS **1 CREDIT**

Mini-History is normally offered as a five-week session course, during intersession, or during summer sessions. Topics vary. The course may be repeated as topics change.

HIS 271 (CAS 271) HISTORY OF CANADA **3 CREDITS**

Why are Canadians different from Americans? Canada and the United States share a continent, an English heritage, and a heterogeneous population, yet history has shaped the two nations in quite different ways. This course explores those differences in an effort to come to terms with our neighbor to the north.

HIS 272 NEWS AND VIEWS **3 CREDITS**

This discussion course analyzes contemporary national and international issues, such as poverty, drugs, crime and punishment, Third-World debt, and the changing political and economic alignments in Europe. These events are followed in selected newspapers and news magazines, as well as on radio and television programs.

HIS 275 INTRODUCTION TO EAST ASIAN HISTORY **3 CREDITS**

An introductory survey focusing on the major civilizations of East Asia, China and Japan, from the earliest periods to the mid-19th century. The course will consider the formation of distinctive societies and cultures, emphasizing the interaction of social, economic, and political forces with cultural values and ideas.

HIS 302 COLONIAL AMERICA **3 CREDITS**

During the colonial period, many of the ideas, values, and institutions evident in American society today were introduced and developed. A regional approach will be taken to a discussion of such topics as community and institutional development, land and labor, conflict and rebellion, commercial versus subsistence economy, and the emergence of a unique political ideology.

HIS 303 REVOLUTION AND THE EARLY REPUBLIC, 1763-1828 3 CREDITS

The American Revolution transformed 13 colonies into an independent nation, and the Constitution laid the foundation for the new republic. Even so, it took several decades before the country was on firm ground. This most critical period of American history is viewed through the momentous social, political, and economic changes that accompanied the creation of the United States. There are no prerequisites, but HIS 120 or its equivalent is recommended.

HIS 305 ANTEBELLUM AMERICA, 1828-1860 3 CREDITS

The period between 1828 and 1860 was a tumultuous era in the United States. The nation experienced rapid economic growth, geographical expansion, sectional differences and political turmoil, culmination in civil war. This course emphasizes the political, economic, and social developments that help explain the growing divisions in the nation.

HIS 307 CIVIL WAR AND RECONSTRUCTION 3 CREDITS

Did the United States develop a political and social identity in the early 19th century, or were people more concerned with state and regional issues than with national questions? What were the problems, tensions, and conflicts that both united and divided the various sections of the country in the decades preceding the Civil War? This course takes a regional approach in its examinations of the tensions and problems that led to the conflict.

HIS 310 GREAT ISSUES: A SURVEY OF AMERICAN HISTORY 3 CREDITS

PREREQUISITE: JUNIOR OR SENIOR STANDING

United States history from the colonial period to the present is explored from the vantage point of enduring great issues, such as democracy, capitalism, and civil rights, among others. Issues change from semester to semester. This course is especially suited to upper class students with no previous college history and for those seeking teacher certification. HIS 310 may not be used to fulfill any history major requirements and is closed to students who have taken HIS 120 or HIS 121 or their equivalents.

HIS 313 THE GILDED AGE TO WORLD WAR I 3 CREDITS

The United States underwent fundamental changes during the late 19th century that brought the nation to the verge of becoming a world economic and political power. This course considers such important topics as immigration, the growth of cities, industrialization, agricultural and labor unrest, America's debut as a world power, and the great reforms of the Progressive Era.

HIS 315 THE UNITED STATES BETWEEN THE WARS 3 CREDITS

The Roaring Twenties introduced Americans to the wonders of the modern age, including the automobile, radio, air travel, motion pictures, home appliances, and consumer credit, but these fast-paced changes also caused problems. Tensions between rural and urban centers helped set the scene for the reemergence of the Ku Klux Klan, immigration restriction, conflict over Prohibition, market crash, the Great Depression that followed, New Deal efforts to come to terms with a shattered economy, and the coming of World War II.

HIS 316 UNITED STATES AFTER WORLD WAR II 3 CREDITS

The post-World War II decades brought the United States to the height of its powers and to center stage in world affairs. At the same time, Americans at home experienced significant changes in their social and economic lives. Topics include the Cold War, the Korean and Vietnam wars, and the implications of Pax Americana as well as post-war conformity, the growth of suburban life, and the civil rights movement.

HIS 317 WOMEN AND FAMILY IN WESTERN SOCIETY **3 CREDITS**

This course examines the evolution of the family and women's roles in Europe from the Reformation to the 20th century. Important themes include education, childrearing, demographic changes, the household economy, changing gender roles, feminism, the effects of new ideologies on ideas of the family, and the development of the welfare state.

HIS 318 HISTORY OF U.S. FOREIGN RELATIONS **3 CREDITS**

A survey of U.S. Foreign Policy from the Revolution to the Cold War. Topics include the rise of the U.S. to superpower status, reactions to U.S. economic, political, and military power, and the development and consequences of the Cold War.

HIS 320 CONNECTICUT HISTORY **3 CREDITS**

The course examines the growth and development of Connecticut from the colonial period to the present. The settlement of Connecticut followed closely that of Massachusetts. Yet many people believe that it is different from the rest of New England, because Connecticut did not share fully the Yankee traditions, values, and institutions long associated with the rest of traditional New England. Just how unique is Connecticut?

HIS 321 AFRICAN AMERICAN HISTORY TO 1877 **3 CREDITS**

A survey of the history of the African people in the United States from the African background through emancipation. Emphasis is on American slavery, abolition, Civil War, the free African American community, and Reconstruction.

HIS 322 AFRICAN AMERICAN HISTORY SINCE 1877 **3 CREDITS**

This course emphasizes African American leadership, organizations, achievements, and struggles for equality in America since 1877. Major topics include Jim Crowism, migration, education, American imperialism, and African American involvement in the two world wars as well as the role of "black leadership" and the Civil Rights Movement.

HIS 325 THE EXPANSION OF NEW ENGLAND **3 CREDITS**

As New England pioneers moved west after the Revolution, they left the imprint of their section in a distinctive band across the northern part of the country. This course surveys the broad scope of transplanted New England culture from a historical perspective, with special attention paid to cultural geography, religion, politics, education, and reform. Previous courses in American history or New England studies are recommended.

HIS 327 DISASTERS IN AMERICA **3 CREDITS**

Violent natural and man-made events that have caused widespread physical destruction and death, such as hurricanes, earthquakes, fires and industrial accidents, have always been a part of American history. This course lays a foundation for inquiry into the meaning and significance of disasters in the United States from the colonial period to the present. Topics covered include causes, preparation, destruction, relief, recovery, and long-term responses. On a deeper level, the study of disasters reveals extraordinary insights into underlying values that characterize American society because people under duress often act upon their basic beliefs in direct and unequivocal ways that may not be evident under normal circumstances.

HIS 328 AMERICAN IMMIGRATION HISTORY **3 CREDITS**

This course explores the American immigrant experience since mid-19th century in both urban and rural settings. The course will consider migration patterns, ethnic community building processes, conflict in the communities, problems of religion, labor unionism, social mobility, immigration legislation, and emergence of pluralistic America.

HIS 329 INTRODUCTION TO THE HISTORY OF EAST CENTRAL EUROPE **3 CREDITS**

This course is an introduction to the history and culture of Eastern and Central Europe – a region which has experienced both a turbulent and fascination past. Through a study of a wide range of sources, the course will explore social, economic, political and cultural dimension of East/Central Europe from the middle ages to contemporary times.

HIS 330 TUDOR STUART BRITAIN **3 CREDITS**

Survey of British history from the War of the Roses to the Glorious Revolution. The course stresses social, political, and religious developments during a formative period of British history.

HIS 331 MODERN BRITAIN **3 CREDITS**

Survey of British history from the Glorious Revolution to the present. The course focuses on the rise and decline of the British Empire, the Industrial Revolution and its impact, and the development of the British political system.

HIS 333 ROMAN HISTORY **3 CREDITS**

History of the Roman world in both Italy and the provinces from the later Republic to the end of the Empire.

HIS 334 EARLY MIDDLE AGES **3 CREDITS**

History of Europe from the later Roman Empire to the tenth century.

HIS 337 HISTORY OF RUSSIA **3 CREDITS**

An introduction to the history of Russia from the Medieval period to World War II, focusing on the development of institutions and political systems and on the changing relationship between Russia and the West.

HIS 339 HISTORY OF MODERN GERMANY **3 CREDITS**

A survey of German history from the founding of the German state in 1871 through World War II and its aftermath. The course will emphasize the origins, development, and policies of the National Socialist dictatorship.

HIS 340 HISTORY OF THE AMERICAN SOUTH **3 CREDITS**

A history of the American South from the colonial period to the present emphasizing the evolution of the distinctive characteristics and values of southern society.

HIS 341 COLONIAL LATIN AMERICA **3 CREDITS**

Examines the establishment, consolidation and dismantling of the Spanish and Portuguese empires in the Western Hemisphere. Special attention is given to the interaction of Native Americans, Africans, and Iberians in forming Latin American social, economic and political traditions.

HIS 342 MODERN LATIN AMERICA **3 CREDITS**

The history of Spanish and Portuguese America from independence to the present.

HIS 345 HISTORY OF MEXICO **3 CREDITS**

Investigation of the forces that have shaped modern Mexico, from the Aztec and Maya kingdoms and the Spanish Conquest, to the Revolution and the emergence of modern Mexican society.

HIS 346 CENTRAL AMERICA**3 CREDITS**

Investigation of sources of tensions in modern Central America from Indian cultures through the breakup of the United Provinces of Central America into Guatemala, El Salvador, Honduras, Nicaragua and Costa Rica. The National Period is also covered. Social and economic roots of the region's problems will be stressed.

HIS 347 HISTORY OF BRAZIL**3 CREDITS**

An inquiry into the uniqueness of modern Brazil, giving special attention to the interplay of different races and cultures in the region since 1500.

HIS 350 EUROPEAN WARFARE, 1337-1815**3 CREDITS**

This course examines the history of European militaries and warfare from the beginning of the Hundred Years War through the era of the Napoleonic Wars. It will highlight the most significant wars and campaigns of the period and will also provide an overview of the ways in which war and warriors were shaped by their larger civilian context.

HIS 351 EUROPE AND THE GREAT WAR**3 CREDITS**

This course will provide an in-depth examination of Europe and World War I, the "Great War" of 1914-1918. Topics include the origins of the war, the development of the war on the military and home fronts, and its effects on the men and women of the war-time generation and postwar Europe.

HIS 352 HISTORY OF WORLD WAR II**3 CREDITS**

An examination of the origins and development of the Second World War in Europe and the Pacific, covering the military, economic, and social history of the war.

HIS 356 OLD REGIME EUROPE**3 CREDITS**

This course surveys the history of Old Regime Europe during the 17th and 18th centuries. Although it will address a broad array of topics (politics, war and diplomacy; societies and economies; religion and science), it will revolve around two themes. First, it will analyze the broad European movements to reassert control over the increasing chaos of the late 16th century. Second it will analyze the various factors that slowly undermined this quest for stability up to the eve of Revolution of 1789.

HIS 357 FRENCH REVOLUTION AND NAPOLEON**3 CREDITS**

This course examines a pivotal period in world history, the era of European revolution at the end of the 18th century. It focuses on French political, social, intellectual, cultural, and military events from the 1780s through 1815. The impact of Revolutionary & Napoleonic France on Europe will also be discussed.

HIS 365 SPECIAL TOPICS**3 CREDITS**

Special areas of interest in U.S., European, or world history. Topics vary from semester to semester. Course may be repeated with a change of topic.

HIS 371 THE MAKING OF CHINA'S TRADITION**3 CREDITS**

This course covers the formative epochs of China's traditional history from its beginnings to the mid 19th century. The course deals with the formation of a distinctively Chinese culture and polity as well as how that society was changed by interaction with other peoples and through internal transformations and innovations. The course ends with a consideration of the nature of Chinese society on the eve of the current era of revolution.

HIS 372 CHINA IN REVOLUTION**3 CREDITS**

The century from the Opium Wars and the Taiping Rebellion to the success of the Communist Revolution was one of fundamental change in China. This course considers China's political, social, and cultural history from the mid-nineteenth to the mid 20th century, covering the fall of the last dynasty, the warlords and the Nationalist movement, the Japanese invasion, and the Communist movement.

HIS 373 MAO'S CHINA**3 CREDITS**

This course follows the development of Communist China over the four decades of the Maoist period, from the Long March through the Cultural Revolution. It considers the legacy of the revolutionary war period and the problems involved in attempting to establish a socialist society while simultaneously engaging in economic development.

HIS 375 HISTORY OF JAPAN**3 CREDITS**

Japan from earliest times to the present. The emphasis will be on the formation of the Japanese character and of Japanese society. In addition, the political, social, and economic history will be covered.

HIS 378 EARLY NORTHERN EUROPE**3 CREDITS**

A survey of the early phases of the history of northern Europe, including the culture and society of the Celtic peoples, the impact of the Roman occupation, and the events which followed the arrival of the Teutonic peoples.

HIS 380 MODERN BLACK NATIONALISM**3 CREDITS**

This course focuses specifically on the evolution of Black Nationalism in the United States since Booker T. Washington's national emergence in 1895. The course will also focus on the nationalism and integrationist debate.

HIS 381 NON-VIOLENCE IN BLACK AMERICA**3 CREDITS**

This course analyzes the historical development of the philosophy of nonviolence in the African American community. The course looks at the impact of nonviolence before, during, and after the civil rights movement. It also focuses on the impact of personalism, Ghandi, black theology of liberation, and other ideas on Dr. Martin Luther King and his supporters. A segment of the course deals with the struggles of non-violent leaders to maintain stances on peace and nonviolence amidst the Vietnam War and calls for "Black Power."

HIS 385 INTRODUCTION TO PUBLIC HISTORY**3 CREDITS**

This course introduces students to the study and practice of American public history, the kind of history presented to the general public through museums, historic sites, monuments, and popular media. It is aimed at students who want to organize and lead field trips to history museums and historic sites, who are interested in careers in public history, or who simply want to learn more about how history is presented to the public.

HIS 391 RELIGION, WAR AND PEACE IN EARLY MODERN EUROPE**3 CREDITS**

This course examines the historical relationship between Christianity and war with an emphasis on early modern Europe. It traces the debate within Christianity over the use of religion to justify and condemn, facilitate and constrain the waging of war, as well as looking at how contemporaries explained and interpreted their actions in religious terms.

HIS 400 SEMINAR IN AMERICAN HISTORY **3 CREDITS**

PREREQUISITES: 18 CREDITS IN HISTORY AND HIS 200

Selected topics in American history from the age of colonization to the contemporary period.

HIS 406 SEMINAR IN EUROPEAN HISTORY **3 CREDITS**

PREREQUISITES: 18 CREDITS IN HISTORY AND HIS 200

Selected topics in European history since 1500.

HIS 407 SEMINAR IN WORLD HISTORY **3 CREDITS**

PREREQUISITES: 18 CREDITS IN HISTORY AND HIS 200

Discussion and guided research on a topic in the history of Asia, Africa, or Latin America. May be repeated for credit with a change of topic.

HIS 420 (ENG 420, AMS 420) SEMINAR IN AMERICAN CIVILIZATION **3 CREDITS**

Note: Fulfills the seminar requirement for History/American Studies majors.

An advanced study assuming general familiarity with American history and literature and requiring interdisciplinary research.

HIS 461 COLLOQUIUM IN AMERICAN HISTORY **3 CREDITS**

PREREQUISITE: HIS 200

The colloquium is primarily an in-depth reading course in selected areas of American history, focusing on 1607-1860 or 1860-present. Specific topics vary from semester to semester. Students should have a basic foundation in United States history and have completed HIS 200. May be repeated for credit with a change of focus.

HIS 462 COLLOQUIUM IN EUROPEAN HISTORY **3 CREDITS**

PREREQUISITE: HIS 200

The colloquium is an in-depth reading course in selected areas of European history since 1500. Specific topics vary. Students should have had a basic survey in modern Europe and have completed HIS 200. May be repeated for credit with a change of focus.

HIS 463 COLLOQUIUM IN WORLD HISTORY **3 CREDITS**

PREREQUISITE: HIS 200

An in-depth reading course in special topics in Asian, African, or Latin American history or in comparative topics involving Western and non-Western cultures. May be repeated with a change of topic.

HIS 470 HISTORY TRAVEL AND STUDY PREPARATION **1 CREDIT**

PREREQUISITE: CONSENT OF INSTRUCTOR AND SIX CREDITS OF HISTORY COURSES

CO REQUISITE; HIS 471 HISTORY TRAVEL AND STUDY

This course provides the necessary background and preparation for HIS 470, History Travel and Study.

HIS 471 HISTORY TRAVEL AND STUDY**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR; CO REQUISITE: HIS 470

This course provides opportunities for education travel to places of historic interest. Trips normally last eight to 10 days. Particular itineraries, travel dates, and arrangements vary each time the course is offered. HIS 470 must be taken in the same session. HIS 471 may be repeated with a different itinerary, but only three credits of HIS 471 may be applied to any history major or minor.

HIS 480 INDEPENDENT STUDY**3-9 CREDITS**

PREREQUISITES: HIS 200 AND CONSENT OF INSTRUCTOR

Research and analysis of a topic of concern to history.

HIS 490 INTERNSHIP IN HISTORICAL RESEARCH**3-15 CREDITS**

PREREQUISITE: CONSENT OF DEPARTMENT

MATHEMATICS

Chairperson: *Marsha J. Davis*

Professors: *Marsha J. Davis, Salvatrice F. Keating, Mizan R. Khan*

Associate Professor: *Anthony Y. Aidoo, Peter A. Johnson, Christian L. Yankov*

Assistant Professors: *Christina H. Brewer, Peter A. Johnson, Bonsu M. Osei, Kim Ward,*

Major: Mathematics (B.A./B.S.)

Objectives

The Mathematics major is designed to develop concepts and techniques for a liberal arts student interested in the general field of mathematics. Students plan an individualized program that will best suit their needs and goals in consultation with a faculty advisor from Mathematics. The student should consult with the department chairperson to choose an advisor. Students must have courses approved by their advisor each semester. Courses are designed for those who wish to pursue careers such as an actuary, a high school mathematics teacher, an elementary school teacher, technical careers in industry or government or for those who wish to attend graduate school.

Degree Requirements

The requirements are a total of 42 credits, as indicated below. In 300- or 400-level mathematics courses, either a minimum grade of C must be earned in each course or a minimum average of C+ must be earned in all courses. Students majoring in Mathematics may substitute MAT 315 Applied Probability and Statistics for their Tier II Information Technology requirement.

Required Courses

| | |
|---------|------------------------------------|
| MAT 230 | Discrete Structures |
| MAT 243 | Calculus I with Technology |
| MAT 244 | Calculus II with Technology |
| MAT 300 | Abstract Algebra |
| MAT 310 | Applied Linear Algebra |
| MAT 315 | Applied Probability and Statistics |
| MAT 340 | Calculus III |
| MAT 380 | Geometry |
| MAT 420 | Real Analysis I |
| MAT 421 | Real Analysis II |
| CSC 210 | Computer Science and Programming I |

Electives

Any two mathematics courses numbered over 300, but neither 303 nor any internships. Students who chose the elementary education option may use EDU 411, Methods in Elementary Mathematics and Science, as an elective. Mathematics majors who plan to apply for secondary mathematics certification should take MAT 372 Advanced Mathematics for High School Teaching.

Recommended Course Sequence: Mathematics Major (B.A. or B.S.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|---------------------|---|-------------------|
| ENG 100 | College Writing | 3 |
| Tier I requirements | | 12-15 |
| MAT 130 | Precalculus Mathematics | 0-4 |
| MAT 243 | Calculus I with Technology | 4 |
| MAT 244 | Calculus II with Technology | 4 |
| MAT 230 | Discrete Structures | 3 |
| CSC 110 | Introduction to Computing and Problem Solving | 3 |
| Total | | 30 credits |

Second Year

| | | |
|----------------------|------------------------------------|-------------------|
| Tier II requirements | | 12 |
| Foreign Language | | 0-6 |
| MAT 340 | Calculus III | 4 |
| MAT 310 | Applied Linear Algebra | 3 |
| MAT 380 | Geometry | 3 |
| CSC 210 | Computer Science and Programming I | 3 |
| Minor | | 0-3 |
| Electives | | 0-3 |
| Total | | 30 credits |

Third Year

| | | |
|--------------|------------------------------------|-------------------|
| MAT 300 | Abstract Algebra | 3 |
| MAT 420 | Real Analysis I | 3 |
| MAT 3** | | 3 |
| MAT 315 | Applied Probability and Statistics | 3 |
| Minor | | 0-6 |
| Electives | | 8-17 |
| Total | | 30 credits |

Fourth Year

| | | |
|--------------|------------------|-------------------|
| MAT 420 | Real Analysis I | 3 |
| MAT 421 | Real Analysis II | 3 |
| MAT or CSC | Electives | 6 |
| Minor | | 0-6 |
| Electives | | 12-15 |
| Total | | 30 credits |

Minor: Mathematics

The Mathematics minor is designed to support a student's major program in at least one of several ways. It directly supports the growing number of disciplines which are quantitatively or logically oriented, such as biology, earth science, and economics. It directly supports any

discipline where logic and precise thinking are important. In elementary education, it provides a level of expertise which gives the student strong credentials to be a math leader in his or her school. At least nine credits in the minor cannot be used to fulfill any other university requirements.

Required Courses

| | |
|---------|-----------------------------|
| MAT 230 | Discrete Structures |
| MAT 243 | Calculus I with Technology |
| MAT 244 | Calculus II with Technology |

Electives

Any three mathematics courses numbered 300 or higher, but not MAT 303.

Honors

All 400-level courses are honors courses.

Education Option

Students who will earn a liberal arts major in mathematics may be interested in the teaching profession. This is an option leading to a challenging and rewarding career.

Elementary Education Option

The Elementary Education Option in mathematics leads to certification in grades K-6. After earning this certification, students may teach in elementary school. For this option, you may use EDU 411 as one of the mathematics electives.

Secondary Education Option

The Secondary Education Option in mathematics leads to certification in grades 7-12. After earning this certification, students may teach in either middle or high school. For this option, MAT 372 Advanced Mathematics for High School Teaching is required.

Facilities

The Department's mathematical computing facilities include a wide range of hardware and software. The department uses Maple, SPSS, Minitab, and Geometer's Sketchpad mathematical software in several of its courses. Students may access state-of-the-art computer facilities located on campus.

Courses of Instruction: Mathematics

MAT 098W ELEMENTARY ALGEBRA WITH WORKSHOP 4 CREDITS

Topics include linear equations and inequalities in one and two variables, systems of linear equations, exponents and polynomials, and factoring. In addition, this course includes review of pre-algebra topics such as working with fractions, decimals, percentages, and signed numbers. Cannot be used for graduation credit. Must be completed within the first 24 credits at Eastern. See Policy on proficiency courses on page 69.

MAT 098 ELEMENTARY ALGEBRA 3 CREDITS

PREREQUISITE: PLACEMENT AT THIS LEVEL

Designed for students with no successful experience in the study of traditional algebra. The introduction of elementary algebra with selected topics from the usual first course in algebra. Cannot be used for graduation credit. Must be completed within the first 24 credits at Eastern. See Policy on proficiency courses on page 69.

MAT 101W INTERMEDIATE ALGEBRA WITH WORKSHOP 4 CREDITS

PREREQUISITE: MAT 098 with D, D+, or C-, OR PLACEMENT AT THIS LEVEL

A review of selected topics from Elementary and Intermediate Algebra. Additional topics include a functional approach to the real number system, higher-degree equations and inequalities, functions and inverses, curve sketching, exponential and logarithmic functions, and analytic geometry. This course is four credits, of which three credits will count towards graduation.

MAT 101 INTERMEDIATE ALGEBRA 3 CREDITS

PREREQUISITE: MAT 098 with C or above, OR PLACEMENT AT THIS LEVEL

Note: Designed for students who have had only one year of high school algebra or who have had little success with second-year high school algebra.

A functional approach to the real number system, higher-degree equations and inequalities, functions and inverses, curve sketching, exponential and logarithmic functions, and analytic geometry.

MAT 120 ALGEBRA CONCEPTS IN CONTEXT 3 CREDITS

PREREQUISITE: Open to Bachelor of General Studies students only

This course will help prepare students both for algebra they will meet in subsequent mathematics courses and for the mathematics they will use outside of academic contexts. The concepts of algebra are presented in realistic contexts and explored through a number of representations including verbal, symbolic, graphical and tabular. The focus is on the concept of function, with a thorough study of both linear and exponential functions.

MAT 130 PRECALCULUS MATHEMATICS 4 CREDITS

PREREQUISITE: MAT 101 OR PLACEMENT AT THIS LEVEL

A review of topics in algebra. An introduction to functions, inverse functions, exponential and logarithmic functions, trigonometry, analytic geometry.

MAT 135 MATH FOR LIBERAL ARTS 3 CREDITS

PREREQUISITE: MAT 101 OR PLACEMENT AT THIS LEVEL

Mathematics applied to solving practical problems in a variety of disciplines. Mathematical topics include but are not limited to voting theory and financial mathematics. Additional topics may be chosen at the discretion of the instructor.

MAT 139 NUMBER SYSTEMS 3 CREDITS

PREREQUISITE: MAT 101 OR PLACEMENT AT THIS LEVEL

A problem-solving approach is used in the study of sets and number systems. The natural numbers are extended to the integers, rationals, and the reals. Topics include elementary number theory, non-decimal systems, numeration, and computational algorithms in the elementary school. The course is designed and intended for future elementary school teachers, emphasizing the content/method connection.

MAT 140 SURVEY OF LOGIC, GEOMETRY, AND PROBABILITY 3 CREDITS

PREREQUISITE: MAT 139

A thorough introduction to logic is followed by a “point-set” approach to geometry and measurement. Topics include truth tables, valid arguments, congruence and similarity, coordinate geometry, and an introduction to probability and statistics.

MAT 203 STATISTICAL DECISIONS IN SOCIETY **3 CREDITS**

PREREQUISITE: MAT 101 OR PLACEMENT AT THIS LEVEL

Note: Students needing statistics as a practical tool should select MAT 216.

An examination of the nature and use of statistics in society. Emphasis is placed on careful analysis of data using graphs and numerical measures, and on the study of chance variation of sample averages and percentages. Students will draw inferences from real data sets.

MAT 205 (ECO 300) MATHEMATICS FOR ECONOMICS **3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

An introduction to matrix algebra and calculus, with applications to economic models, including static (equilibrium) analysis, comparative static analysis and optimization.

MAT 216 STATISTICAL DATA ANALYSIS **3 CREDITS**

PREREQUISITE: MAT 101 OR PLACEMENT AT THIS LEVEL

Multidisciplinary, data-driven course in applied statistics. Topics selected from exploratory data analysis (tables, graphs, central tendency and variation), correlation and regression, probability and statistical inference (confidence intervals and hypothesis testing). Emphasis placed on interpretation and analysis of real-data sets. Use of statistical computing software is integral to the course.

MAT 230 DISCRETE STRUCTURES **3 CREDITS**

PREREQUISITE: MAT 130 OR PLACEMENT AT THIS LEVEL

Introduction to set theory and logic, relations and functions, methods of proof.

MAT 243 CALCULUS I WITH TECHNOLOGY **4 CREDITS**

PREREQUISITE: MAT 130 OR PLACEMENT AT THIS LEVEL

Study of limits, continuity, differentiation and integration.

MAT 244 CALCULUS II WITH TECHNOLOGY **4 CREDITS**

PREREQUISITE: MAT 243

Techniques of integration, trigonometric and inverse functions, parametric equations, infinite series.

MAT 300 ABSTRACT ALGEBRA **3 CREDITS**

PREREQUISITE: MAT 230

Note: This course should be taken by students planning to do graduate study in computer science.

Introduction to algebraic systems, Boolean algebra, design of logic circuits, group theory, fundamental isomorphism theorems.

MAT 303 MATHEMATICS FOR POETS **3 CREDITS**

Note: PHI 120 is recommended.

The role of mathematics in Western civilization, examined through its contributions to philosophy, religion, music, art and aesthetics. The course is primarily non-computational, emphasizing the underlying nature of mathematics.

- MAT 310 APPLIED LINEAR ALGEBRA** **3 CREDITS**
 PREREQUISITES: MAT 230 & MAT 243/244
 Matrices and determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors, with emphasis on applications.
- MAT 315 APPLIED PROBABILITY AND STATISTICS** **3 CREDITS**
 PREREQUISITE: MAT 244
 Applied probability and statistics (both descriptive and inferential), including random variables and their distributions and applications of standard statistical techniques.
- MAT 340 CALCULUS III** **4 CREDITS**
 PREREQUISITE: MAT 244
 Vector and multidimensional calculus; theory of limits.
- MAT 341 DIFFERENTIAL EQUATIONS** **3 CREDITS**
 PREREQUISITE: MAT 244
 Methods of solution of ordinary differential equations; applications in mathematics and science.
- MAT 345 OPTIMIZATION** **3 CREDITS**
 PREREQUISITE: MAT 243
 Introduction of optimization techniques in Management Science. Core topics include linear programming (graphical and computer solutions), integer programming, and nonlinear programming. Emphasis placed on modeling and computer solutions.
- MAT 350 (CSC 350) NUMERICAL ANALYSIS** **3 CREDITS**
 PREREQUISITES: CSC 210 OR CSC 231 AND MAT 244
 Computer solution of problems of interpolation, approximation, numerical integration, polynomial and differential equations and systems of linear equations.
- MAT 353 (CSC 353) INTRODUCTION TO WAVELET THEORY AND APPLICATIONS** **3 CREDITS**
 PREREQUISITES: CSC 210 OR CSC 231 AND MAT 244
 An introduction course to the most recently developed wavelet theory and applications by using real-world examples and computer-assisted visualization. The primary audience is student with interests in engineering, applied mathematics and statistics.
- MAT 360 TOPICS IN MATH** **3 CREDITS**
 PREREQUISITE: CONSENT OF INSTRUCTOR
 Note: Can be taken more than once for credit.
 The treatment of special topics in mathematics and their adaptation in various types of mathematics problems. Emphasis is on the development of the basic concepts in each topic.
- MAT 370 OPERATIONS RESEARCH** **3 CREDITS**
 PREREQUISITES: MAT 315, CSC 111 OR 131
 Mathematical models, linear programming, queuing theory, computer simulation, game theory, and other topics as time permits.

MAT 372 ADVANCED MATHEMATICS FOR HIGH SCHOOL TEACHING

3 CREDITS

PREREQUISITE: MAT 230, MAT 244, MAT 380 and at least on other MAT course at 300 or 400 level.

Students investigate secondary mathematical topics from advanced viewpoint. The course will integrate advanced mathematical thinking from Calculus, Geometry, Abstract Algebra, Discrete Mathematics, Applied Probability and Statistics with the mathematical content typically taught at the secondary level.

MAT 375 (AST 375) MATHEMATICAL ASTRONOMY AND ASTROPHYSICS

3 CREDITS

PREREQUISITE: MAT 340

Mathematical problems in cosmology, astrophysics, and celestial mechanics.

MAT 380 GEOMETRY

3 CREDITS

Development of both theoretical and practical concepts related to Euclidean and non-Euclidean geometry.

MAT 420 REAL ANALYSIS I

3 CREDITS

PREREQUISITES: MAT 230 AND MAT 244; recommended MAT 300

A rigorous study of the real number system including equivalent formulations of the completeness axiom, limits, sequences, continuity, and uniform continuity.

MAT 421 REAL ANALYSIS II

3 CREDITS

PREREQUISITE: MAT 420

A study of the theory of differentiation, infinite series, integration, uniform convergence, and metric spaces.

MAT 422 ADVANCED TOPICS IN ANALYSIS

3 CREDITS

PREREQUISITE: MAT 420

Selections from the following: measure and integration, a rigorous introduction to the theory of probability, abstract spaces, and various kinds of differentiation.

MAT 440 TOPOLOGY

3 CREDITS

A study of the basic notions of point-set topology, bases and sub-bases, continuity, topological equivalence, countability, separation axioms, compactness, product spaces, connectedness, completeness, and function spaces. Co-requisite: MAT 420

MAT 450 COMPLEX VARIABLES

3 CREDITS

PREREQUISITE: MAT 420

Complex numbers, analytic functions, integration and differentiation of functions of a complex variable, Cauchy's integral theorem, power series.

MAT 480 INDEPENDENT STUDY

3 CREDITS

PREREQUISITE: APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

MAT 490 INTERNSHIP IN COLLEGE TEACHING

2 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

By invitation only. Can be taken more than once for credit. Graded on a credit/no credit basis.

MODERN AND CLASSICAL LANGUAGES

Chairperson: *Kin S. Chan*

Associate Professor: *Michèle Bosković, Sonia Cintrón-Marrero*

Assistant Professors: *Agustín Bernal, Kin S. Chan*

Objectives

The Department of Modern and Classical Languages (MCL) seeks to promote an understanding and appreciation of other civilizations and cultures. Our language courses provide rigorous training stressing proficiency in all the linguistic skills. Offerings also include literature, civilization and cinema courses in classes conducted in the target language and English. Class size allows close contact between students and faculty.

Our students will gain professional skills that will prepare them to enter a wide range of careers. Our students may become teachers, prepare for graduate study, or combine their language with majors or minors in other disciplines to compete successfully in many fields, e.g., business, publishing, government or social work.

Major: Spanish (B.A.)

Candidates will complete a planned program of 36 credits in Spanish, exclusive of introductory-level courses. Courses will be chosen in consultation with the major advisor, and areas of emphasis will depend on the student's preference and objectives. Elective courses in related areas will also be chosen in conjunction with the advisor.

An internship program provides advanced students with the opportunity to assist professors at Eastern in introductory and intermediate courses while receiving academic credit. Students may choose a field-experience program in which they will work as aides in language classes in the local school systems. They may also receive academic credit for work in other community-based social agencies/businesses or may participate in co-op programs in the United States or abroad.

Degree Requirements

I. Requirements (or equivalents)

A basic linguistic core preparation will be required of all students (certain students, including native speakers, may offer equivalencies for these courses with formal approval from the department):

SPA 210/211 Intermediate Spanish

SPA 310/311 Advanced Spanish

II. Other Required Courses

SPA 316 Spanish Civilization

SPA 318 Latin American Civilization

SPA 320 Spanish Literature I

SPA 321 Spanish Literature II

SPA 401 Phonetics

One Latin American Literature Course

A study-abroad experience is strongly recommended.

Education students are also required to take SPA 430 Methods of Teaching Foreign Languages.

Upon completion of the basic linguistic core and in close consultation with the department, students will choose from among regular and one-credit courses to complete the rest of the major requirement.

No Spanish or MCL course graded below a 2.0 in courses numbered 200 and above will be allowed for credit toward the 36-credit requirement.

Recommended Course Sequence: Spanish Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule. Discuss all selections with advisor. Courses taken abroad can count towards requirements and electives. It is recommended that Spanish majors study abroad after their second year.

Freshmen may place into the second- or third- year level. Consult with Chairperson as to the recommended sequence.

First Year

| | | |
|---------|--------------------------------------|-------------------|
| SPA 110 | Elementary Spanish I | 3 |
| SPA 111 | Elementary Spanish II | 3 |
| | Liberal Arts Curriculum Requirements | 24 |
| | Total | 30 credits |

Second Year

| | | |
|---------|--------------------------------------|-------------------|
| SPA 210 | Intermediate Spanish I | 3 |
| SPA 211 | Intermediate Spanish II | 3 |
| MCL 365 | Special Topics | 3 |
| | Liberal Arts Curriculum Requirements | 21 |
| | Total | 30 credits |

Third Year

| | | |
|---------|----------------------------|-------------------|
| SPA 310 | Advanced Spanish I | 3 |
| SPA 311 | Advanced Spanish II | 3 |
| SPA 312 | Conversation & Composition | 3 |
| SPA 3** | Spanish Elective | 3 |
| SPA 3** | Spanish Elective | 3 |
| MCL 3** | MCL Elective | 3 |
| | Electives | 12 |
| | Total | 30 credits |

Fourth Year

| | | |
|---------|-----------------------------|---|
| SPA 320 | Spanish Literature I | 3 |
| SPA 316 | Spanish Civilization | 3 |
| SPA 318 | Latin American Civilization | 3 |

| | | |
|---------|--|-------------------|
| SPA 401 | Phonetics | 3 |
| SPA 321 | Spanish Literature II | 3 |
| SPA 3** | Spanish Elective | 3 |
| | Electives | 9 |
| SPA 430 | Methods of Teaching Foreign Languages (prospective teachers only) | 3 |
| | Total | 30 credits |

Minors: French, Latin American Studies, Modern Languages, Spanish

The Department of Modern and Classical Language Studies offers minors in French, Latin American Studies, Spanish, or Modern Languages (a combination of languages). It is expected that students will enroll at the intermediate level of the language for six credits and choose nine other credits according to their interests. At least nine credits must be taken at ECSU. Minor students will have an advisor with whom they will work out the program most suited to their needs.

Minor: French

15 credits beyond elementary level (i.e., FRE 110/111)

Minor: Latin American Studies

Latin American Studies is an interdisciplinary minor specializing in the histories, cultures, and social structures of the region.

The minor consists of 15 credits. The courses that may be used to fulfill the requirement include:

1. Up to six credits may be counted from intermediate (200 level) or above-level courses in one or more of the languages of the region.

2. The following courses are currently taught at Eastern

| | |
|-------------|---|
| SPA 318 | Latin American Civilization |
| SPA 323 | Latin American Literature |
| HIS 255 | Introduction to Latin America |
| HIS 345 | History of Mexico |
| HIS 346 | Central America |
| PSC 240 | Latin American Politics |
| SOC 355 | Latin America: Structure, Change, and Development |
| SOC/SPA356 | America Latina (taught in Spanish) |
| MCL/ENG/324 | Literature by Women Authors of Latin America |
| WST | |

3. Other Latin America-related courses from Eastern or other universities with the consent of the Coordinator.

4. Independent studies courses that focus on a Latin America-related issue.

Minor: Modern Languages

Nine credits in one language beyond elementary level; six credits in another language

Minor: Spanish

15 credits beyond elementary level (i.e., SPA 110/111)

Courses of Instruction: French Language, Literature, and Culture

FRE 110/111 INTRODUCTORY FRENCH I/II

3/3 CREDITS

Communication-oriented multimedia course that includes elements of grammar, reading for comprehension, and introduction to the cultures of the French-speaking world.

FRE 116 INTRODUCTION TO THE FRENCH-SPEAKING WORLD

3 CREDITS

Presentation of the French-speaking world through films; discussion of how these films represent and illustrate political, social and cultural issues. Topics include colonization and decolonization, ethnic minorities, racism, feminism, cinema, television, painting, music and songs, and popular culture. Taught in English; film with English subtitles.

FRE 210/211 INTERMEDIATE FRENCH I/II

3/3 CREDITS

PREREQUISITE: TWO YEARS OF HIGH SCHOOL FRENCH OR ONE YEAR OF COLLEGE FRENCH OR CONSENT OF INSTRUCTOR.

Development of the four basic skills, grammar review, and reading of selected materials of cultural and literary interest.

FRE 231 (MCL 231, WST 231) WOMEN WRITERS FROM FRENCH-SPEAKING COUNTRIES

3 CREDITS

Course will emphasize themes, style, society and culture in works of fiction by contemporary Francophone women writers from North Africa, Sub-Saharan Africa, the Caribbean, and Southeast Asia. This course is taught in English and may be repeated for credit with change in content.

FRE 310/311 ADVANCED FRENCH I/II

3/3 CREDITS

PREREQUISITE: FRE 210-211 OR CONSENT OF INSTRUCTOR

Development of speaking and writing skills, consolidation of grammatical knowledge, and enrichment of vocabulary through study of a selection of cultural and literary readings.

FRE 313 LANGUAGE AND STYLE I: CONVERSATION AND COMPOSITION

3 CREDITS

PREREQUISITE: FRE 210-211 OR CONSENT OF INSTRUCTOR

Intense study of conversational French. Learning of oral techniques of communication in conjunction with bi-weekly topics of conversation and composition.

FRE 314 LANGUAGE AND STYLE II: STYLISTICS

3 CREDITS

PREREQUISITE: FRE 210-211 OR CONSENT OF INSTRUCTOR

Intense study of language and style in texts of different genres and periods. Includes written exercises such as pastiches, and occasional translation exercises.

FRE 316 CULTURES OF THE FRENCH-SPEAKING WORLD 3 CREDITS

PREREQUISITE: FRE 210-211 OR CONSENT OF INSTRUCTOR

Aims to introduce students to French civilization and to familiarize students with today's cultures of French-speaking countries from a historical, political, social, and artistic perspective.

FRE 320 LITERATURE I: FRANCE 3 CREDITS

PREREQUISITE: FRE 210-211 OR CONSENT OF INSTRUCTOR

French literature in a historical-cultural perspective, from the Middle Ages to the present, with a particular emphasis on the 19th and 20th century.

FRE 321 LITERATURE II: FRENCH-SPEAKING WORLD 3 CREDITS

PREREQUISITE: FRE 210-211 OR CONSENT OF INSTRUCTOR

Literature of French Canada, the Caribbean, and North and Sub-Saharan Africa, in a historical-cultural perspective.

FRE 365 TOPICS IN FRENCH AND FRANCOPHONE STUDIES 3 CREDITS

PREREQUISITE: FRE210-211 OR CONSENT OF INSTRUCTOR.

Note: May be repeated for credit with a change of topic.

Selected topics in French literature, language, or culture

FRE 430 (SPA 430, MCL 430) METHODS OF TEACHING FOREIGN LANGUAGE 3 CREDITS

Course designed to introduce student to current methodologies (K-12) with special emphasis given to the proficiency-oriented classroom. Emphasis placed on rapidly changing contemporary pedagogy. Course includes readings, awareness of professional journals and organizations, observation of FL classes, and a class project. Cross-listed with MCL 430 and Spanish 430. Taught in English.

FRE 480 INDEPENDENT STUDY 3-6 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR REQUIRED

Independent study in literature, culture, or linguistics.

FRE 490 INTERNSHIP 3 CREDITS

Note: Open only to advanced students with Department approval.

Students serve as aides, usually in first- and second-year classes. Objective is to give students practical experience in a classroom setting.

FRE 492 DIRECTED STUDY 3-6 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR REQUIRED

FRE 495 FIELD EXPERIENCE 3-6 CREDITS

PREREQUISITE: APPROVAL OF DEPARTMENT

Note: Open only to advanced students with Department approval.

Courses of Instruction: Modern and Classical Languages, Literature, and Culture

MCL 231 (FRE 231, WST 231) WOMEN WRITERS FROM FRENCH-SPEAKING COUNTRIES

3 CREDITS

Course will emphasize themes, style, society and culture in works of fiction by contemporary Francophone women writers from North Africa, Sub-Saharan Africa, the Caribbean, and Southeast Asia. This course is taught in English and may be repeated for credit with change in content.

MCL 324 (ENG 324, WST 324) LITERATURE BY WOMEN AUTHORS OF LATIN AMERICA

3 CREDITS

Course will emphasize theme, style, and society in the works of fiction written by Latin American women. Taught in English.

MCL 365 TOPICS IN LITERATURE, LANGUAGE AND CULTURE

1-3 CREDITS

Special topics in modern and classical languages and cultures.

MCL 375 (ENG 375) LANGUAGE ACQUISITION IN YOUNG CHILDREN

3 CREDITS

Study of the development of first and second language (L1 and L2) in young children (birth through puberty). Includes infants' abilities at birth, pre-linguistic development, the first words, and phonological, syntactic and semantic development. Study of the major issues in L1 and L2 acquisition theory, such as the critical period hypothesis. Comparison of various theoretical models of acquisition for L1 and L2. Consideration of social and cultural factors affecting language acquisition.

MCL 430 (FRE 430, SPA 430)

Course designed to introduce student to current methodologies (K-12) with special emphasis given to proficiency-oriented classroom. Emphasis placed on rapidly changing contemporary pedagogy. Course includes readings, awareness of professional journals and organizations, observation of FL classes, and a class project. Cross-listed with FRE 430 and Spanish 430. Taught in English.

MCL 492 DIRECTED STUDY

3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Courses of Instruction: Spanish Language, Literature, and Culture

SPA 110/111 INTRODUCTORY SPANISH I/II

3/3 CREDITS

A multi-media approach to learning Spanish using video, audio tapes, computer software, and the laboratory. This course introduces students to Hispanic cultures as they acquire basic skills in the language.

SPA 113/114 CAREER SPANISH I/II

3/3 CREDITS

Note: Course fulfills college entrance requirement.

Two-semester course designed for those in medical field, business, law enforcement, social work, and teaching. Textbook covers basic grammar of regular beginner's course, accompanied by workbooks and tapes (with vocabulary, dialogues and exercises) on each of above fields.

SPA 210/211 INTERMEDIATE SPANISH I/II **3/3 CREDITS**
PREREQUISITES: TWO YEARS OF HIGH SCHOOL OR ONE YEAR OF COLLEGE
SPANISH, OR CONSENT OF INSTRUCTOR

Using a multi-media approach, students review and refine skills in Spanish as they continue to learn about the Hispanic world.

SPA 213/214 CONTINUING SPANISH FOR CAREERS I/II **3/3 CREDITS**

Course is designed for students who have studied basic Spanish grammar and want to expand on these skills while acquiring specific vocabulary and knowledge pertaining to the following careers: social services, medical services, teaching, law enforcement, business. Emphasis is on conversation. Students will prepare skits for videotaping as part of their midterm and final exams.

SPA 310 ADVANCED SPANISH I **3 CREDITS**
PREREQUISITE: SPA 210/211 OR CONSENT OF INSTRUCTOR

Course will offer an intensive grammar review within a proficiency based context. Emphasis will be on task-performance, supplemented by multi-media materials and practice in the language laboratory.

SPA 311 ADVANCED SPANISH II **3/3 CREDITS**
PREREQUISITE: SPANISH 310 OR CONSENT OF INSTRUCTOR

Course will continue to offer an intensive grammar review within a proficiency-based context. Emphasis will be on task-performance, supplemented by multi-media materials and practice in the language laboratory.

SPA 312/313: SPANISH CONVERSATION & COMPOSITION I/II **3 CREDITS**
PREREQUISITES: SPA 310, 311 OR CONSENT OF THE INSTRUCTOR

The objectives of this course will be to engage in debates and conversation that will enhance not only linguistic abilities, but also reasoning and persuasion. Writing assignments will emphasize use of brainstorming and refinement of point of view.

SPA 315 SPANISH FOR SPANISH-SPEAKING STUDENTS **3 CREDITS**

Note: Taught in Spanish. May be repeated for credit with a change in content.

Designed to improve command of the language by native speakers. Grammar, composition and readings on Hispanic literature and culture (may substitute for 310 or 311).

SPA 316 SPANISH CIVILIZATION **3 CREDITS**
PREREQUISITE: SPA 310, 311 OR CONSENT OF INSTRUCTOR

Study of development of Spanish culture.

SPA 318 LATIN AMERICAN CIVILIZATION **3 CREDITS**
PREREQUISITE: SPA 310, 311 OR CONSENT OF INSTRUCTOR

Study of development of Latin American culture.

SPA 320 SPANISH LITERATURE I **3 CREDITS**
PREREQUISITE: SPA 310, 311 OR CONSENT OF INSTRUCTOR

Introduction to Hispanic literature in historical-cultural perspective.

SPA 321 SPANISH LITERATURE II **3 CREDITS**

PREREQUISITE: SPA 320 OR CONSENT OF INSTRUCTOR

A survey of Spanish literature in historical-cultural perspective.

SPA 323 READINGS IN LATIN AMERICAN LITERATURE **3 CREDITS**

PREREQUISITE: SPA 320 OR CONSENT OF INSTRUCTOR

Note: This course may be repeated for credit with change in topic.

Course will emphasize theme, style and society in the works of Latin American authors. Taught in English or Spanish.

SPA 356 (SOC 356) AMERICA LATINA: ESTRUCTURA, CAMBIO Y DESARROLLO **3 CREDITS**

Analysis of the development of economic, social, and political structure.

SPA 365 HISPANIC STUDIES: SELECTED TOPICS **1-3 CREDITS**

Note: This course may be repeated for credit with change in topic.

Selected topics in literature, language and culture. Taught in English or Spanish.

SPA 401 PHONETICS **3 CREDITS**

PREREQUISITE: SPA 310-311 OR CONSENT OF INSTRUCTOR

Course designed to make student aware of intonation patterns and sound differences between English and Spanish and to diagnose and correct individual speech problems. Includes laboratory work.

SPA 402 SYNTAX **3 CREDITS**

PREREQUISITE: SPA 310-311 OR CONSENT OF INSTRUCTOR

Designed to increase student's grammatical proficiency emphasizing the unique features of Spanish grammar. Will stress composition aimed at accuracy of expression.

SPA 403 SPANISH-ENGLISH TRANSLATION **3 CREDITS**

PREREQUISITES: SPA 310-311 OR CONSENT OF THE INSTRUCTOR

SPA 403 is an introduction to the art and science of translation, in particular, from Spanish into English. Aspects to be discussed include: different approaches to translation, form vs. meaning, implicit meaning, and literal vs. figurative senses.

SPA 430 (FRE 430, MCL 430) METHODS OF TEACHING FOREIGN LANGUAGE **3 CREDITS**

Course designed to introduce student to current methodologies (K-12) with special emphasis given to the proficiency-oriented classroom. Emphasis placed on rapidly changing contemporary pedagogy. Course includes readings taught in English, awareness of professional journals and organizations, observation of FL classes, and a class project.

SPA 480 INDEPENDENT STUDY **3-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Independent study in literature or linguistics.

SPA 490 INTERNSHIP **3 CREDITS**

Note: Open only to advanced students with department approval.

Students serve as aides, usually in first and second year classes. The objective is to give students practical experience in a classroom setting.

SPA 492 DIRECTED STUDY **3-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

SPA 495 FIELD EXPERIENCE **3-6 CREDITS**

PREREQUISITE: APPROVAL OF DEPARTMENT

Note: Open only to advanced students with department approval.

OTHER COURSES OF INSTRUCTION: CHINESE, ITALIAN, JAPANESE

CHI 110/111 INTRODUCTORY CHINESE I/II **3/3 CREDITS**

Stresses the four basic language skills and cultural awareness of Chinese civilization. It will emphasize intensive oral and written practice as well as multimedia learning activities.

ITL 110/111 INTRODUCTORY ITALIAN I/II **3/3 CREDITS**

A beginning-level Italian course designed to stress the four basic language skills and cultural awareness of Italian civilization. It will emphasize intensive oral and written practice as well as multimedia learning activities.

JPN 110/111 INTRODUCTORY JAPANESE I/II **3/3 CREDITS**

Introductory Japanese is designed to stress the four basic language skills and cultural awareness of Japanese civilization. It will emphasize intensive oral and written practice as well as multimedia learning activities.

JPN 116 INTRODUCTION TO JAPANESE CULTURE **3 CREDITS**

An introduction to the world of Japan and its people, through books, articles, lectures and films.

PERFORMING ARTS

Chairperson: *David Belles*

Professors: *Ellen Faith Brodie, Okon Hwang, Robert M. Lemons*

Associate Professors: *David Belles Anthony Cornicello, Richard Jones-Bamman, David Pellegrini, Robert E. Ritz, F. Chase Rozelle III*

Assistant Professors: *Jeff Colissi, J.J. Cobb*

Major: Performing Arts (B.A.)

Music and Theatre

Objectives

The Performing Arts major offers students the opportunity to work within a humanities-based program, emphasizing the history, theory, performance and criticism of music and theatre. The degree program, emerging from an interdisciplinary department, ensures that students acquire skills that are applicable to all of the performing arts, while simultaneously developing greater depth in one of the areas of concentration. This multi-layered approach not only makes for better-informed performers, but nurtures long-term arts patronage as well.

Admission to the Program

Prospective students should consult with faculty before admission to the Performing Arts major, to discuss both their level of previous experience and their individual areas of interest. While entrance to specific courses may be determined by audition, there are no general audition requirements for admission to the degree program.

Degree Requirements

The Performing Arts major consists of 42 credits. These are divided between core required courses (18 credits total) and courses within one of two areas of concentration, Music or Theatre (24 credits total). The degree program culminates with a senior seminar (PAR 460), focused on topics that influence and impact all performing artists, and a senior project (PAR 487), designed in accordance with the individual student's interests. Performing Arts majors are exempt from GER category IIB. Students may not receive duplicate credit for GER classes and those that also apply to the Performing Arts major. Only Performing Arts courses receiving a grade of 2.0 (C) or above may be counted toward the major.

The Performing Arts Core (18 credits total)

The following courses are required for all Performing Arts majors:

| | | |
|---------------|---------------------------------------|-----------|
| PAR 160 | Introduction to the Performing Arts | 3 credits |
| MUS 100 | Fundamentals of Music | 3 credits |
| THE 170 | Introduction to Theatre | 3 credits |
| PAR 460 | Topics in the Performing Arts | 3 credits |
| PAR 487 | Senior Project in the Performing Arts | 3 credits |
| and | | |
| MUS 302 or | American Popular Music | 3 credits |
| THE 373 | Dramatic Theory and Criticism | |

Areas of Concentration in the Performing Arts

The Performing Arts Department offers two areas of concentration: Music and Theatre. Students choose one of these as their primary focus in the major. Each area of concentration is further divided into required courses and electives.

Music Concentration (24 credits total)

Required courses in the Music Concentration (17 credits total)

Through completion of these required courses, students in the Music Concentration gain a background in music history and theory, and develop an increased awareness of the diversity of musical expression.

| | | |
|---------|-----------------------------------|-----------|
| MUS 130 | Music Cultures of the World | 3 credits |
| MUS 205 | Theory of Music I | 3 credits |
| MUS 215 | Sight Singing/Ear Training Lab I | 1 credit |
| MUS 206 | Theory of Music II | 3 credits |
| MUS 216 | Sight Singing/Ear Training Lab II | 1 credit |
| MUS 235 | Survey of European Art Music I | 3 credits |
| MUS 236 | Survey of European Art Music II | 3 credits |

Electives in the Music Concentration (7 credits total)

Students in the Music Concentration will enhance their performance skills while continuing to develop their music history and theory background and explore electronic music technologies, by choosing among the elective courses in the following three subject areas.

Students choose at least one course from each subject area.

Electronic Music and Advanced Theory: 3 credits each

| | |
|---------|------------------------------------|
| MUS 230 | Experimental Music |
| MUS 250 | Electronic Music I |
| MUS 309 | Theory of Music III |
| MUS 350 | Electronic Music II |
| MUS 365 | Special Topics in Music Theory |
| MUS 365 | Special Topics in Electronic Music |
| MUS 372 | Multimedia Composition |
| MUS 480 | Independent Study in Music |

Global Perspectives in Music History and Criticism: 3 credits each

| | |
|---------|--------------------------|
| MUS 227 | All that Jazz |
| MUS 304 | Twentieth Century Music |
| MUS 308 | Opera |
| MUS 310 | Music in America |
| MUS 314 | Folk Music |
| MUS 330 | Korean Music and Culture |

| | |
|---------|---|
| MUS 335 | Ethnomusicology Survey |
| MUS 365 | Special Topics in Music History and Criticism |
| MUS 480 | Independent Study in Music |

Music Performance: 0.5-3 credits each

| | |
|-------------------------|---|
| MUS 103 | Chorus |
| MUS 106 | Gospel Choir |
| MUS 107 | Concert Band |
| MUS 113 | Music Ensemble (Chamber; Voice; Electronic) |
| MUS 211/ 214/ 256 | Class Piano I/II/III |
| MUS 117 | Introduction to Voice Studies |
| MUS 217/317 | Class Voice II/III |
| MUS 212 | Class Percussion |
| MUS 213/218 | Class Guitar I/II |
| MUS 220/320 | Beginning/Advanced Conducting |
| MUS 356/456 | Individual Music Instruction |
| MUS 480 | Independent Study in Music |

Total credits for the Performing Arts Major with Music Concentration: 42 credits

Music Minor: Students may earn a Music Minor by completing 18 credits, including 10 credits must be comprised of the following four courses: MUS 130 Music Cultures of the World, MUS 205 Theory of Music I, MUS 215 Sight Singing/Ear Training Lab I, and either MUS 235 Survey of European Art Music I or MUS 236 Survey of European Art Music II. Additional eight credits are to be determined in consultation with the music faculty. Only music courses receiving a grade of C or above will count toward the minor.

Theatre Concentration (24 credits total)

Required courses in the Theatre Concentration (18 credits total)

Through completion of these required courses, students in the Theatre Concentration gain a global perspective on the societies throughout history that fostered theatrical activity; explore the creative process of play production as inspired by the director's vision and realized by the technical staff; develop vocal and physical skills through the communicative act of performing literature; and acquire hands-on practical experience through onstage, backstage and front-of-house activities.

| | |
|--|---|
| THE 267 | World Theatre History I: Ancient to 17th Century |
| THE 268 | World Theatre History II: 17th Century to the Present |
| THE 270 | Introduction to Directing |
| THE 275 | Technical Theatre |
| THE 376 | Reader's Theatre |
| THE 392 | Theatre Practicum (3 credits) |
| Electives in the Theatre Concentration (6 credits total) | |

Through more in-depth study of history, theory and performance as offered in the following courses, students in the Theatre Concentration have the option to further explore the global spectrum of theatrical production; to investigate and experience the creative process of design; and to further develop performance skills, production techniques and a commitment to the collaborative process.

Students choose two courses from the following:

| | |
|---------|--|
| THE 269 | Asian Theatre and Performance |
| THE 271 | Advanced Directing |
| THE 272 | Introduction to Acting |
| THE 273 | Advanced Acting |
| THE 276 | Designing for the Stage |
| THE 280 | Lighting Technology & Design |
| THE 281 | Sound Technology & Design |
| THE 369 | American Theatre |
| THE 372 | Great Roles: Period Styles of Acting |
| THE 374 | Great Scripts: Period Styles of Directing |
| THE 375 | Contemporary World Theatre: Theory and Performance |
| THE 470 | Children's Theatre |
| THE 474 | Experimental Theatre and Performance |

Total credits for the Performing Arts Major with Theatre concentration: 42 credits

Theatre Minor: Students may earn a Theatre minor by completing the Required Courses section of the concentration above.

Recommended Course Sequence: Performing Arts Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|-----------|-------------------------------------|-------------------|
| ENG 100/P | College Writing | 3-5 |
| MAT *** | Math Course Beyond Algebra II | 3 |
| CSC 100 | Computer Concepts | 3 |
| MUS 100 | Fundamentals of Music | 3 |
| THE 170 | Introduction to Theatre | 3 |
| PAR 160 | Introduction to the Performing Arts | 3 |
| *** ** | General Education Requirements | 10-12 |
| | Total | 30 credits |

Second Year

| | | |
|---------|---|-------------------|
| *** ** | General Education Requirements | 12-15 |
| MUS *** | | |
| or | Courses in Area of Concentration (MUS or THE) | 12-15 |
| THE *** | | |
| *** ** | Electives | 0-6 |
| | Total | 30 credits |

Third Year

| | | | |
|--------------|-----|--|-------------------|
| *** | *** | General Education Requirements | 6-12 |
| MUS | *** | | |
| or | | Courses in Area of Concentration (MUS or THE) | 9-12 |
| THE | *** | | |
| *** | *** | Electives | 6-15 |
| Total | | | 30 credits |

Fourth Year

| | | | |
|--------------|-----|--|-------------------|
| PAR | 460 | Topics in Performing Arts | 3 |
| PAR | 487 | Senior Project in Performing Arts | 3 |
| MUS | 302 | American Popular Music* | 3 |
| or | | | |
| THE | 373 | Dramatic Theory and Criticism* | |
| MUS | *** | | |
| or | | Courses in Area of Concentration (MUS or THE) | 3-12 |
| THE | *** | | |
| *** | *** | Electives | 9-18 |
| Total | | | 30 credits |

* Writing-Intensive Courses (WRT 075)

COURSES OF INSTRUCTION: PERFORMING ARTS/FILM

FLM 101 INTRODUCTION TO FILM **3 CREDITS**

The study of film as an artistic, entertainment, and communication medium, with emphasis on its basic formal elements. Films of varying lengths from various countries will be screened and analyzed.

FLM 321 FILM APPRECIATION: AMERICAN CINEMA **3 CREDITS**

Students sharpen their visual perception, learn to discuss and analyze the content of film art, and to place film in its cultural and historical perspectives.

FLM 322 FILM APPRECIATION: WORLD CINEMA **3 CREDITS**

Students sharpen their visual perception, learn to discuss and analyze the content of film art, and to place film in its cultural and historical perspectives.

Courses of Instruction: Performing Arts/Humanities

FAH 230 FINE ARTS APPRECIATION **3 CREDITS**

An interdisciplinary course employing various modes of instruction including lecture, discussion groups, field trips and use of media. Exposes students to live experiences in the five major areas of art, dance, film, music, and theatre.

PAR 160 INTRODUCTION TO THE PERFORMING ARTS **3 CREDITS**

This course introduces students to music, theatre and dance by focusing on live performances held on campus during the semester. Students prepare for the events to be attended through lectures and discussions conducted by faculty and guest artists, and evaluate their experiences at the conclusion of each performance.

PAR 460 TOPICS IN THE PERFORMING ARTS**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

This capstone course provides students with the opportunity to develop a more focused interdisciplinary approach to the creative and interpretive processes in the performing arts. Topics vary, but are relevant to all performing arts students, regardless of one's area of concentration.

PAR 480 INDEPENDENT STUDY IN THE PERFORMING ARTS 3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Independent work in the Performing Arts

PAR 487 SENIOR PROJECT IN THE PERFORMING ARTS 3 CREDITS

PREREQUISITE: PAR 460 AND SENIOR STANDING IN THE PERFORMING ARTS PROGRAM

Students will create, present, or produce a major project appropriate to their discipline under faculty direction. The projects will be publicly displayed or performed and students will explain the contextual significance of their work in accompanying oral or written presentation. The project represents the academic and artistic culmination of the Performing Arts major.

COURSES OF INSTRUCTION: PERFORMING ARTS/MUSIC**Performance Organizations****MUS 103 CHORUS****1 CREDIT**

Note: Course may be repeated for credit.

Performance of representative choral literature for mixed voices.

MUS 106 GOSPEL CHOIR**1 CREDIT**

NOTE: Course may be repeated for credit.

Emphasis upon the singing and understanding of Gospel music. No experience or audition necessary. Performances given on and off campus. Course may be repeated for credit.

MUS 107 CONCERT BAND**1 CREDIT**

Note: Course may be repeated for credit.

Concentration on rehearsal techniques and concert performances or representative original and transcribed band literature. "Pep" Band and Ensemble personnel are selected from this organization.

MUS 113 MUSIC ENSEMBLE**0.5 CREDIT**

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: Course may be repeated for credit.

Various performance ensemble opportunities for instrumentalists and vocalists.

Introduction to Music Literature and Music History**MUS 120 INTRODUCTION TO MUSIC HISTORY****3 CREDITS**

This course provides students with an introductory historical survey of the art of music, and the opportunity to improve their listening abilities through the study of music of the Western world.

MUS 130 MUSIC CULTURES OF THE WORLD**3 CREDITS**

A survey of characteristic traditional, classical, and popular musical genres from several regions of the world. Lectures and course materials emphasize the context of musical performance among the different cultures examined.

MUS 227 ALL THAT JAZZ**3 CREDITS**

An introduction to jazz, through lecture, listening and discussion. Students will examine the cultural and musical roots of what has been called America's most original art form, trace the stylistic evolution of jazz, and consider the many ways jazz has influenced other musical genres, both in America and globally.

MUS 235 SURVEY OF EUROPEAN ART MUSIC I: ANTIQUITY TO 1750

PREREQUISITE: MUS 120 OR MUS 100

3 CREDITS

An historical survey of European art music from the Medieval through the Baroque period.

MUS 236 SURVEY OF EUROPEAN ART MUSIC II: 1750 TO THE PRESENT

PREREQUISITE: MUS 120 OR MUS 100

3 CREDITS

An historical survey of European art music from the Classical period to the present.

THEORY OF MUSIC, ELECTRONIC MUSIC AND ACOUSTICS**MUS 100 FUNDAMENTALS OF MUSIC****3 CREDITS**

This course introduces students to key concepts, terminology, and methodologies used when considering musical notation systems, as well as how to apply these concepts to musical composition.

MUS 205 THEORY OF MUSIC I**3 CREDITS**

Basic music theory and its application with instruction in written harmony, sight reading, form analysis, and composition.

MUS 206 THEORY OF MUSIC II**3 CREDITS**

Continuation of MUS 205.

MUS 215 SIGHT SINGING AND EAR TRAINING LAB I**1 CREDIT**

Lab to accompany MUS 205.

MUS 216 SIGHT SINGING AND EAR TRAINING LAB II**1 CREDIT**

Lab to accompany MUS 206.

MUS 230 EXPERIMENTAL MUSIC**3 CREDITS**

An examination of the history, techniques, and philosophy of experimental and electronic music. Composers and their works will be discussed in preparation for individual creative projects in experimental music.

MUS 250 ELECTRONIC MUSIC I**3 CREDITS**

An introduction to the electronic medium. This course emphasizes the instruction in studio procedure and the creative process.

MUS 309 THEORY OF MUSIC III**3 CREDITS**

PREREQUISITE: MUS 205 AND 206

Advanced musical analysis, including the study of chromatic harmony, and an investigation of musical forms.

MUS 350 ELECTRONIC MUSIC II**3 CREDITS**

PREREQUISITE: MUS 250 OR CONSENT OF INSTRUCTOR

A study of advanced techniques employed in the composition of electronic music. Students prepare special projects in collaboration with others in fields of art, film, and dance.

MUS 372 MULTIMEDIA COMPOSITION**3 CREDITS**

From video games to movie soundtracks, from sound installations to interactive conceptual works: students taking Multimedia composition will learn how to integrate visual elements with music.

MUSIC PERFORMANCE - CLASS INSTRUCTION**MUS 117 INTRODUCTION TO VOICE STUDIES****3 CREDITS**

This course will cover the basic principles of singing, focusing on key concepts, terminology and methodologies used when evaluating solo and ensemble singing, as well as application of these fundamental concepts to the student's own singing voice.

MUS 211 CLASS PIANO I: INTRODUCTORY LEVEL**3 CREDITS**

Introductory class piano based on basic keyboard techniques and experience for the students who have never studied keyboard instruments.

MUS 213 GUITAR CLASS I**3 CREDITS**

Basic principles of playing the guitar applied to accompanying and solo performance. Note reading, basic chords and fingerstyle accompaniment patterns are included. Students must provide their own instrument.

MUS 214 CLASS PIANO II: INTERMEDIATE LEVEL**3 CREDITS**

PREREQUISITE: MUS 211 OR CONSENT OF INSTRUCTOR

NOTE: Course may be repeated for credit.

A continuation of basic principles of piano as introduced in MUS 114 Class Piano I.

MUS 217 CLASS VOICE II**3 CREDITS**

PREREQUISITE: MUS 117 OR CONSENT OF INSTRUCTOR

Note: Course may be repeated for credit.

A study of intermediate vocal techniques as applied in solo and ensemble singing.

MUS 218 GUITAR CLASS II**3 CREDITS**

PREREQUISITE: MUS 213 AND/OR CONSENT OF INSTRUCTOR

Note: May be repeated for credit. Students with previous experience may audition for Guitar II without having taken Guitar I.

A continuation of basic principles of guitar playing as introduced in MUS 213 and an introduction to classical-style guitar playing.

MUS 220 INTRODUCTION TO CONDUCTING**3 CREDITS**

PREREQUISITE: MUS 100

Students will learn the basic concepts of how to influence sound through gesture. The physical aspect of conducting will be the focus of the course. Conventional beat patterns in simple and compound time signatures (4/4, 3/4, 2/4, 6/8) will be covered, plus use of the left hand to shape musical line and reflect non-rhythmic elements (dynamics, phrasing, breathing, articulation, cueing, etc.). Basic score study will also be included.

MUS 256 CLASS PIANO III ADVANCED LEVEL**3 CREDITS**

PREREQUISITE: MUS 214 OR CONSENT OF INSTRUCTOR.

Note: May be repeated for credit

A continuation of basic principles of piano as introduced in MUS 214 Class Piano II.

MUS 317 CLASS VOICE III: ADVANCED VOICE**3 CREDITS**

A continuation of the singing techniques learned in Class Voice II. This course addresses inherent singing issues and vocal demands required to perform selected repertoire from musical theatre literature: extreme requirements of vocal range, non-classical stage presence, recitative style singing typical in verse/refrain forms typical in classical musical theatre (i.e. Rodgers and Hammerstein, Porter, Lerner and Lowe, etc.), singing for the more contemporary musical theatre repertoire (i.e. Sondheim, Weber, Maltby and Shire, and Wildhorn), and working with an accompanist.

MUS 320 ADVANCED CONDUCTING**3 CREDITS**

PREREQUISITE: MUS 220

A continuation of Introduction of Conducting. The main focus will be on thinking critically about music and how gesture reflects the composer's and conductor's intent. The course will encompass advanced physical gestures to influence sound, in addition to musical score analysis. General rehearsal techniques, as well as techniques regarding demands specific to vocal and instrumental ensembles will be addressed.

Music Performance - Individual Instruction

Individual instruction in the study of brass, woodwind, string, percussion and keyboard instruments or voice is offered at an advanced level dealing with problems of interpretation, technique, and performance. Representative works of all major periods will be studied based on the needs of the students. Students should be concurrently enrolled in a performance ensemble when pursuing individual instruction.

Requirements

Students must successfully audition at an advanced level to be accepted for study. A performance hearing is required at the end of each semester of study. Additional fees may be necessary for Music Performance study.

MUS 356 INDIVIDUAL MUSIC INSTRUCTION**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR OR CHAIRPERSON

Problems of interpretation, technique and performance.

MUS 456 INDIVIDUAL MUSIC INSTRUCTION**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR OR CHAIRPERSON

Advanced courses in music history and literature

MUS 302 AMERICAN POPULAR MUSIC

3 CREDITS

PREREQUISITES: MUS 120 OR MUS 130

This course is an historical survey of the American popular music industry, from the early 19th century to the present. Emphasis is given to the unique relationship between popular music genres and contemporary socio-political, economic and technological developments. (Fulfills-writing intensive requirement WRT 075)

MUS 304 MUSIC OF THE 20th CENTURY

3 CREDITS

Varieties of modern music from the Post-Romantics and Impressionists to the present.

MUS 308 OPERA

3 CREDITS

Opera from the 1600's to the present. The interdisciplinary aspects of opera will be stressed, relating the components which constitute the genre: literature, music, dance, staging, lighting, costumes, history, social political and mythology.

MUS 310 MUSIC IN AMERICA

3 CREDITS

PREREQUISITE: MUS 120

Historical and cultural development of American music including study of primitive music, folk and classical traditions, jazz, and Latin American music. Specific problems and research according to individual interest.

MUS 314 FOLK MUSIC

3 CREDITS

Folk music of many different traditions is examined. Emphasis is placed upon tracing the roots of folk traditions.

MUS 330 KOREAN MUSIC AND CULTURE

3 CREDITS

Examination of Korean music in its broader cultural setting, emphasizing the inter-relationships between the role of music as an expressive, assertive, as well as reflective, form of art and various other elements, including historical, religious, political, geographical, ideological, social and international factors.

MUS 335 ENTHNOMUSICOLOGY SURVEY

3 CREDITS

PREREQUISITE: MUS 130

This course is designed to introduce students to ethnomusicology, an interdisciplinary approach to the study of music that focuses on the people who create, perform, consume and generally participate in musical expression.

ADDITIONAL COURSES

MUS 365 SPECIAL TOPICS IN MUSIC

3 CREDITS

A course in which special topics of interest in music provides the content.

MUS 370 MUSIC IN ELEMENTARY CLASSROOM I

1 CREDIT

A five-week course for elementary school pre-service teachers introducing activities for the inclusion of music in elementary school classrooms.

MUS 395 PRACTICUM IN MUSIC**CREDITS TO BE ARRANGED**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

An application of skills in course work and research in which students have the opportunity to participate in practical situations in various areas of music. Typical examples of practica include concert management, electronic and recording studio management, and piano pedagogy.

MUS 480 INDEPENDENT STUDY**CREDITS TO BE ARRANGED**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Independent investigation of literature and research in a topic area conducted under the guidance of the instructor.

MUS 490 SENIOR PROJECTS**3 CREDITS**

PREREQUISITE: PERMISSION OF INSTRUCTOR

SENIOR PROJECTS**MUS 495 INTERNSHIP IN MUSIC****CREDITS TO BE ARRANGED**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Advanced students may participate in an internship off campus or in special programs on campus, which allows them to work with qualified persons in conjunction with the faculty. These Internships may be in various areas of music such as management, performance, and teaching.

COURSES OF INSTRUCTION: PERFORMING ARTS/THEATRE**THE 170 INTRODUCTION TO THEATRE ARTS****3 CREDITS**

An investigation of the theatre arts. Discussion of the roles of the director, producer, actors, designers, dramatists, and audience. Plays will be read to serve as common ground for discussion. Students will attend plays and critique them.

THE 171 IMPROVISATIONAL THEATRE**3 CREDITS**

Students will learn techniques of improvisational acting through individual and group physical and vocal exercises, theatre games and scene work in order to free the actor's creative impulse.

THE 173 DANCE FOR THE ACTOR**3 CREDITS**

This course is an experiential introduction to dance performance techniques and vocabulary (i.e. ballet, modern, jazz, and tap) to help prepare actors to dance in shows.

THE 174 STAGE VOICE**3 CREDITS**

An introduction to the basic techniques of voice, speech and diction for the stage. Exercises in relaxation, breathing, articulation and mouth warm-up will be introduced.

THE 175 STAGE COMBAT**3 CREDITS**

A course designed to give actors and directors the skills necessary for the performance of physical acts of violence onstage in a safe and believable manner. Techniques of unarmed, rapier and dagger fighting are covered. This is an extremely physical course and participants must come prepared to move.

THE 267 WORLD THEATRE HISTORY: ANCIENT TO 17th CENTURY

3 CREDITS

Surveys production practices, audiences, and representative texts, documents, and artifacts from a global perspective. Focus on the emergence of national performance traditions within sociocultural contexts.

THE 268 WORLD THEATRE HISTORY: 17th CENTURY TO THE PRESENT

3 CREDITS

Surveys production innovations, audiences, and representative performance texts and documents. Emphasizes theatre as a site of changing concepts of “modernity.”

THE 269 ASIAN THEATRE AND PERFORMANCE

3 CREDITS

Examines traditional, modern and contemporary East Asian performance, theatre and drama, within political, sociocultural and religious contexts.

THE 270 INTRODUCTION TO DIRECTING

3 CREDITS

An introduction to directing. Interpretation, blocking, rehearsal procedures, and actor training are stressed. Scenes are directed for the class.

THE 271 ADVANCED DIRECTING

3 CREDITS

PREREQUISITE: THE 270

Contemporary scripts will be analyzed and conceptualized by student directors through written analysis, class discussions, and the staging of one-act plays as final projects.

THE 272 INTRODUCTION TO ACTING

3 CREDITS

Vocal and physical exercises, improvisations, and scenes are employed in order to master the techniques and methods of character development.

THE 273 ADVANCED ACTING

3 CREDITS

PREREQUISITE: THE 272

By presenting scenes from contemporary plays, students will further explore characterization and staging techniques learned in Introduction to Acting. Scenework may include work on monologues, dialogues and as an ensemble.

THE 275 TECHNICAL THEATRE

3 CREDITS

Lecture/discussion introduction to theatre technology. Topics include safety, tools, materials, documents and procedures for scenic construction. The subjects of lighting and sound technology and scene painting are introduced as well. This is a hands-on class that requires work hours in the theatre outside of class time.

THE 276 DESIGNING FOR THE STAGE

3 CREDITS

Explores the fundamental ideas, principles and techniques of design for the theatre, particularly scenic and costume design, through a hands-on approach.

THE 277 COMPUTERIZED DRAFTING

3 CREDITS

An introduction to the computerized drafting program SketchUp. This intuitive program allows for the creation of scaled two and three dimensional drawings. This class explores the general practices of formal drafting and involves the creation of multiple drawings designed to progressively familiarize students with the many features of this simple, but very powerful, software program.

THE 280 THEATRE LIGHTING TECHNOLOGY AND DESIGN 3 CREDITS

An introduction to theatre lighting. Topics covered will include electricity, lighting instruments, circuiting, the computer software associated with theatre lighting design, and the control of lighting instruments through both simple dimmers and task specific computers. The second portion of the class will explore the aesthetic aspects of theatre lighting design and will involve practical exercises and design projects. Hands-on work in the theatre outside of class time is an important aspect of this class.

THE 281 THEATRE SOUND TECHNOLOGY AND DESIGN 3 CREDITS

An exploration of the tools, techniques, aesthetics and technology associated with the fields of sound re-enforcement, production and design. Class will involve hands-on work with sound re-enforcement equipment and the software associated with digital sound file creation, modification and distribution. The design aspect of this class will explore how sound is used to increase the aesthetic experience of a theatre production through discussion and practical exercises.

THE 308 (ENG 308) PLAYWRITING 3 CREDITS

PREREQUISITE: ENG 100 and a 100- or 200- level literature course

Students will invent, develop, and explore their scripts in progress in a workshop format and one-on-one with the instructor. The workshop format involves readings and critiques designed to enable the students to strengthen the storyline, dramatic structure, character development, dialogue and premise through revision and transformation. The culmination of the course involves a public reading and submission of polished work to the appropriate media outlet.

THE 360 THEATRE IN THE ELEMENTARY CLASSROOM 3 CREDITS

Experientially-based course on the efficacy, importance and techniques of bringing drama into the elementary school classroom.

THE 361 MUSICAL THEATRE 3 CREDITS

PREREQUISITE: THE 272, MUS 217, or in conjunction with MUS 317

Performers will learn history, theories, and techniques involved for characterization and staging in order to support the singing of song.

THE 365 SPECIAL TOPICS IN THEATRE 3 CREDITS

Topics of interest in theatre define the content.

THE 366 STAGE MANAGEMENT 3 CREDITS

This course will explore the duties and responsibilities of the theatrical stage manager throughout the production process. Topics covered include organization, interpersonal relations, documentation, and the production process. The course includes practical hands-on group and individual exercises. Some of the required activities will take place outside of class time.

THE 369 AMERICAN THEATRE 3 CREDITS

This course positions theatre as a social institution from colonial times to the present through analysis of plays and performances alongside aesthetic and social-scientific methods. Topics include theatre's relation to democracy and national, group, and individual identity, the economics of theatre production and consumption and its relation to "celebrity culture" and the ways representational modes may reflect and shape individual perceptions and social realities.

THE 372 GREAT ROLES: PERIOD STYLES OF ACTING **3 CREDITS**

PREREQUISITE: THE 273

Study and practice in psychological, physical, and vocal approaches to scripts in major styles.

THE 373 DRAMATIC THEORY AND CRITICISM **3 CREDITS**

Surveys major theories of theatre and drama from Aristotle to the present, as well as the range of contemporary critical discourses on performance (e.g., Cultural Studies, Feminism, Performance Theory, Psychoanalysis, and Semiotics). Students will attend performances and write reviews and critical essays. (fulfills writing intensive requirement)

THE 374 GREAT SCRIPTS: PERIOD STYLES OF DIRECTING **3 CREDITS**

This course focuses on interpretation of period plays from the director's point of view. Students will explore practical problems involving research, staging, characterization, and stylistic choices.

THE 375 CONTEMPORARY WORLD THEATRE AND PERFORMANCE

3 CREDITS

Comparative approach to contemporary theatre and performance forms from different nations. Examines representative genres, styles and production practices within aesthetic and sociopolitical contexts.

THE 376 READER'S THEATRE **3 CREDITS**

Students will learn performance techniques of reading aloud using facial and vocal expressions, gestures and movement. Innovative approaches to bringing the word from page to stage will be explored leading to group performance.

THE 392 THEATRE PRACTICUM **CREDITS TO BE ARRANGED**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Forty-five hours of supervised work in some area of theatrical production either performing, backstage, or front-of-house.

THE 470 CHILDREN'S THEATRE **3 CREDITS**

Students will learn theories and techniques to develop, produce and perform theatre for young audiences (preschool through elementary school ages). The course will culminate in a production at Eastern (which may tour). Students will be expected to attend rehearsals during out-of-class times for which they may receive Practicum credit (depending on the particular production circumstances).

THE 472 AUDITIONING FOR THE STAGE & SCREEN **3 CREDITS**

PREREQUISITE: THE 273

Actors and directors will explore the selection, preparation and presentation of audition pieces (i.e. scenes, songs, and monologues) and techniques for personal interviews and cold readings as well as create resumes and a practical plan to enter the "business" and graduate school.

THE 474 EXPERIMENTAL THEATRE: THEORY & PERFORMANCE

PRE REQUISITES: THE 269, THE 270

3 CREDITS

This class explores historical and contemporary theories of experimental and avant-garde theatre and performance in a global context, with the goal of practical applications. Topics to be explored theoretically and experientially may include intercultural, bilingual, and agit-prop theatre, multi-media production and intermediality, and installation and performance art.

THE 475 THEATRE ON TOUR: SHORT STAY**3 CREDITS**

Field experience (National or International) in which students study theater, culture, and/or historical and contemporary performance, from theoretical and experiential perspectives.
Duration: One to two weeks.

THE 476 THEATRE ON TOUR: LONG STAY**3 – 6 CREDITS**

Field experience (National or International) in which students study theater, culture, and/or historical and contemporary performance, from theoretical and experiential perspectives.
Duration: Three to six weeks

THE 480 INDEPENDENT STUDY IN THEATRE**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT
CHAIRPERSON AND DEAN

An opportunity for qualified students to pursue theatrical studies beyond those offered in the listed curriculum.

THE 495 INTERNSHIP IN THEATRE**CREDITS TO BE ARRANGED**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT
CHAIRPERSON AND DEAN

Advanced students may participate in an internship off campus or in special programs on campus, which allows them to work with qualified persons in conjunction with the faculty. These internships may be in various areas of theatre such as arts management, performance in acting and directing, technical theatre, and teaching.

COURSES OF INSTRUCTION: PERFORMING ARTS**DNC 130 INTRODUCTION TO DANCE HISTORY****3 CREDITS**

A survey of Western theatrical dance—ballet, modern dance, MTV—through lectures, film, video, and studio experiences. Students will gain a broad perspective on the current dance scene, and learn to write vividly about taped and live dance performances.

The following courses may be used for HPE activity credit:

Dance: Modern

A technique that integrates the use of weight, breath, expressiveness, and rhythm.

DNC 232 MODERN DANCE I BEGINNER**1 CREDIT****DNC 233 MODERN DANCE II BEGINNER INTERMEDIATE****1 CREDIT****DNC 334 MODERN DANCE III INTERMEDIATE****1 CREDIT****DNC 335 MODERN DANCE IV ADVANCED INTERMEDIATE****1 CREDIT****Dance: Jazz**

A contemporary dance form using body isolations and rhythmic variations.

DNC 236 JAZZ DANCE I BEGINNER**1 CREDIT****DNC 237 JAZZ DANCE II BEGINNER INTERMEDIATE****1 CREDIT****DNC 338 JAZZ DANCE III INTERMEDIATE****1 CREDIT****DNC 339 JAZZ DANCE IV ADVANCED INTERMEDIATE****1 CREDIT**

Dance: Ballet

A classical form of dance training which incorporates a basic dance vocabulary.

DNC 242 BALLET I BEGINNER **1 CREDIT**

DNC 243 BALLET II BEGINNER INTERMEDIATE **1 CREDIT**

DNC 344 BALLET III INTERMEDIATE **1 CREDIT**

DNC 345 BALLET IV ADVANCED INTERMEDIATE **1 CREDIT**

DNC 330 CONCEPTS OF DANCE **3 CREDITS**

A course in movement, observation and analysis. Students will become sensitive observers of movement in the world around them, both theatrical and everyday movement, and will create a project applying a system of movement analysis (Laban studies) to an area of their own choosing.

DNC 346 IMPROVISATION **2 CREDITS**

Spontaneity and trust in one's intuitive movement response is encouraged through dance structures that explore the creative process in dance. Sources for the investigation of one's relationship to movement to self, others, and the environment are drawn from the kinetic, aural, visual, and dramatic arts.

DNC 347 DANCE WORKSHOP **3 CREDITS**

PREREQUISITES: AT LEAST TWO FULL SEMESTERS OF DANCE TECHNIQUE (MODERN, JAZZ, AND/OR BALLET)

Builds dance performance skills and provides opportunities for creative applications of materials taught.

DNC 395 PRACTICUM IN DANCE **3-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

An opportunity for students to apply dance skills in select practical situations.

DNC 445 DANCE COMPOSITION **3 CREDITS**

PREREQUISITE: DNC 346 OR CONSENT OF INSTRUCTOR

The craft of choreography is introduced and the process of creating dance is explored. Students compose and perform dance studies of their own creation.

DNC 491 INTERNSHIP IN DANCE **3-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

PHILOSOPHY

Chairperson: *William L. Newell*

Professors: *Hope K. Fitz, William L. Newell*

Minor: Philosophy

The non-degree Philosophy minor consists of PHI 120 Perspectives in Philosophy, plus at least 12 additional credits to be selected from the following:

PHI 200 Peace and Human Rights

| | |
|---------|---------------------------------------|
| PHI 210 | Asian Philosophies |
| PHI 215 | Logical Inquiry |
| PHI 220 | Ethics |
| PHI 230 | History of Early Western Philosophy |
| PHI 231 | History of Modern Western Philosophy |
| PHI 235 | Islam: The Straight Path |
| PHI 310 | Philosophy and Psychology of Religion |
| PHI 312 | The Philosophies of Mysticism |
| PHI 314 | Modern Social and Political Thought |
| PHI 320 | American Philosophy |
| PHI 330 | Existentialism and Phenomenology |
| PHI 340 | The Philosophy of War |
| PHI 365 | Special Topics |
| PHI 420 | Philosophy of Science |
| PHI 400 | Peace and Human Rights Seminar |
| PHI 480 | Independent Study |

Courses of Instruction: Philosophy

PHI 120 PERSPECTIVES IN PHILOSOPHY-AN INTRODUCTORY COURSE **3 CREDITS**

An introduction to the constructive and critical tasks in philosophy with a discussion of such problems as the origin of language, a priori knowledge, induction, the ontological status of the physical world, the mind-body problem, freedom of determinism, etc., and the diverse responses made to these problems by philosophical schools such as rationalism, empiricism, pragmatism, positivism, etc.

PHI 200 PEACE AND HUMAN RIGHTS **3 CREDITS**

This course will explore theories and practices on peace and human rights from a broadly multicultural perspective.

PHI 210 ASIAN PHILOSOPHIES **3 CREDITS**

A study of the fundamentals of Eastern philosophy and religion including Chinese philosophy Hinduism, Buddhism, Taoism and Zen, and an examination of the similarities and differences between Asian and Western viewpoints.

PHI 215 LOGICAL INQUIRY **3 CREDITS**

A study of critical reasoning, i.e., the tools needed for argument analysis and construction, and the development of skills for effective use of the tools. Both informal and formal logic are examined in this course.

PHI 220 ETHICS **3 CREDITS**

A study of the major positions in Western ethical thought from Socrates to the present, and an examination of the basic principals of moral decision which have been proposed.

PHI 230 HISTORY OF EARLY WESTERN PHILOSOPHY **3 CREDITS**

The development of Western philosophy from the pre-Socratics in Greece through Medieval Europe. Emphasis on Plato, Aristotle, Plotinus, Augustine, Anselm, Aquinas.

PHI 231 HISTORY OF MODERN WESTERN PHILOSOPHY **3 CREDITS**
The development of Western philosophy starting with Descartes, Leibniz, Berkeley, Locke, Hume, Kant, Hegel and Nietzsche.

PHI 235 ISLAM **3 CREDITS**
The course addresses the substance of the Muslim religion; Muhammad, its Prophet; the Qur'an; the Shari'ah, Muslim Law; Sufism, or Islamic mysticism.

PHI 310 PHILOSOPHY AND PSYCHOLOGY OF RELIGION **3 CREDITS**
An investigation of the phenomena of religious experience, and an analysis of religious myths and symbols in the light of contemporary philosophy, psychology, and anthropology.

PHI 312 COMPARATIVE MYSTICISMS **3 CREDITS**
This course will attempt to describe a variety of mystical phenomena, Jewish, Christian, Muslim and Buddhist, and then outline the variety of philosophical interpretations given these experiences by not only the mystics but also (and especially) the orthodox religious traditions involved.

PHI 314 (PSC 314) MODERN SOCIAL AND POLITICAL THOUGHT **3 CREDITS**
A broad introductory survey of social and political thought from Machiavelli to the emergence of modern ideologies.

PHI 316 (PSC 316) ANCIENT POLITICAL THOUGHT **3 CREDITS**
A broad survey of Ancient Thought with emphasis on Attic Tragedy, Plato and Aristotle.

PHI 320 AMERICAN PHILOSOPHY **3 CREDITS**
A study of the philosophical elements of American politics, education, religion, etc. from their beginnings in British and French thought, including Locke, Jonathan Edwards, Jefferson, Emerson, James, Pierce, Royce, Santayana, Dewey, Whitehead, etc.

PHI 330 EXISTENTIALISM AND PHENOMENOLOGY **3 CREDITS**
An inquiry into the meaning of the existentialist movement and the phenomenological method, including the writings of philosophers such as Keirkegaard, Nietzsche, Heidegger, Sartre, Buber, Marcel.

PHI 340 THE PHILOSOPHY OF WAR **3 CREDITS**
The student will deal with the philosophies of the rules of just wars, what is real, military and sacred history, psychology and art; in addition to the foundation of cultures and the myths that sustain them—all this to attempt to imagine war, since it is impenetrable to reason. The student will deal with the thought of the psychologist James Hillman, the masters of war Machiavelli and Clausewitz, and René Girard on the scapegoat and the linkage between war and religion.

PHI 365 TOPICS IN PHILOSOPHY **3 CREDITS**

PHI 370 HUMAN RIGHTS: NATURAL AND CIVIL **3 CREDITS**
Human Rights involves the claims and entitlements that encompass both endowed natural and civil rights. This course is based upon this premise and the supposition that these rights can only be expressed in a political regime which emphasized the political participation of its citizens on a basis of legally guaranteed and socially supported equality.

PHI 371 JAINISM: NONVIOLENCE AND LOVE**3 CREDITS**

In this course students will learn the way of Jain life. It is a religion, a culture and a tradition. Furthermore, it affects the social/political views of its members because it is devoted to a non-violent way of life. Jains believe that one should not harm any living being and should have the greatest compassion for all creatures.

PHI 400 PEACE AND HUMAN RIGHTS SEMINAR**3 CREDITS**

Research and analysis in topics dealing with the nature of peace and human rights and the connections between the two, viewed from a variety of disciplinary perspectives. This course serves as the capstone course for the Peace and Human Rights minor.

PHI 420 PHILOSOPHY OF SCIENCE**3 CREDITS**

A study of the logic of laws formation and theories through an analysis of description, explanation, prediction and the relationship of the latter three to regulative ideas. Both the rational and empirical roles in the scientific method will be investigated.

PHI 480 INDEPENDENT STUDY**1-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

PHYSICAL SCIENCES

Chairperson: *Timothy A. Swanson*

Assistant Chairperson: *Charles M. Wynn, Sr.*

Professor: *Charles M. Wynn, Sr.*

Associate Professors: *Darrell Koza, Zoran Pazameta, Russell Sampson, Timothy A. Swanson, John M. Toedt*

Minor: Astronomy Outreach and Public Presentation

The Astronomy Outreach and Public Presentation minor is designed to give students the necessary skills to present astronomy in a K-12 or public setting. The students will learn the science of astronomy and the fundamental technical skills for the operation of the planetarium.

Requirements:

The minor is 18 credits and a minimum grade of C is required in each class within the minor. Required courses are:

| | |
|-----|-----|
| AST | 214 |
| AST | 225 |
| AST | 226 |
| AST | 490 |
| AST | 495 |

AST 490 and AST 495 are variable-credit classes and the exact credit a student receives in these classes must be determined through consultation with the instructors. The students must take at least one of the following electives to bring the total of the minor to 18 credits: PHY 205, PHY 209, AST 360, AST 375, AST 380, or AST 480.

Minor: Physical Science

The Physical Science minor is designed to give students a foundation in the physical sciences and to enhance their career opportunities in an increasingly technical world.

Requirements

One course in chemistry at or above CHE 216

Two semesters of General Physics: PHY 204 or PHY 208 and PHY 205 or PHY 209.

AST 214 Descriptive Astronomy

or

PHY 217 Meteorology

Electives

One elective course in either chemistry, physics, or astronomy at the following levels:

Additional Chemistry, above CHE 216

Physics, above PHY 209

Astronomy, above AST 214

Minor: Physics

The physics minor is offered for students wishing to pursue a study of physics beyond that of the introductory level and to gain experience with the uses of applied mathematics in physics.

Requirements for the physics minor include a two-semester sequence in general physics with laboratory; MAT 341 Differential Equations; and two electives chosen from physics courses at the 300- level or above. CSC 355 and CSC 356 Digital Logic with Laboratory may also be used as an elective in the minor.

COURSES OF INSTRUCTION: ASTRONOMY

AST 214 DESCRIPTIVE ASTRONOMY (LECTURE AND LAB) 4 CREDITS

A nonmathematical introduction to the fundamentals and history of astronomy, and to the means by which information is obtained. Emphasis is on the practical aspects of astronomy as well as on current knowledge of the nature and evolution of objects in space and of the universe as a whole. Includes sessions in the planetarium and outdoors. Three hours lecture; one hour laboratory.

AST 225 STARS AND GALAXIES 3 CREDITS

The properties, life cycles, and unusual forms of stars are discussed, as well as their grouping into clusters. The structure and origin of the Milky Way galaxy is discussed, leading to models for other galaxies. Groupings of galaxies lead to considering the large-scale structure, origin and fate of the Universe as a whole.

AST 226 INTRODUCTION TO THE SOLAR SYSTEM 3 CREDITS

Introduction to the structure of the solar system, and to the methods and ideas used to study its history and components. The latest discoveries are incorporated into descriptions of the objects in the Solar System and into models for their evolution.

AST 360 TOPICS IN ASTRONOMY 1-6 CREDITS

Variable credits and topics in astronomy as interest warrants. May be repeated for credit.

AST 375 (MAT 375) MATHEMATICAL ASTRONOMY AND ASTROPHYSICS

PREREQUISITE: MAT 244; COREQUISITE: MAT 341

3 CREDITS

An introduction to the mathematical modeling of astronomical and astrophysical phenomena.

AST 380 TUTORIAL IN ASTRONOMY 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Small group or individual study of advanced topics in astronomy. May be repeated for credit.

AST 480 INDEPENDENT STUDY IN ASTRONOMY 1-4 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

AST 490 PLANETARIUM WORKSHOP 1-3 CREDITS

PREREQUISITES: PREVIOUS STUDY OF ASTRONOMY AND CONSENT OF INSTRUCTOR.

Planning and presenting programs in the planetarium for visiting groups and for the community. Operation of the Spitz A-4 instrument and auxiliary projectors.

AST 495 PLANETARIUM INTERNSHIP 1-6 CREDITS

PREREQUISITES: AST 490 AND PERMISSION OF PLANETARIUM DIRECTOR

Experience in off-campus planetarium, presenting and/or preparing programs. Experience in the Eastern Wickware Planetarium or in an off-campus planetarium; presenting and/or preparing programs.

COURSES OF INSTRUCTION: PHYSICAL SCIENCE/CHEMISTRY

See Courses of Instruction: Chemistry, p. 103

COURSES OF INSTRUCTION: PHYSICAL SCIENCE

PHS 101 INTRODUCTION TO THE PHYSICAL WORLD 3 CREDITS

Note: Not open to students who have completed EES 104 or AST 214.

Physical perspectives of earth as a planet: its crust, atmosphere and oceans, and environment in space. Laboratory exercises emphasizing concepts and methods of science. Two hours lecture; two hours laboratory.

PHS 302 SCIENCE, TECHNOLOGY, AND SOCIETY: AN INTEGRATED VIEW 3 CREDITS

Note: Provides perspective for students with little or no background in natural science.

Proceeds from an integrated overview of the sciences to an examination of some important applications of scientific knowledge and theory.

PHS 310 SCIENCE, TECHNOLOGY, AND SOCIETY: A STUDY TOUR 3-4 CREDITS

A multicultural approach to scientific discovery and technology. Provides opportunities for student research within a global context. Written permission of instructor required.

Courses of Instruction: Physics

PHY 102 ENERGY AND THE SCIENTIFIC METHOD 3 CREDITS

An integrated lab-lecture course designed for non-science majors in which the scientific method is studied as it is applied to the investigation of energy and its uses.

PHY 204 PHYSICS I (LECTURE AND LAB) 4 CREDITS

The basic laws and theories of physics, mechanics, heat and thermodynamics in the first semester; light and sound, electricity and magnetism, modern physics in second semester. Three hours lecture; two hours laboratory.

PHY 205 PHYSICS II (LECTURE AND LAB) 4 CREDITS

Continuation of PHY 204.

PHY 208 PHYSICS WITH CALCULUS I (LECTURE AND LAB) 4 CREDITS

Basic laws and theories of physics using calculus where applicable. Mechanics, heat and thermodynamics in the first semester; light and sound, electricity and magnetism, modern physics in the second semester. Three hours lecture; two hours laboratory.

PHY 209 PHYSICS WITH CALCULUS II (LECTURE AND LAB) 4 CREDITS

Continuation of PHY 208.

PHY 217 METEOROLOGY 3 CREDITS

How basic concepts of science are interrelated to produce various phenomena of weather. Emphasis on meteorology of the midlatitudes, weather observation and forecasting.

PHY 310 HEAT AND THERMODYNAMICS 3 CREDITS

PREREQUISITES: PHY 204 or PHY 208, MAT 244

Study of thermodynamic systems, equations of state. First and Second Laws of Thermodynamics, entropy, phase changes, black body radiation.

PHY 320 MODERN PHYSICS**3 CREDITS**

PREREQUISITES: PHY 205 OR PHY 209, MAT 244

Study of the development of modern physics including relativity, quantum theory, atomic, nuclear and particle physics.

PHY 360 TOPICS IN PHYSICS**1-4 CREDITS**

Variable credits and topics in physics as interest warrants. May be repeated for credit.

PHY 380 TUTORIAL IN PHYSICS**1-4 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Small group or individual study of advanced topics in physics. May be repeated for credit.

PHY 480 INDEPENDENT STUDY IN PHYSICS**1-4 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Credits and hours to be arranged with instructor.

POLITICAL SCIENCE

Chairperson: *William L. Newell*

Professors: *James R. Cobbledick, Nicole Krassas, Christopher Vasilopoulos*

Associate Professor: *William Salka*

Assistant Professor: *Helma G. E. de Vries*

Major: Political Science (B.A.)

Objectives

A unique major designed for those students interested in government, public administration, law and public service. The major has two tracks. The first track, for most students, consists of 12 political science courses. The second track, for students seeking certification in secondary education, allows students a range of interdisciplinary courses that will allow students to fulfill state and university certification requirements while completing the major. The Political Science major prepares the student either to begin a career upon graduation or to continue education at the graduate level in public administration, law, international relations, public policy, environmental politics, gender studies, campaign studies or political science.

Admission to the Program

Transfer students who wish to graduate from Eastern with a major in Political Science must complete at least 18 credits at Eastern applied to the Political Science Major. Each transfer student's program must be approved by the student's Political Science advisor.

All Political Science majors must maintain an overall 2.0 average in major courses and receive no more than two grades below 2.0.

Thirty hours of courses applied toward the major may not be used to satisfy any other university requirement. Hours applied to the major above 30 may also be used to satisfy requirements for a second major or minor. Section IVB of the GER is waived for majors. Six credits of political science courses can double count in the LAC and the Major.

Degree Requirements

Track I: Political Science

Required Courses:

- PSC 110: Introduction to American Government and Politics
- PSC 140: Introduction to International Relations
- PSC 208: Comparative Politics
- PSC 210: Political Science Research Methods
- PSC 460: Seminar in Political Science

Electives in U.S. Government and Politics (*Choose 3 Courses*):

- PSC 200: State and Local Politics and Government
- PSC 205: Public Administration
- PSC 215: Political Parties and Elections
- PSC 216: Interest Group Politics
- PSC 227 (WST 227): Women and Politics
- PSC 325: Politics and the Mass Media
- PSC 326 (WST 326): Politics of Race, Class and Gender

PSC 330: The Presidency
PSC 335: Legislative Politics
PSC 339: Constitutional Law I: Powers and Processes
PSC 340: Constitutional Law II: Civil Liberties
PSC 341: Judicial Process
PSC 350: Public Policy and Decision Making
PSC 351: Environmental Politics and Policy
PSC 353: Natural Resources Politics
PSC 480: Independent Study (When Topically Appropriate)
PSC 490: Municipal Government Internship
PSC 491: State Government Internship
PSC 492: Law Internship
PSC 493: National Government Internship
PSC 495: State/Local/Law Internships

Electives in Comparative Politics and International Relations (*Choose 3 Courses*):

PSC 230: Middle Eastern Politics
PSC 235: European Politics
PSC 240: Latin American Politics
PSC 250: Asian Politics
PSC 270: Former Soviet Union
PSC 305 (CAS 305): Comparative Public Administration
PSC 320: American Foreign Policy
PSC 323: Democratization
PSC 352: Global Environmental Politics
PSC 355: Nuclear Threat and Peaceful Change
PSC 480: Independent Study (When Topically Appropriate)
PSC 494: International Internship

Electives in Methods and Political Theory (*Choose 1 Course*):

PSC 212: Political Science Statistics
PSC 220: Democratic Theory
PSC 225: Organizational Theory
PSC 314 (PHI 314): Modern Social and Political Thought
PSC 316 (PHI 316): Ancient Political Thought
PSC 370 (PHI 370): Human Rights: Natural and Civil
PSC 480: Independent Study (When Topically Appropriate)

Internship or Study Abroad. All students must complete an internship or study abroad. That experience will be fit into the appropriate category and satisfy the requirement for one course in the category.

Track II: Political Science and Social Studies

This track is meant to facilitate students seeking certification to teach high school social studies. Student can only choose this option with the permission of the chair of the political science program.

Required Courses

PSC 110: Introduction to American Government and Politics

PSC 140: Introduction to International Relations or PSC 208: Comparative Politics

PSC 210: Political Science Research Methods

PSC 460: Seminar in Political Science

Electives in U.S. Government and Politics (*Choose 2 Courses*):

PSC 200: State and Local Politics and Government

PSC 205: Public Administration

PSC 215: Political Parties and Elections

PSC 216: Interest Group Politics

PSC 227 (WST 227): Women and Politics

PSC 325: Politics and the Mass Media

PSC 326 (WST 326): Politics of Race, Class and Gender

PSC 330: The Presidency

PSC 335: Legislative Politics

PSC 339: Constitutional Law I: Powers and Processes

PSC 340: Constitutional Law II: Civil Liberties

PSC 341: Judicial Process

PSC 350: Public Policy and Decision Making

PSC 351: Environmental Politics and Policy

PSC 353: Natural Resources Politics

Electives in Comparative Politics and International Relations (*Choose 1 Course*):

PSC 230: Middle Eastern Politics

PSC 235: European Politics

PSC 240: Latin American Politics

PSC 250: Asian Politics

PSC 270: Former Soviet Union

PSC 305 (CAS 305): Comparative Public Administration

PSC 320: American Foreign Policy

PSC 323: Democratization

PSC 352: Global Environmental Politics

PSC 355: Nuclear Threat and Peaceful Change

Electives in Methods and Political Theory (*Choose 1 Course*):

PSC 212: Political Science Statistics

PSC 220: Democratic Theory

PSC 225: Organizational Theory

PSC 314 (PHI 314): Modern Social and Political Thought

PSC 316 (PHI 316): Ancient Political Thought

Electives in Social Studies Certification Courses (*Choose 4 Courses*):

ANT 106: Cultural Anthropology or ANT 221: Native Americans or

ANT 337: Urban Anthropology

ECO 100: Political Economy & Social or ECO 200: Macroeconomics

GEO 100: Introduction to Geography

HIS 120: Early American History
 or
 HIS 121: Recent American History
 or
 HIS 310: Great Issues: Survey in U.S. History
 HIS 231: Western Civilization since 1500
 PSY 100: General Psychology
 SOC 100: Introduction to Sociology

Recommended Course Sequence: Political Science Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | |
|---|-------------------|
| Liberal Arts Curriculum or General Education Requirements | 21 |
| PSC 110 American Government and Politics | 3 |
| PSC 140 International Relations | 3 |
| PSC 210 Political Science Research Methods | 3 |
| Total | 30 Credits |

Second Year

| | |
|---|-------------------|
| Liberal Arts Curriculum or General Education Requirements | 12-15 |
| PSC 2**/3** Political Science Elective | 3 |
| PSC 2**/3** Political Science Elective | 3 |
| PSC 2**/3** Political Science Elective (or Skills if TII) | 3 |
| PSC 2**/3** Political Science Elective (or Skills if TII) | 3 |
| Minor | 3-6 |
| Electives | 5-18 |
| Total | 30 Credits |

Third Year

| | |
|---|-------------------|
| Liberal Arts Curriculum or General Education Requirements | 4-7 |
| PSC 2**/3** Political Science Elective | 3 |
| PSC 2**/3** Political Science Elective | |
| PSC 2**/3** Political Science Elective (or Skills if TII) | 3 |
| Minor | 3-6 |
| Electives | 5-18 |
| Total | 30 Credits |

Fourth Year

| | |
|---|-------------------|
| General Education Requirements | 3-6 |
| PSC 2**/3** Political Science Elective | 3 |
| PSC 460 Seminar in Political Science | 3 |
| Minor | 3-6 |
| PSC 4XX Political Science Internship | 6-15 |
| Electives or Liberal Arts Curriculum or | |
| Total | 30 Credits |

Minor: Political Science

To earn a Political Science minor, a student must take 24 credits of political science courses. Seven of the 24 credits may also be used to satisfy the requirements of the General Education Requirements, the Liberal Arts Curriculum or a major or second minor when appropriate.

Required Courses

- A. PSC 110
- B. PSC 140 or PSC 208
- C. Six 200- to 400- level electives in Political Science

Transfer students must complete at least nine political science credits in course applied to the minor at Eastern in a program approved by the student's political science advisor. The cumulative grade point average in courses applied toward the Political Science minor must be 2.0 or better.

Courses of Instruction: Political Science

PSC 110 AMERICAN GOVERNMENT AND POLITICS **3 CREDITS**
Basic introductory course in political science and the American political process. Both institutional and behavioral aspects of American government will be examined.

PSC 140 INTERNATIONAL RELATIONS **3 CREDITS**
Political science and international relations. By means of the conflict-resolution approach, major influences shaping nation-state relations will be analyzed.

PSC 200 STATE AND LOCAL POLITICS AND GOVERNMENT **3 CREDITS**
State and local governments and their institutional arrangements and processes. Particular attention will be given to local governments in Connecticut.

PSC 205 PUBLIC ADMINISTRATION **3 CREDITS**
PREREQUISITE: PSC 110 AMERICAN GOVERNMENT AND POLITICS
Introduction to public administration. Surveys executive branch and independent agencies and their efforts to shape and implement legislation and public policy.

PSC 208 COMPARATIVE POLITICS **3 CREDITS**
A comparison of various political processes and structures among selected countries designed to identify and highlight significant differences among various political models and practices.

PSC 210 POLITICAL SCIENCE RESEARCH METHODS **3 CREDITS**
The purpose of this course is to provide students with practical experience utilizing a variety of methodologies commonly employed to do research about politics. This course emphasizes computer technology to teach quantitative and qualitative research skills.

PSC 212 POLITICAL SCIENCE STATISTICS **3 CREDITS**
This course is designed to provide students with a working knowledge of the various quantitative methods available to analyze data and test hypotheses of interest to political scientists. The objective is to help students understand the logic behind statistics so that they may use them appropriately.

PSC 215 POLITICAL PARTIES AND ELECTIONS **3 CREDITS**
American political parties and their structure and relationship to the electoral and governmental system. Past electoral behavior and the techniques for analyzing and predicting elections. Particular attention will be given to the Connecticut party system including statutes governing the state's elections and parties.

- PSC 216 INTEREST GROUP POLITICS** **3 CREDITS**
This course provides a comprehensive study of interest groups nationally and internationally, with a strong emphasis on the United States. The focus of the course is on interest group activity, social movements and changes that have occurred over time.
- PSC 220 DEMOCRATIC THEORY** **3 CREDITS**
An examination of the historical, economic, social, political and logical conditions for the development and success of democracies.
- PSC 225 ORGANIZATIONAL THEORY** **3 CREDITS**
A study of organizations from the point of view of effectiveness, efficiency and their internal dynamics.
- PSC 227 (WST 227) WOMEN AND POLITICS** **3 CREDITS**
This course will examine the role of women in politics from participation to representation. Students will evaluate the role that women have played over time in the development of our political system.
- PSC 230 MIDDLE EASTERN POLITICS** **3 CREDITS**
Major political and economic tension points in the Middle East today with emphasis on why and how these tensions have emerged.
- PSC 235 EUROPEAN POLITICS** **3 CREDITS**
This course will look at European politics on both the state and continental level. On the state level, this will entail examining the political systems of a number of European countries, most commonly the United Kingdom, Germany, France and Italy. On the continental level, the history, structure and continued development of the European Union, the primary institution of European integration, will be studied.
- PSC 240 LATIN AMERICAN POLITICS** **3 CREDITS**
Current trends in the political development of selected Latin American nations.
- PSC 250 ASIAN POLITICS** **3 CREDITS**
Political systems of the major Asian states and China, Japan, and India.
- PSC 265 TOPICS IN POLITICAL SCIENCE** **3 CREDITS**
PREREQUISITE: CONSENT OF INSTRUCTOR
Note: Course may be repeated with a change of topic.
Special areas of interest in studies in political science.
- PSC 270 FORMER SOVIET UNION** **3 CREDITS**
A comparative analysis of Tsarist, Soviet and Post-Soviet political systems.
- PSC 305 (CAS 305) COMPARATIVE PUBLIC ADMINISTRATION** **3 CREDITS**
An examination of the substantive and procedural processes of the administrative sectors of the U.S. and Canadian governments. Employs a comparative methodology to illustrate the growing interdependence of policy formation and administrative practice. To explore how economic interdependence implies the conveyance of the administrative practice of the trading partners.

- PSC 314 (PHI 314) MODERN SOCIAL AND POLITICAL THOUGHT** **3 CREDITS**
A broad introductory survey of social and political thought from Machiavelli to the emergence of modern ideologies.
- PSC 315 AMERICAN SOCIAL AND POLITICAL THOUGHT** **3 CREDITS**
A broad introduction to political and social thought from the colonial period to contemporary America.
- PSC 316 (PHI 316) ANCIENT POLITICAL THOUGHT** **3 CREDITS**
A broad survey of Ancient Thought with emphasis on Attic Tragedy, Plato and Aristotle.
- PSC 320 AMERICAN FOREIGN POLICY** **3 CREDITS**
Formulation and execution of American foreign policy since the end of the Second World War.
- PSC 323 DEMOCRATIZATION** **3 CREDITS**
This course focuses on the process of democratization, when nations shift from a non-democratic organizational model to a democratic one. It will expose students to some of the theoretical controversies, practical issues, and normative considerations that surround the process of democratization by focusing on the transitions of a set of nations. The course will be both historical and dynamic in nature.
- PSC 325 POLITICS AND THE MASS MEDIA** **3 CREDITS**
This course explores diverse forms of political communication through the mega-institution known as the mass media. The course provides an overview of the role of media in politics from the news to popular culture.
- PSC 326 (WST 326) POLITICS OF RACE, CLASS AND GENDER** **3 CREDITS**
This course provides perspectives on identity politics, the complex interaction between the categories of race, class, gender and ethnicity. Students will examine the role that race, class, gender and ethnicity play in our politics on a personal, local and national level.
- PSC 330 THE PRESIDENCY** **3 CREDITS**
From campaigns to administrations and Congressional relations to media coverage, the course takes a historical perspective on the development of the whole office of the presidency.
- PSC 335 LEGISLATIVE POLITICS** **3 CREDITS**
This course examines the role of Congress in the politics of legislation. It covers the creation of legislation, the role of committees and the influence of elections on the behavior of elected representatives. A key focus of the course is on the concept of representation and the responsibility of elected representatives to their constituents.
- PSC 339 CONSTITUTIONAL LAW I: POWERS AND PROCESSES** **3 CREDITS**
An overview of the American constitutional system with a focus on the nature and scope of the powers granted to the federal government.
- PSC 340 CONSTITUTIONAL LAW II: CIVIL LIBERTIES** **3 CREDITS**
An overview of the American constitution with a focus on the rights and liberties of American citizens.

PSC 341 JUDICIAL PROCESS**3 CREDITS**

An examination of the role of law, judicial procedures, and legal thought in the American system of government.

PSC 345 ELECTORAL POLITICS**3 CREDITS**

An investigation of American electoral politics through readings and participation in an election campaign. Students will work for a candidate in a local, state, or national election and write an analytical report on the election.

PSC 350 PUBLIC POLICY AND DECISION-MAKING**3 CREDITS**

Public policy decision-making including study of the multiple approaches to the analysis of decision-making with case examples.

PSC 351 ENVIRONMENTAL POLITICS AND POLICY**3 CREDITS**

An examination of the evolution and impacts of environmental policy within the context of American government. Focus primarily on pollution control policy and energy issues, and their impacts on politics and society.

PSC 352 GLOBAL ENVIRONMENTAL POLITICS**3 CREDITS**

An examination of the interaction among international actors when addressing global environmental issues. The roles of individuals, nation states, international organizations, and non-governmental organizations are examined.

PSC 353 NATURAL RESOURCE POLITICS**3 CREDITS**

This course examines the issues involved in natural resource politics in the United States. Particular attention is paid to public lands management and energy policy.

PSC 355 THE NUCLEAR THREAT AND PEACEFUL CHANGE**3 CREDITS**

An examination of the nuclear arms race and an analysis of the various negative and positive peace approaches for the containing or elimination of the nuclear threat.

PSC 365 TOPICS IN POLITICAL SCIENCE**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: Course may be repeated with a change of topic.

Special areas of interest in advanced studies in political science.

PSC 370 (PHI 370) HUMAN RIGHTS: NATURAL AND CIVIL

Human Rights involves the claims and entitlements that encompass both endowed natural and civil rights. This course is based upon this premise and the proposition that these rights can only be expressed in a political regime which emphasizes political participation of its citizens on a basis of legally guaranteed and socially supported equality.

PSC 460 SEMINAR IN POLITICAL SCIENCE**3 CREDITS**

This course will provide a capstone experience where students will examine relevant political topics in great depth. The course is geared for advanced students with a basic understanding of political systems and democratic principles.

PSC 480 INDEPENDENT STUDY**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Research and analysis of a topic of concern to political scientists.

PSC 490 MUNICIPAL GOVERNMENT INTERNSHIP**6-15 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Internship in a municipality in Connecticut. Students will work under the direction of a municipal government official.

PSC 491 STATE GOVERNMENT INTERNSHIP**6-15 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Students work full time for a state government agency. Interns will report on a regular basis to their faculty and prepare an analytical report on their internship.

PSC 492 LAW INTERNSHIP**6-15 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Students work full time with a public law agency under the direction of an attorney or paralegal. Interns report on a regular basis to their advisors. An analytical report on their internship is required.

PSC 493 NATIONAL GOVERNMENT INTERNSHIP**3-15 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Internship program in one of the major branches of the American national government. Placement usually in Washington D.C. Interns will report regularly to their faculty advisor and prepare an analytical report on their internship.

PSC 494 INTERNATIONAL INTERNSHIP**3-15 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

An overseas internship program in which the faculty advisor and student work closely together to formulate each project. Interns will report regularly to their faculty advisor and prepare an analytical report on their internship.

PSC 495 STATE/LOCAL/LAW INTERNSHIP**3 - 15 CREDITS**

PREREQUISITE: PERMISSION OF INSTRUCTOR

This course provides an opportunity for students doing local, state or law internships to complete the academic component of their internship. Students meet as a group with the faculty supervisor on a regular basis and complete assignments.

PSYCHOLOGY

Chairperson: *Peter D. Bachiocchi*

Professor: *Peter D. Bachiocchi, Luis A. Cordón, Jeffrey S. Danforth*

Associate Professors: *Carlos Escoto, Wendi Everton, Deidre Fitzgerald, Margaret Letterman*

Assistant Professors: *Alita J. Cousins, James Diller, Melanie Evans, Madeleine Fugère, Jennifer Leszczynski, Lyndsey Lanagen-Leitzel*

Major: Psychology (B.A.)

Mission Statement

The mission of the Department of Psychology is to develop students who have an understanding of behavior through the framework provided by the science of psychology while maintaining high standards. Psychology students will learn critical thinking skills and demonstrate an understanding of the importance of empiricism. Students will demonstrate the knowledge, abilities, and skills of psychology and a respect for the diversity of behavior and its influencing variables in preparation for careers or advanced study. Consistent with the University's liberal arts mission, written work is a required component of all psychology courses.

Admission to the Program

All students requesting admission to the major should contact the chairperson of the Psychology Department. The student will then be assigned an advisor within the department.

Degree Requirements

1. All majors must complete a minimum of 39 credits in psychology, exclusive of PSY 100.
2. Students must complete the five courses listed under Psychology Requirements (PSY 101, PSY 217, PSY 227, PSY 327, PSY 419) with a grade of C or better.
3. Majors either follow the General Psychology curriculum or, as an alternative, choose a concentration in the Psychology of Children and Youth or Industrial-Organizational Psychology.
4. A minimum of 18 credits of psychology must be completed in residence at Eastern.
5. A minimum overall Grade Point Average (G.P.A.) of 2.3 in psychology courses is required for graduation with a major in psychology. Students may not include PSY 100 or Special Program courses in the calculation of the G.P.A. Thus, students are not allowed to use PSY 100, 480, 490, 491, 496, 497 or 498 in computing this required G.P.A. It is further noted that students should maintain a minimum 3.0 G.P.A. in the major to be considered for graduate studies in psychology.
6. All psychology majors must take the psychology comprehensive exam and exit survey prior to graduation

Psychology Requirements

1. All majors are required to take the following five courses:

| | |
|---------|--------------------------------------|
| PSY 101 | Introduction to the Psychology Major |
| PSY 217 | Research Methods I |
| PSY 227 | Behavioral Science Statistics |
| PSY 327 | Research Methods II |
| PSY 419 | History and Systems of Psychology |

2. Psychology: The General Psychology Curriculum

The general psychology curriculum is chosen by students who desire to have a broad training in psychology. It is also appropriate for students who desire to continue their education at the graduate level within a Department of Psychology and for students who plan to study beyond the Master's level in any field of psychology. This curriculum offers students the greatest flexibility in terms of course selection.

The minimum 39 hours of course work in psychology (exclusive of PSY 100) completed by students following the General curriculum must include the six courses listed under Psychology Requirements and the course requirements listed below.

Foundation Courses: Six credits

Please select a minimum of two of the following courses:

| | |
|---------|------------------------|
| PSY 202 | Social Psychology |
| PSY 205 | Principles of Learning |
| PSY 301 | Abnormal Psychology |

or

| | |
|---------|---|
| PSY 302 | Psychopathology of Childhood |
| PSY 303 | Industrial or Organizational Psychology |
| PSY 320 | Theories of Personality |

Developmental: Three credits

Please select a minimum of one of the following courses:

| | |
|---------|--------------------------------------|
| PSY 204 | Psychology of the Infant and Toddler |
| PSY 206 | Psychology of Childhood |
| PSY 208 | Psychology of Adolescence |
| PSY 210 | Psychology of Adult Development |

Biological Bases of Behavior: Three credits

Please select a minimum of one of the following courses:

| | |
|---------|--------------------------|
| PSY 318 | Sensation and Perception |
| PSY 418 | Physiological Psychology |
| PSY 430 | Human Neuropsychology |

Advanced Courses: Six credits

Please select a minimum of two of the following courses:

| | |
|---------|----------------------------------|
| PSY 306 | Cognitive Psychology |
| PSY 407 | Learning II: Theories and Issues |

- PSY 410 Psychological Tests and Measurements
 PSY 450 Clinical and Counseling Psychology
 PSY 460 Seminar in Psychology
 or
 PSY 480 Independent Study
 or
 PSY 496 Psychology Field Experience
 or
 PSY 497 Psychology Field Experience: Individualized

Plus one elective: Three credits

Required Course: Three credits

- PSY 402 Current Research in Child Psychology
 or
 PSY 409 Current Research in Psychology

Recommended Course Sequence

First year

- PSY 100 General Psychology
- PSY 101 Introduction to the Psychology Major
- 200- level courses from the Foundations or Developmental Courses (see list above)
- GER Courses - Mathematics LAC Courses should be taken during the first year.

Second year

- PSY 227 Behavioral Science Statistics
- 200- level courses from the Foundations or Developmental Courses (see list above)
- LAC Courses
- Other Electives
- Complete Writing Competency Requirement* - Need to complete before Research Methods II

Third year

- PSY 217 Research Methods I
- PSY 327 Research Methods II (students must complete PSY 217 and PSY 227 with a grade of C or better before taking PSY 327)
- PSY 200- and 300- level courses from the Foundations, Developmental, Biological or Advanced Courses (see list above)
- LAC Courses and Electives

Fourth year:

- PSY 402 Current Research in Child Psychology or PSY 409 Current Research in Psychology
- PSY 419 History & Systems of Psychology
- 300- and 400- course from: Foundations, Developmental, Biological or Advanced Courses
- Electives

3. Psychology Concentration: Psychology of Children and Youth

As an alternative to the General Psychology curriculum, psychology majors may elect to pursue a concentration in the Psychology of Children and Youth. The Psychology of Children and Youth concentration offers a strong foundation in current theory and research in the field of child psychology. This concentration will be of interest to students planning careers in areas such as child therapy, child advocacy, education, or school psychology. The concentration is also appropriate for students planning to enter graduate school in child psychology or related areas.

The minimum 39 hours of course work in psychology (exclusive of PSY 100) completed by students following the concentration in the Psychology of Children and Youth must include the five courses listed under Psychology Requirements (PSY 101, PSY 217, PSY 227, PSY 327, PSY 419). In addition, students must satisfy the course requirements listed below.

Recommended course to meet LAC

BIO 202/203 Human Biology (Lecture/Lab)

Required Courses

PSY 205 Principles of Learning
PSY 302 Psychopathology of Childhood
PSY 402 Current Research in Child Psychology

Child Development

Students must complete two courses from the following list:

PSY 204 Psychology of the Infant and Toddler
PSY 206 Psychology of Childhood
PSY 208 Psychology of Adolescence

Professional Courses

Students must complete three courses from the following list:

PSY 300 Educational Psychology
PSY 306 Cognition
PSY 325 Health Psychology
PSY 407 Learning II
PSY 410 Psychological Tests and Measurements
PSY 418 Physiological Psychology
PSY 430 Human Neuropsychology
PSY 460 Seminar in Psychology
or
PSY 480 Independent Study
or
PSY 496 Psychology Field Experience
or
PSY 497 Psychology Field Experience: Individualized

Recommended Course Sequence

First year

- PSY 100 General Psychology
- PSY 101 Introduction to the Psychology Major
- One of two Child Development Courses:
 - PSY 204 Psychology of the Infant and Toddler
 - PSY 206 Psychology of Childhood
 - PSY 208 Psychology of Adolescence
- LAC Tier I Courses - Mathematics LAC Courses should be taken during the first year.

Second year

- PSY 227 Behavioral Science Statistics (Take before or at same time as 217)
- PSY 205 Principles of Learning
- One of two Child Development Courses:
 - PSY 204 Psychology of the Infant and Toddler
 - PSY 206 Psychology of Childhood
 - PSY 208 Psychology of Adolescence
- LAC Tier II Courses
- Other Electives
- Complete Writing Competency Requirement* - Need to complete before Research Methods II

Third year

- PSY 217 Research Methods I (Take after or at same time as 227)
- PSY 327 Research Methods II (students must complete PSY 217 and PSY 227 with a grade of C or better before taking PSY 327)
- PSY 302 Psychopathology of Childhood
- One or two “Professional Courses” (see list above)
- LAC Courses and Electives

Fourth year

- PSY 402 Current Research in Child Psychology
- PSY 419 History & Systems of Psychology
- One or two “Professional Courses” (see list above)

4. Psychology Concentration: Industrial-Organizational Psychology

As an alternative to the General Psychology curriculum, psychology majors may elect to pursue a concentration in Industrial Organizational Psychology. The Industrial Organizational Psychology Concentration is designed to help prepare students planning to enter organizations where knowledge of Industrial-Organizational psychology is useful (e.g., personnel, organizational research, consumer psychology) or students who wish to attend graduate school in Industrial/Organizational Psychology. Students will learn how to apply the psychological principles in the workplace that enable them to recruit, hire, train, appraise, lead, and motivate employees as well as how to work within and facilitate groups and teams.

The minimum 39 hours of coursework in Psychology (exclusive of PSY 100) completed by students following the Concentration in Industrial Organizational Psychology must include the five courses listed above under Psychology Requirements (PSY 101, PSY 217, PSY 227,

PSY 327, PSY 402/409, PSY 419). In addition, students must satisfy the course requirements listed below:

Required Courses

| | |
|---------|--|
| PSY 202 | Social Psychology |
| PSY 303 | Industrial and Organizational Psychology |
| PSY 409 | Current Research in Psychology |
| PSY 410 | Psychological Tests and Measurements |

Specialized Courses

Students must complete three courses from the following list:

| | |
|---------|---|
| PSY 203 | Groups and Teams |
| PSY 304 | Job Satisfaction and Motivation |
| PSY 305 | Leadership in Organizations |
| PSY 308 | Psychology of Social Change |
| PSY 320 | Theories of Personality |
| PSY 403 | Seminar in Diversity at Work |
| PSY 404 | Measuring Work Behavior |
| PSY 460 | Seminar in Psychology |
| or | |
| PSY 480 | Independent Study |
| or | |
| PSY 496 | Psychology Field Experience |
| or | |
| PSY 497 | Psychology Field Experience: Individualized |

Plus one elective: 3 credits

Recommended Course Sequence

First year

- PSY 100 General Psychology
- PSY 101 Introduction to the Psychology Major
- PSY 202 Social Psychology
- LAC Tier I Courses - Mathematics GER Courses should be taken during the first year.

Second year

- PSY 217 Research Methods I
- PSY 227 Behavioral Science Statistics
- PSY 303 Industrial Organizational Psychology
- LAC Tier II Courses
- Other Electives
- Complete Writing Competency Requirement* - Need to complete before Research Methods II

Third year

- PSY 327 Research Methods II (students must complete PSY 217 and PSY 227 with a grade of C or better before taking PSY 327)
- 2 Specialized I/O courses (see list above)
- LAC Courses and Electives

Fourth year:

- PSY 409 Current Research in Psychology
- PSY 419 History & Systems of Psychology
- One Specialized I/O course (see list above)
- Electives

Minor: Psychology

The Psychology minor consists of 18 credits (excluding PSY 100) which shall include nine credits from one of the three psychology concentrations (General, Child, or Industrial-Organizational). A minimum of 12 credits in psychology must be completed in residence at Eastern.

Behavior Analysis Certification Preparation

Eastern offers preparation in Behavior Analysis for careers, graduate school, and national certification at the Associate level. Behavior Analysis courses are open to both Psychology and other majors. Courses may also fulfill major requirements. Certain sections of the following courses have been approved by the Behavior Analyst Certification Board (BACB, Inc.) as meeting the coursework requirements for eligibility to take the Board Certified Associate Behavior Analyst Examination (see www.BACB.com):

1. PSY 205: Principles of Learning
2. PSY 480: Independent Study in Behavior Change: Behavioral Interventions
3. PSY 407: Learning II

Students seeking certification in Behavior Analysis should contact Dr. Deirdre Fitzgerald, the Behavior Analysis course coordinator, to develop a plan of study. Students preparing for certification must meet additional requirements beyond the coursework.

Cognitive Neuroscience Individualized Major

The Psychology Department, in conjunction with several other departments, offers an individualized major in Cognitive Neuroscience. Cognitive Neuroscience explores the relationship between the brain, cognitions (thought processes), emotions, and behaviors using a variety of methods. Some examples of the different disciplines and areas of research include but are not limited to Psychology, Biology, Biochemistry, Mathematics, and Computer Science.

Honor Society

Each semester, students are recognized for distinguished academic achievement by being invited to join Psi Chi, the National Honor Society for Psychology. Information regarding qualifications can be found on the psychology department web page.

Courses of Instruction: Psychology

PSY 100 GENERAL PSYCHOLOGY

3 CREDITS

Surveys the methods, findings, and theories of scientific psychology. Research methods, neuroscience, human development, learning, sensation and perception, cognition, motivation, personality, abnormal behavior, social behavior and industrial/organizational psychology will be covered. Students are required to participate in psychological research or to complete an alternative writing assignment.

PSY 101 INTRODUCTION TO THE PSYCHOLOGY MAJOR

1 CREDIT

PREREQUISITE: PSY 100

Introduction to the academic and professional aspects of the field and an overview of careers in psychology. The course will develop skills for success in the major including introduction to APA style, critical thinking, research, library research, and information acquisition for psychology. Students will be introduced to careers in psychology and how to create documents needed to secure employment or gain admission into graduate programs.

PSY 202 SOCIAL PSYCHOLOGY

3 CREDITS

PREREQUISITE: PSY 100

Survey of theory and research in social psychology including topics such as attitudes, social perception, interpersonal attraction, aggression, social behavior, social influence and behavior in groups.

PSY 203 GROUPS AND TEAMS

3 CREDITS

This course will explore the dynamics of groups and teams. Course content will include the similarities of and differences between groups and teams, and the dynamics experienced by groups and teams such as cooperation/competition, communication, conflict, and social influence. Topics will be presented in the context of lecture, discussion, and in-class exercises.

PSY 204 PSYCHOLOGY OF THE INFANT AND TODDLER

3 CREDITS

PREREQUISITE: PSY 100

A comprehensive overview of infant and toddler development and major issues involved in understanding the impact of culture and the family upon very young children, focusing on the ages from birth through age 3. Major content areas will include motor, cognitive, language, temperament, social and emotional development.

PSY 205 PRINCIPLES OF LEARNING

3 CREDITS

PREREQUISITE: PSY 100

Basic current principles of learning. Application to both normal and abnormal behavior, individual and social situations. Behavioral treatment of diverse problems will be studied.

PSY 206 PSYCHOLOGY OF CHILDHOOD

3 CREDITS

PREREQUISITE: PSY 100

The social, emotional, moral and gender-role development of children will be studied in the context of their interrelationships and such variables as peer acceptance, parental child-rearing patterns, sibling status, socioeconomic status and school experience. The focus is on children approximately ages 4 through 12.

PSY 207 MENTAL RETARDATION**3 CREDITS**

PREREQUISITE: PSY 100

An introduction to mental retardation and allied behavior with emphasis on behavioral concepts and methods. Analysis of research and case histories in behavior modification. Supervised field experience (Monday evenings) with people classified as mentally retarded.

PSY 208 PSYCHOLOGY OF ADOLESCENCE**3 CREDITS**

PREREQUISITE: PSY 100

Adolescent patterns of development and the major issues involved in understanding the impact of culture upon the teenager. An examination of the influence of family, neighborhood, school, peers and the mass media. The focus is on youth approximately ages 12 through young adulthood.

PSY 210 PSYCHOLOGY OF ADULT DEVELOPMENT**3 CREDITS**

PREREQUISITE: PSY 100

The factors affecting individual development during early, middle, and late adulthood. Topics to be studied include personality and cognitive development, intimacy and intimate relationships, parenthood, mid-life crisis, vocational development, misconceptions and realities of aging, and end-of-life issues.

PSY 217 RESEARCH METHODS I**3 CREDITS**

PREREQUISITE: PSY 100

This course provides an overview of behavioral research including developing hypotheses, research methodologies (experimental, quasi-experimental, co-relational and single case), conducting library research, writing in the style of the American Psychological Association and an introduction to basic statistics. Students will read scholarly journal articles. The culminating activity of the course will be a research proposal for an independent research project that may be conducted in PSY 327 Research Methods II. Completion of PSY 227 or MAT 216 recommended.

PSY 227 BEHAVIORAL SCIENCE STATISTICS**4 CREDITS**

PREREQUISITE: PSY 100 AND SUCCESSFUL COMPLETION OF UNIVERSITY MATH REQUIREMENTS

An introduction to descriptive and inferential methods used to evaluate psychological research. Topics include measures of central tendency, sampling distributions, variability, probability, and hypothesis testing. Emphasis upon computation and psychological applications of correlational procedures, t-tests, ANOVA, and an introduction to non-parametric statistics and regression analysis. Statistical Package for the Social Sciences (SPSS) will be used.

PSY 300 EDUCATIONAL PSYCHOLOGY**3 CREDITS**

PREREQUISITE: PSY 206 OR PSY 208

Factors affecting the learning process in school. Course covers aims of educative process, evaluation of individual differences, personality factors, intelligence, achievement, educational test construction, motivation, problem-solving, concept formation, teacher attitudes, critical incidents in classroom, school and community.

PSY 301 ABNORMAL PSYCHOLOGY**3 CREDITS**

PREREQUISITES: PSY 100

Description and interpretation of various disorders of feeling, thinking and behaving included in the DSM-IV. Clinical and experimental data will be applied to selected theoretical issues.

PSY 302 PSYCHOPATHOLOGY OF CHILDHOOD**3 CREDITS**

PREREQUISITE: PSY 206 OR PSY 208

This course provides a description and interpretation of childhood psychological disorders. Areas of study include definitions of disordered behavior, pathology within the context of normal development, assessment strategies, and a focused examination of variables that influence internalizing and externalizing child psychological disorders.

PSY 303 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY **3 CREDITS**

PREREQUISITE: PSY 100

The industrial situation defined in human terms. Analysis of roles and social systems, job satisfaction, psychological factors influencing productivity, personnel selection, placement and evaluation, fatigue, accident prevention, market research, advertising, job analysis and classification, and organizational structure.

PSY 304 JOB SATISFACTION AND MOTIVATION**3 CREDITS**

PREREQUISITES: PSY 100 AND PSY 303 OR CONSENT OF INSTRUCTOR

This course will cover the theories that help to explain why people like (or dislike) their jobs and how they can be motivated to perform more effectively. The course will also cover how satisfaction and motivation are measured and the types of programs that can be designed to improve both satisfaction and motivation. The role of satisfaction and motivation in recruiting and retaining employees will also be discussed.

PSY 305 LEADERSHIP IN ORGANIZATIONS**3 CREDITS**

PREREQUISITE: PSY 100 AND PSY 303 OR CONSENT OF INSTRUCTOR

This course will introduce students to key theories of leadership (traits, behaviors, situational, etc.), the process of leadership, and the desirable and undesirable outcomes of leadership. Through activities and studies of historic leaders, students will also gain a better understanding of their own leadership capability.

PSY 306 COGNITIVE PSYCHOLOGY**3 CREDITS**

PREREQUISITE: AT LEAST SIX HOURS OF PSYCHOLOGY ABOVE 100 LEVEL

This course is an introduction to the scientific study of human cognition. Cognition is a broad term referring to the many types of information processing which the brain/mind accomplishes. Course topics include an introduction to cognitive psychology, sensation and perception, attention, memory, language, problem solving, reasoning, and decision making.

PSY 308 PSYCHOLOGY OF SOCIAL CHANGE**3 CREDITS**

Psychological factors affecting institutional change. Deals with political and social movements, ideologies, nationalism, psychology of war and peace, problems of urbanization and industrialization.

PSY 315 (WST 315) PSYCHOLOGY OF GENDER**3 CREDITS**

Examines the biological and psychological development of sex differences. It explores the research and controversies in the areas of intelligence, ability, and personality, and includes the historical and current feminist perspectives.

PSY 318 SENSATION AND PERCEPTION**3 CREDITS**

PREREQUISITE: PSY 100

An introduction to the study of sensory system processes and their relations to perception. Visual and auditory systems will be emphasized; other areas to be covered include the cutaneous and chemical senses.

PSY 320 THEORIES OF PERSONALITY**3 CREDITS**

PREREQUISITES: PSY 100

A scientific study of research methods, assessment and core tenets of personality theories. The content will include an overview of the Trait, Biological, Psychodynamic, Humanistic, Cognitive, Cultural and Behavioral theories.

PSY 325 HEALTH PSYCHOLOGY**3 CREDITS**

PREREQUISITE: PSY 100

Health psychology is a diverse and rapidly growing field that applies psychological principles to all aspects of health behavior. This course examines the theoretical, empirical, and historical bases for health psychology, as well as the ways in which it is currently applied by health professionals. Topics covered will include the effects of stress, the determinants of addictive behavior, the impact of psychological factors on physical health, doctor-patient relationships, and the causes and treatment of chronic pain.

PSY 327 RESEARCH METHODS II**4 CREDITS**

PREREQUISITE: C OR BETTER IN PSY 217 AND PSY 227

Research Methods II is a continuation of Research Methods I (PSY 217) and focuses on providing in-depth coverage of research methodologies including co-relational and experimental designs. Students will carry out independent undergraduate-level research projects (typically those proposed in PSY 217). This course covers the conception and implementation of co-relational and experimental research, ethics, statistical analyses and the writing of research reports in APA style. Students will gain practical experience in research through lab assignments in research design, statistics and SPSS.

PSY 330 EVOLUTIONARY PSYCHOLOGY**3 CREDITS**

This class explores how the human mind and behavior have been shaped by evolution. The focus will be on why the mind is shaped the way it is and the functions different psychological mechanisms serve. Topics covered: natural selection, sexual selection, evolutionary arms races, female and male mate choice (and how they are different/similar), good genes sexual selection, pregnancy sickness, family relationships, cooperation, emotion and aggression.

PSY 402 CURRENT RESEARCH IN CHILD PSYCHOLOGY**3 CREDITS**

PREREQUISITE: PSY 227

In-depth study of recent research on child and adolescent behavior. Primary journal research articles in areas of child development, pathology, therapy, and family influences will be analyzed in terms of theoretical foundations, experimental rigor, and practical application.

PSY 403 SEMINAR IN DIVERSITY AT WORK**3 CREDITS**

PREREQUISITE: PSY 100 AND PSY 303 OR CONSENT OF INSTRUCTOR

Students will explore the challenges of leading and motivating employees with different backgrounds. Research on affirmative action, sexual harassment, prejudice and discrimination, managing diversity, and multiculturalism will be discussed. Definitions of diversity will be expanded to include differences in communication styles, personalities, physical disabilities, sexual orientation, and family situations.

PSY 404 MEASURING WORK BEHAVIOR**3 CREDITS**

PREREQUISITE: PSY 100 AND PSY 303 OR CONSENT OF INSTRUCTOR

This course will explore how and why work behaviors are measured. Topics include the testing of job applicants, measuring/appraising performance on the job, measuring employee attitudes/morale, and measuring the behavior of work groups. The word "behavior" will be broadly defined to include all of the above.

PSY 407 LEARNING II: THEORIES AND ISSUES**3 CREDITS**

PREREQUISITE: PSY 205 OR CONSENT OF INSTRUCTOR

Examination of classic and current theories of learning and their intellectual antecedents. In-depth examination of Pavlovian and operant conditioning and the aversive control of behavior, including controversial issues, theoretical issues, unresolved problems, and representative application.

PSY 409 CURRENT RESEARCH IN PSYCHOLOGY**3 CREDITS**

PREREQUISITE: PSY 227

In depth study of recent research in psychology. Primary journal articles in areas of neuroscience, human development, learning, cognition, motivation, personality, abnormal behavior, social behavior, and industrial-organizational psychology will be analyzed in terms of theoretical foundations, experimental rigor, and practical application.

PSY 410 PSYCHOLOGICAL TESTS AND MEASUREMENTS**3 CREDITS**

PREREQUISITE: PSY 227 OR ONE STATISTICS COURSE

The measurement of human behavior through psychological testing. Considers construction and use of psychological tests, methods of determining reliability and validity, and current issues in psychological testing. Introduction to tests of intelligence, achievement, interest and personality.

PSY 418 PHYSIOLOGICAL PSYCHOLOGY**3 CREDITS**

PREREQUISITES: 9 CREDITS OF PSYCHOLOGY OR CONSENT OF INSTRUCTOR

An examination of the physiological processes underlying behavior. Analysis of stimulus reception through sensory processes, electrical and chemical aspects of the nerve impulse, cortical functioning and control, effector mechanisms, sleep and wakefulness, developmental synthesis of behavior, and the physiological components of motivation and emotion.

PSY 419 HISTORY AND SYSTEMS OF PSYCHOLOGY**3 CREDITS**

PREREQUISITES: 9 CREDITS OF PSYCHOLOGY OR CONSENT OF INSTRUCTOR

The historical development of psychology as a science. Critical examination of the classical systems of psychology, their philosophical antecedents, and contemporary developments.

PSY 430 HUMAN NEUROPSYCHOLOGY**3 CREDITS**

PREREQUISITE: PSY 100

Study of the organization of the nervous system, functional neuroanatomy, neuropathology, neurological disorders, behavioral neurology, and clinical neuropsychology.

PSY 450 CLINICAL AND COUNSELING PSYCHOLOGY**3 CREDITS**

PREREQUISITE: PSY 320

Students will learn basic skills and techniques of different empirically-supported therapies and assessment methods through class discussions and activities. Students will also review and critically discuss other applied aspects important in the fields of Counseling and Clinical Psychology. This course will not include practicing counseling and clinical skills with patients in a field placement setting.

PSY 460 SEMINAR IN PSYCHOLOGY**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: May be repeated with change of topic.

In-depth study of specific topic in psychology utilizing primary sources and relevant psychological literature.

SPECIAL PROGRAMS: NOTE FOR PSY 480, 490, 496, 497, AND 498

These courses are for second-semester juniors and seniors with a minimum grade point average of 3.0 in psychology. Students may earn a total of six credits taking any combination of the above courses to be applied to the 35-credit requirement for majors. Under exceptional circumstances, a student may apply for up to six credits for any of the listed courses. Registration is dependent upon availability of placements in various outside agencies; a placement cannot be guaranteed in any given semester.

You may repeat Special Programs courses as often as you like, but only three credits count towards your specific concentration, and only six credits may count towards the 35 credits you need to graduate with a BA in psychology. You may use as many credits as you like to meet the Eastern graduation requirement of 120 credits.

PSY 480 INDEPENDENT STUDY**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Supervised research on acceptable psychological topic with associated readings. An honors course for seniors and second semester juniors. Term research project.

PSY 490 TEACHING ASSISTANTSHIP**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: Open only to advanced students with departmental approval.

Students serve as teacher's aides, usually in first- and second-year classes or assist faculty with research.

PSY 491 RESEARCH ASSISTANTSHIP**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Students will assist faculty members with their research. By assisting in current research project(s), the student will gain experience in one or more of the following: research design, data collection, data entry using SPSS, data analysis, and/or the interpretation of data.

PSY 496 PSYCHOLOGY FIELD EXPERIENCE: GROUP SUPERVISION**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

A field placement in a mental health setting such as a hospital, clinic, human service agency, group home, school counseling office, or specialized classroom. The student acquires knowledge regarding methods of intervention and the treatment philosophy of the placement agency by participating in an observational and supportive role. Students participating in the practicum are obligated for the equivalent of one day per week.

PSY 497 PSYCHOLOGY FIELD EXPERIENCE: INDIVIDUALIZED

PREREQUISITE: CONSENT OF INSTRUCTOR

3 CREDITS

A field placement in a mental health setting such as a hospital, clinic, human service agency, group home, school counseling office, or specialized classroom. The student acquires knowledge regarding methods of intervention and the treatment philosophy of the placement agency by participating in an observational and supportive role. Students participating in the practicum are obligated for the equivalent of one day per week.

PSY 498 RESEARCH FIELD EXPERIENCE**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

A field placement intended to develop research skills by allowing the student to participate in the programs of a selected agency or department which is actively involved in research. By assisting in a current research project or projects, the student will gain experience in one or more of the following: research design, the collection and analysis of data, and/or the interpretation of data. Students participating in the practicum are obligated for the equivalent of one day per week.

PUBLIC POLICY AND GOVERNMENT*See Political Science*

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

Chairperson: *Theresa Severance*

Professor: *Margaret Martin, Andrew Nilsson, James W. Russell*

Associate Professors: *Dennis Canterbury, Kimberly Dugan, Mary Kenny, Eunice Matthews-Armstead, Ricardo Perez, Theresa Severance, Robert J. Wolf*

Assistant Professors: *Cara Bergstrom-Lynch, William Lugo, Nicholas Parsons*

Major: Sociology

Theresa Severance, Coordinator

Objectives

The Sociology major is designed to contribute to the overall intellectual and personal development of liberal arts students and provide them with backgrounds useful for careers in a variety of fields. Graduates are employed in community, business, and organizational settings, and attend graduate school in sociology, social work, law, and other fields. Practicum and internship courses give students an opportunity to gain experience in one or more field placement settings to complement classroom instruction.

Admission to the Program

Students wishing to major in Sociology should apply through the Department Chairperson prior to the junior year to facilitate planning a sequence of required and elective courses. Transfer students should apply to the Chairperson of the Department when they request admission to the University.

Degree Requirements

| | |
|------------|--|
| SOC 100 | Introduction to Sociology |
| SOC 300 | Sociological Theory |
| SOC 350 | Methods of Social Research |
| SOC 351 | Statistics for Social Research |
| SOC 400 | Senior Seminar |
| SOC/ANT*** | 18 credits of electives, up to six of which may be ANT, the remainder to be SOC courses. |

The student should come as close as possible to the following sequence:

| | |
|----------------|---------------------|
| Freshman year | SOC 100 |
| Sophomore year | No required courses |
| Junior year | SOC 300, 350 |
| Senior year | SOC 351, 400 |

Recommended Course Sequence, Major in Sociology (B.A.)

Check all courses for prerequisites before planning course schedule.

First Year

| | | |
|---------|--------------------|---|
| ENG 100 | College Writing | 3 |
| MAT *** | Math beyond ALG II | 3 |

| | | |
|---------|--------------------------------|-------------------|
| CSC 100 | Computer Concepts | 3 |
| SOC 100 | Introduction to Sociology | 3 |
| | General Education Requirements | 18-27 |
| | Total | 30 credits |

Second Year

| | | |
|---------|--------------------------------|-------------------|
| | Foreign Language requirement | 0-6 |
| SOC *** | One or two SOC courses | 3-6 |
| | General Education Requirements | 12-21 |
| | Total | 30 credits |

Third Year

| | | |
|---------|--------------------------------|-------------------|
| SOC 300 | Sociological Theory | 3 |
| SOC 350 | Methods of Social Research | 3 |
| SOC *** | One or two SOC courses | 3-6 |
| | General Education Requirements | |
| | Sociology Major Requirements | |
| | Total | 30 credits |

Fourth Year

| | | |
|---------|--------------------------------|-------------------|
| SOC 351 | Statistics for Social Research | 3 |
| SOC 400 | Senior Seminar | 3 |
| SOC *** | SOC elective credits to total | 18 |
| | Total | 30 credits |

In order to graduate with a B.A. in Sociology, a student must have an overall average of 2.0 in both the set of required courses listed above and in all of the courses which are counted toward the major.

Minor: Criminology

The Criminology minor examines the nature of criminal law, the causes and consequences of criminal behavior, and societal responses to crime and offenders. The influence of social inequality and diversity on crime-related issues is also highlighted. Students with career interests in both the adult and juvenile systems-including law enforcement, court systems, and corrections-as well as those wishing to pursue graduate or law degrees, will find the Criminology minor an excellent base.

The Criminology minor consists of 18 credits.

Required Courses: 9 credits

| | |
|---------|-------------------------------|
| SOC 101 | Criminal Justice and Society |
| SOC 309 | Criminology |
| SOC 375 | Seminar and Field Instruction |
| or | |
| SOC 490 | Internship in Criminology |

Crime Topics Electives: 6 credits

Choose any two:

| | |
|---------|---------------------------|
| SOC 209 | Juvenile Delinquency |
| SOC 220 | Sociology of Corrections |
| SOC 310 | Women and Crime |
| SOC 318 | Violence in Relationships |
| SOC 325 | Law and Society |
| ANT 358 | Anthropology of Violence |

Social Inequality/Diversity Electives: 3 credits

Choose one:

| | |
|---------|--|
| SOC 208 | Gay, Lesbian and Bisexual Lives |
| SOC 240 | Sociology of Gender |
| SOC 250 | Social Inequality |
| SOC 307 | Deviance |
| SOC 312 | Sociology of Mental Illness |
| ANT 225 | Contemporary Puerto Rican Culture |
| ANT 240 | Latinos in the United States |
| ANT 345 | Transnational, Racial, and Ethnic Identity |

Other courses may be considered for equivalency or substitution for any of the above courses with the permission of the Coordinator of the Criminology minor.

Minor: Anthropology

Associate Professors: *Mary Kenny, Ricardo Perez*

The Anthropology minor helps the student understand cultures throughout the world. The study of cross-cultural issues is important for many fields, and anthropology has long been recognized as a leading discipline in the development of concepts and knowledge regarding culture, prehistory, evolution and linguistics. The Anthropology minor is an ideal complement to many majors, including history, psychology, sociology, political science, communications, economics, and business administration. Anthropology is an excellent background for those who wish to develop careers or have graduate education in policy, development, teaching, or other service professions.

The Anthropology minor consists of 15 credits, which must include ANT 106 (Introduction to Cultural Anthropology) and any 12 additional anthropology credits.

Minor: Sociology

15 credits labeled SOC, of which only three credits may be at the 100 level, and nine credits of which must be at the 300 level or above, are required for the Minor.

Courses of Instruction: Sociology and Applied Social Relations/Anthropology

ANT 106 CULTURAL ANTHROPOLOGY

3 CREDITS

Analysis of culture patterns of different societies, both preliterate and modern. Theoretical consideration of development of humans as cultural beings.

ANT 125 INTRODUCTION TO ARCHAEOLOGY 3 CREDITS

Introduces students to key archaeological concepts, methods, sites, cultures around the world. Spans the time from the emergence of human beings to the dawning of the modern era, with special attention to the development of agriculture, urbanism, and social differentiation in many societies. Provides an overview of the methods archaeologists use to gain information about the intangible aspects of societies-including class structure and religious beliefs-by analyzing material culture.

ANT 201 (CAS 201) INTRODUCTION TO CANADIAN STUDIES 3 CREDITS

This course is an overview of Canadian society and culture. A fundamental question to consider is why and how Canada developed as it did and evolved into a nation whose values and social, political, and economic systems are in contrast to that of the United States.

ANT 221 NATIVE AMERICANS 3 CREDITS

Introduces the student to the cultures of the indigenous peoples and nations of North America, with an emphasis on the Native Americans (American Indians) who are within the United States. The course includes readings, lectures, videos and discussion. The topics include pre-historical and contemporary ethnographic material.

ANT 222 (CAS 222) NATIVE PEOPLES OF CANADA 3 CREDITS

This course explores the cultures of the native people of Canada, including the Indians, Inuits and Metis from prehistory to the present. The course will involve readings, lectures, films, the writing of papers and class participation.

ANT 225 CONTEMPORARY PUERTO RICAN CULTURE AND SOCIETY 3 CREDITS

This course provides a comprehensive analysis of the historical, cultural, and political aspects shaping contemporary Puerto Rican society. It explores Puerto Rico's current relationship with the United States and considers the factors promoting Puerto Rican migration to the United States mainland. It emphasizes the significant role that culture plays in maintaining and negotiating Puerto Rican identity, both in the island and the Diaspora. The course involves lectures, video presentations, and invited speakers.

ANT 240 LATINOS IN THE U.S. 3 CREDITS

Presents a comparative perspective of the history and culture of the most representative Latino groups in the United States, namely Mexicans, Puerto Ricans, and Cubans. Considers the situations of other Latino groups, (Dominicans, Colombians, Guatemalans, etc.) whose populations have increased considerably in the last decade. Introduces students to the analysis of the histories of Latino immigration to the United States and more recent debates pertaining to the construction and maintenance of Latino identities in the Diaspora.

ANT 337 URBAN ANTHROPOLOGY 3 CREDITS

This course explores selected topics in urban anthropology through readings, lectures, discussions, films, and speakers. Examines the current literature on the theories, ethnographic methods, and case studies of urbanization in selected communities of Latin America, Africa, Asia and North America.

ANT 340 (CAS 340) CANADIAN HEALTH**3 CREDITS**

This course is an examination of issues in the Canadian health system. Topics also include medical anthropology in Canada, bilingualism, health issues of Native Canadians (Inuits, Aleuts, etc.), and immigration. The purpose of this course is to explore Canadian society, especially in reference to its health care system, and its ideas of health, illness, and governmental responsibility.

ANT 345 RACE, ETHNICITY AND TRANSNATIONAL IDENTITY 3 CREDITS

Explores the formation of transnational, national, racial, and ethnic identity in a number of settings. Readings will explore the global economic, social, cultural, and political forces that contribute to identity formation, as well as immigration, culture change, xenophobia, and cultural fundamentalism.

ANT 358 ANTHROPOLOGY OF VIOLENCE**3 CREDITS**

Through ethnographic case studies, autobiographies and films we will examine violence, the evolution, impact, and consequences of ethnic conflict, torture, genocide and inter-group conflict and competition. We will examine how notions of national, ethnic, racial, and religious identities are manipulated in order to foment violence, and the consequences of violence in local communities. Overall, we examine the meaning given to violence at a local level and the association between “culture” and violence.

This course serves as an elective course for fulfillment of the Criminology minor.

ANT 364 MEDICAL ANTHROPOLOGY**3 CREDITS**

This course explores the theories and methods of medical anthropology, the study of human health in cultural and environmental context. The course involves readings, lectures, films, guest lectures, field trips to health agencies and the writing of papers. The final papers will involve research into an aspect of culture and its impact on disease and health.

ANT 365 SPECIAL TOPICS**3 CREDITS**

PREREQUISITE: Consent of the Instructor

ANT 479 SUMMER ARCHAEOLOGICAL FIELD SCHOOL**6 CREDITS**

The Field School offers training in pre and post-contact Native American archaeology. The Field School includes intensive excavation, systematic subsurface testing, mapping, photography, artifact processing, and ethnohistoric research.

Courses of Instruction: Sociology and Applied Social Relations/Sociology**SOC 100 INTRODUCTION TO SOCIOLOGY****3 CREDITS**

Note: SOC 100 is required of all majors.

An introduction to sociological concepts and their application to the analysis of social behavior. Major areas of emphasis are socialization of the individual, groups, culture, social interaction, social structure, and social change.

SOC 101 CRIMINAL JUSTICE AND SOCIETY**3 CREDITS**

Sociological and historical survey of justice. Emphasis on Western justice and roles of judiciary, state police and municipal police. Cannot be taken by students who have taken CRJ 101.

SOC 107 SOCIAL PROBLEMS**3 CREDITS**

A critical examination of social problems through readings, discussion, and student research. Topics may include racism, poverty, sexism, health, and welfare.

SOC 174 (HIS 174, PSC 174, FYR 174) RESOURCES, RESEARCH AND RESPONSIBILITIES**1 CREDIT**

This class is designed to introduce students to academic skills, university resources, and student life and encourage them to be involved and responsible members of the university community. Specific skills include reading for comprehension, effective note taking, writing skills, and research, both traditional (library self-resources) and innovative (Internet, databases, etc.), with emphasis on the skills necessary for success in specific discipline. Areas of student campus life including autonomy, wellness, decision making, time management, and maturity in dealing with people of different traditions, backgrounds and identities will be included, with emphasis placed on the relationship between these issues and academic success.

SOC 200 PERSONALITY AND SOCIAL STRUCTURE**3 CREDITS**

Examines the development, nature, and importance of the self as both product of, and basis for, social interaction, and the relationship of the self to social structure. Looks at the articulation of the individual, groups, society, and culture.

SOC 208 (WST 208) GAY, LESBIAN, AND BISEXUAL LIVES**3 CREDITS**

The class is an exploration into a range of topics in the lives of gay, lesbian, and bisexual people and the society and culture in which they exist. Topics may include: definitions; historical context; transgender issues; social movement emergence; identity issues; identity politics; reactions of society to gay people; information about homosexuality; understanding of attitudes and policies towards gays; family issues; gay culture, community, and diversity. Helps students to understand and relate to the diversity of gay, lesbian, and bisexual persons in everyday life.

SOC 209 JUVENILE DELINQUENCY**3 CREDITS**

Legal and social definitions, measurement, changing patterns, types of offenses, and theories to explain juvenile delinquency. Juvenile justice, corrections, and innovations in treatment examined with a view toward long-term improvement in existing methods of social control.

SOC 212 (WST 212) MARRIAGE AND THE FAMILY**3 CREDITS**

Changes in the structure of family life and patterns of child rearing, and developments affecting contemporary living.

SOC 220 SOCIOLOGY OF CORRECTIONS**3 CREDITS**

Study of modern system of incarceration, role of courts, parole board, citizen groups and modern philosophy of corrections.

SOC 240 SOCIOLOGY OF GENDER**3 CREDITS**

This course analyzes gender as a social construction, including cross-cultural perspectives on gender and the gendered interactions and structures of social life. Topics may include: how gendered bodies are made, maintained, and challenged; dynamics of masculinities and femininities; the role the state plays in regulating gender; and how worlds of work and families create and reinforce gendered constructions. Intersections of race, sexuality, social class, and gender are emphasized throughout.

SOC 250 SOCIAL INEQUALITY**3 CREDITS**

The meaning of social inequality based on factors such as class, race, gender, ethnicity, sexual orientation, and other forms of social differentiation. Examination of socially constructed inequality as it affects the individual and the social structure.

SOC 275 THE SOCIOLOGY OF GLOBALIZATION**3 CREDITS**

Studies historical and current social, political, economic and cultural globalization of the capitalist system.

SOC 276 CARIBBEAN SOCIAL STRUCTURE**3 CREDITS**

A critical study of Caribbean social structure focusing on political, economic, and social settings primarily in the English-speaking countries in the region.

SOC 300 SOCIOLOGICAL THEORY**3 CREDITS**

A theoretical analysis of major concepts, schools of thought, and thinkers in sociology, with stress on the integration of theory and application.

SOC 301 QUALITATIVE METHODS**3 CREDITS**

An investigation of non-quantitative methods of studying sociological phenomena. Methods include case studies, in-depth interviews, genograms, non-interval scale analysis, unobtrusive measures, and ethnology. Research and applied uses of methods are included.

SOC 307 DEVIANCE**3 CREDITS**

Behaviors labeled as deviant in American society, such as alcohol abuse, sexual deviance, violence, and mental illness; effects of the labeling process on “deviants” and on society as a whole. Sociological theories of deviant behavior are presented and assessed.

SOC 309 CRIMINOLOGY**3 CREDITS**

An examination of social definitions of and responses to crime, and of the incidence, theories of causation, characteristic patterns, and treatment of criminal behavior.

SOC 310 (WST 310) WOMEN AND CRIME**3 CREDITS**

Examines the involvement of women and girls in the criminal justice system from a sociological perspective. Explores a variety of issues relevant to women and girls as victims, offenders, and working professionals within the criminal justice system.

SOC 312 SOCIOLOGY OF MENTAL ILLNESS**3 CREDITS**

Examines relationships between physiological and sociological “causes” of mental illness. Views the process of becoming mentally ill, being treated, and being released from the hospital. The consequences of these processes are examined.

SOC 325 LAW AND SOCIETY**3 CREDITS**

An investigation of the role and function of legal systems in society. Cultural and ethical bases of law, with particular emphasis on United States, Constitutional Law, and First Amendment and Fourteenth Amendment cases.

SOC 340 SOCIOLOGY OF WORLD RELIGIONS**3 CREDITS**

This course examines major world religions from historical and current perspectives and, also, the functions of religions in various cultures. Emphasis is placed on the interrelationships between religions and their host states as well as religion and other social institutions.

SOC 347 (WST 347) BLACK WOMEN'S STUDIES**3 CREDITS**

This course examines the complex experience of being a Black woman in America. It addresses such topics as identity, Black feminism, Black/White sisterhood, social mobility, and activism from a socio-historical perspective.

SOC 350 METHODS OF SOCIAL RESEARCH**3 CREDITS**

Note: Open only to majors in Sociology and Applied Social Relations or Social Work.

Designed to familiarize students with various methodological techniques of sociological and social work research. Students may undertake research and gather and analyze data.

SOC 351 STATISTICS FOR SOCIAL RESEARCH**3 CREDITS**

Note: Open only to majors in Sociology and Applied Social Relations or Social Work.

Focuses on descriptive and inferential statistics used in sociology, social work and anthropology. Sampling procedures are explored. Non-parametric statistics are considered. Students are introduced to the statistical package SPSS.

SOC 355 LATIN AMERICA: STRUCTURE, CHANGE, AND DEVELOPMENT**3 CREDITS**

Analysis of the development of economic, social and political structures in Latin America. Topics include pre-Columbian structures, feudal and colonial legacies, dependency, development and revolutionary change.

SOC 356 AMERICA LATINA: ESTRUCTURA, CAMBIO Y DESAROLLO**3 CREDITS**

This is SOC 355 taught in Spanish.

SOC 357 THE SOCIOLOGY OF DEVELOPMENT**3 CREDITS**

This course undertakes a study of the theories of development, underdevelopment, and post-development. It introduces students to the problems of social, political and economic development globally.

SOC 358 SOCIOLOGY OF LABOR**3 CREDITS**

A critical study of labor-capital relations in the capitalist labor process that explores the relationship between the production of goods and services and the reproduction of domestic and personal relations.

SOC 373 COLLECTIVE BEHAVIOR AND SOCIAL MOVEMENTS 3 CREDITS

PREREQUISITE: SOC 100

The course focuses on how people act together to pursue collective political goals through extra-institutional means-when and why people go outside of the conventional political system to address issues important to them. The course will familiarize students with scholarly research and theories pertaining to the study of social movements and collective behavior, allow for an understanding of the significance of social movement and collective action for social change, and introduce students to field research methods that allow for examination of contemporary movements.

SOC 375 SEMINAR AND FIELD INSTRUCTION IN SOCIOLOGY 6 CREDITS

PREREQUISITES: SOC 200, 350, AND CONSENT OF INSTRUCTOR.

Note: Open only to majors in Sociology and Applied Social Relations and Criminology minors.

Intensive field experience two days a week in a variety of applied settings, including mental health facilities, correctional institutions, alcohol and drug rehabilitation programs, and community organizations, as well as other settings.

SOC 400 SENIOR SEMINAR

3 CREDITS

Note: Open only to majors in Sociology and Applied Social Relations who have completed 90 credits. Fills writing-intensive course requirement.

An integration of knowledge acquired by the students, assessing skills and insights acquired for use and application in the community.

SOC 465 (WST 465) STUDIES IN SOCIOLOGY

3 CREDITS

PREREQUISITE: CONSENT OF THE INSTRUCTOR MAY BE REQUIRED FOR SOME OFFERINGS. MAY BE REPEATED FOR CREDIT WITH A TOPIC CHANGE.

Advanced investigation and analysis of selected topics in Sociology and Applied Social Relations. Topics to be determined by student request and/or instructor interest.

SOC 480-481 INDEPENDENT STUDY

1-6 CREDITS EACH

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON REQUIRED.

Enrollment is limited. Credits to be arranged. Independent investigation of literature and research in a topic area conducted under the guidance of the instructor.

SOC 490 INTERNSHIP IN APPLIED SOCIOLOGY OR CRIMINOLOGY I

3-6 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON REQUIRED.

A maximum of 15 credits in the field can be counted toward the degree in Sociology and Applied Social Relations. Credits to be arranged. Practical experience in the relevance of sociological or criminological concepts in applied settings under supervision of university faculty and field personnel.

SOC 491 INTERNSHIP IN APPLIED SOCIOLOGY OR CRIMINOLOGY II

3-6 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON REQUIRED

A maximum of 15 credits in the field can be counted toward the degree in Sociology and Applied Social Relations. Credits to be arranged. Practical experience in the relevance of sociological or criminological concepts in applied settings under supervision of university faculty and field personnel.

SOC 492 INTERNSHIP IN SOCIOLOGY

3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIRPERSON REQUIRED.

Working with a faculty member in conducting an academic course offered by the Department. Student may present lectures, conduct discussions, lead study groups, and/or work with individual students.

SOC 493 INTERNSHIP IN SOCIAL RESEARCH

3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR REQUIRED.

Practical experience in the conduct of social research under the supervision of a faculty instructor.

Major: Social Work

Margaret E. Martin, *Field Coordinator*

Andrew T. Nilsson, *Program Coordinator*

Objectives

The Social Work major leading to a Bachelor of Arts degree in Social Work (B.S.W.) combines a liberal arts perspective with professional foundation content including social work values and ethics, diversity, social and economic justice, populations-at-risk, human behavior and human rights, social welfare policy and services, social work practice, research, and field work experience. It prepares effective generalist social workers who advance human well-being, draw upon client strengths in practice, empower the oppressed, and are committed to the promotion of social justice. The Social Work Program is accredited by the Council on Social Work Education. Additional information about the Social Work Program is available on the program's web site at www.easternct.edu/programs/sociology/socialwork.

Social Work Program

Admission to the Social Work Major

Admission to the social work major is competitive and is not guaranteed by admission to Eastern Connecticut State University. Students should apply for admission to the major following completion of approximately 45 credits, including SWK 200 or an equivalent course. Transfer students are encouraged to contact the Program Coordinator to discuss their plan of study.

Application decisions are based on:

- Completion of SWK 200 Introduction to Social Work or an equivalent course and at least four of the five social work foundation areas.
- Grade Point Average, with special attention given to grades earned in liberal arts foundation and professional foundation courses. Applicants should have an overall GPA of at least 2.3 (C+). Since admission to the Social Work major is based on a variety of variables in addition to GPA, all students with a strong desire to be social workers are encouraged to apply.
- Number of social work program liberal arts foundation areas completed (at least four required)
- Evidence of the applicant's commitment to the ideals and practice of the social work profession
- The applicant's potential for enriching diversity in the Social Work Program through life experience or membership in an underrepresented demographic group
- Personal behavior and classroom performance demonstrating likelihood for adherence to the ethical expectations and obligations of professional social work practice as contained in the National Association of Social Workers Code of Ethics.

Application forms for admission to the social work major may be obtained from the Social Work Program office or from the program's web site. Admissions materials should be submitted to the Social Work Program Coordinator by January 31 in order to begin the social work major the following fall semester.

Social Work Program Academic Requirements and Expectations

The Social Work Program recognizes its responsibility as gatekeeper to the profession to insure the safety of clients who will be served by program graduates. Academic standards enforced by the program, therefore, include both competence in social work knowledge, values, and skills as demonstrated by students' classroom and field agency performance; and classroom, university, field agency, and community behavior reflecting responsibility, moral awareness, self-understanding, and concern for the welfare of others. Students must earn a grade of "C" or better in all required SWK courses beyond the liberal arts foundation level. Grades of less than "C" in the listed courses may delay admission into further courses in the sequence of study or suspension or dismissal from the social work major. Violation of Social Work Program academic standards including scholastic, ethical, and conduct standards in the classroom, a field placement, the University, or the community will result in a review of the student's performance in the Social Work Program and may result in dismissal from the social work major.

Required Courses and Recommended Course Sequence

Freshman/Sophomore years (Pre-Social Work Major)

Pre-social work majors should complete as many as possible of the following foundation areas prior to seeking admission to the Social Work Program. Completion of at least four of the five areas below in addition to SWK 200 is required for program admission.

- **Sociological foundation:** A course or courses providing a foundation for understanding the organization and functioning of human societies, social institutions, and groups. Typical courses used to fulfill this requirement include: SOC 100 Introduction to Sociology, SOC 300 Sociological Theory
- **Anthropological foundation:** A course or courses providing a foundation for understanding and appreciation of diverse human ways of life and cultural perspectives. Typical courses used to fulfill this requirement include: ANT 106 Cultural Anthropology, ANT 337 Urban Anthropology
- **Human biology foundation:** A course or courses providing a foundation for understanding the biological bases of human physical development and behavior. The course typically used to fill this requirement is BIO 202 Human Biology.
- **Psychological foundation:** A course or courses providing a foundation for understanding the psychology of individual perception and behavior. The course typically used to fulfill this requirement is PSY 100 General Psychology
- **American government foundation:** A course or courses providing a foundation for understanding the American political system and government. Courses typically used to fulfill this requirement include: PSC110 American Government and Politics, PSC 200 State and Local Politics and Government.
- SWK 200 Introduction to Social Work (required for program admission)

Recommended: A statistics course

JUNIOR YEAR (Social Work Major)

Fall semester

- SWK 311 Social Environment and Human Behavior
(Pre/co-requisites: SOC 100, ANT 106 or equivalents)
- SWK 325 Social Welfare Policy
(Pre/co-requisite PSC 110 or equivalent)
- SWK 330 Research for Social Work I

Spring semester

- SWK 300 Generalist Practice with Communities and Organizations
(Prerequisites: SWK 311, SWK 325)
- SWK 312 Human Behavior and the Social Environment
(Pre/co-requisites: PSY 100, BIO 202 or equivalents)
- SWK 333 Research for Social Work II (4 credits)

SENIOR YEAR

Fall semester

- SWK 320 Generalist Practice with Individuals and Families
- SWK 350 Field Instruction and Seminar I (6 credits)
(SWK 320 and SWK 350 must be taken concurrently. Prerequisites: SWK 300, SWK 312, SWK 333)

Spring semester

- SWK 420 Generalist Practice with Groups and Organizations
- SWK 450 Field Instruction and Seminar II (6 credits)
(SWK 420, SWK 450 must be taken concurrently. Prerequisites: SWK 320, and SWK 350)
- SWK 475 Social Work Senior Seminar
(Pre/co-requisites: SWK 420 and SWK 450)

Courses of Instruction: Social Work

SWK 200 INTRODUCTION TO SOCIAL WORK

3 CREDITS

Note: Required for admission to the social work major.

An overview of social services and the profession of social work introducing students to the history of the field; knowledge, values, and skills necessary for social work practice; and the variety of social service programs and agencies characterizing the field today. Human rights principles are explored. Includes a 20-hour field experience.

SWK 245 AGING IN SOCIETY

3 CREDITS

Social, cultural, and physical factors which influence the process of aging. Special emphasis is given to aspects of society that tend to improve or reduce the quality of life experienced by elderly people.

SWK 300 GENERALIST PRACTICE WITH COMMUNITIES AND ORGANIZATIONS

3 CREDITS

PREREQUISITES: SWK 311, SWK 325 CO-REQUISITE: SWK 333

Note: Open to social work majors only.

Generalist social work knowledge for practice with communities and organizations is integrated with professional values and skills. The skills of assessment, goal setting, intervention, termination, and evaluation are taught. Major themes include social justice, social change, and empowerment. Includes 50-hour macro-practice field experience.

SWK 311 THE SOCIAL ENVIRONMENT AND HUMAN BEHAVIOR

3 CREDITS

PRE/CO-REQUISITES: SOC 100, ANT 106 OR EQUIVALENTS

Provides the theoretical and empirical foundation for understanding the influence of macro systems on human behavior. Examines sociological, political, economic, and cultural theories that are relevant to understanding organizations, communities, social institutions, society and the world at large. Highlights the forces of social exclusion and the consequences of social injustice. Develops students' awareness of self and others as shaped by these forces.

SWK 312 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT

3 CREDITS

PRE/CO-REQUISITES: PSY 100, BIO 202 OR EQUIVALENTS

An overview of micro-level empirical and theoretical perspectives for understanding human behavior across the life cycle including the biological, psychological, and social factors which shape human lives. Includes discussion of individual, family and group systems and evaluation and practical application of theory for generalist social work practice.

SWK 320 GENERALIST PRACTICE WITH INDIVIDUALS AND FAMILIES

3 CREDITS

PREREQUISITES: SWK 200, SWK 300, SWK 333; CO-REQUISITE: SWK 350

Note: Open to social work majors only.

Generalist social work knowledge for practice with individuals, couples, and families integrated with professional values and skills. The skills of engagement, assessment, goal setting, intervention, termination, and evaluation are taught. Major themes include the strengths perspective and cultural competence.

SWK 325 SOCIAL WELFARE POLICY

3 CREDITS

PRE/CO-REQUISITE: PSC 110 OR EQUIVALENT

Exploration of the use of social policy for meeting human needs and achieving social ideals. Introduction to the processes of policy making and implementation emphasizing the impact of the political, economic and cultural climate on social welfare policy and the roles of the public and private sectors in the delivery of social welfare services.

SWK 330 RESEARCH FOR SOCIAL WORK I

3 CREDITS

Note: Open to social work majors only.

Introduction to research methods in social work, with particular emphasis on the ethics of social work research, single-system design, experimental design, surveys, program evaluation, and professional writing. A research proposal for studying an aspect of community practice is developed and carried out the following semester in SWK 333

SWK 333 RESEARCH FOR SOCIAL WORK II**4 CREDITS**

PREREQUISITES: SWK 330, CO-REQUISITE SWK 300

Note: Open to social work majors only.

Theoretical and practical focus on further developing and then carrying out the research project proposed in SWK 330. Students will be introduced to SPSS and other data management and analysis techniques. The research will be carried out in the community agency in which the student is placed as part of SWK 300.

SWK 344 SUBSTANCE ABUSE**3 CREDITS**

Examination of the causes, medical aspects, family dynamics, cross-cultural issues, and treatment modalities of drug and alcohol abuse. It provides an overview of the social work knowledge, values, and skills used to identify and assist those affected directly and indirectly by substance abuse.

SWK 350 FIELD INSTRUCTION AND SEMINAR I**6 CREDITS**

CO-REQUISITE: SWK 320

Note: Open to social work majors only.

Provides a minimum of 200 hours of generalist practice experience under the supervision of a social work professional. Weekly seminar sessions integrate knowledge, values, and skills gained from classroom and field experience.

SWK 365 SPECIAL TOPICS IN SOCIAL WORK**3 CREDITS**

Note: Enrollment in some offerings may require consent of the instructor.

One time offerings of social work elective courses. SWK 365 may be repeated for credit with a topic change.

SWK 369 EXPLORING GAMBLING PROBLEMS**3 CREDITS**

This course is designed to provide students with the fundamentals for understanding the impact of gambling from a biopsychosocial perspective. It provides an overview of the social work knowledge, values, and skills used to identify and assist those affected directly and indirectly by gambling problems.

SWK 420 GENERALIST PRACTICE WITH GROUPS AND ORGANIZATIONS

PREREQUISITES: SWK 320, SWK 350. CO-REQUISITE: SWK 450

3 CREDITS

Note: Open to social work majors only.

Generalist social work knowledge for practice with groups and organizations integrated with professional values and skills. The skills of group development, assessment, goal setting, intervention, termination, and evaluation are taught. Emphasizes the power of the group as a mutual aid system and the use of task groups in organizational settings.

SWK 450 FIELD INSTRUCTION AND SEMINAR II**6 CREDITS**

PREREQUISITE: SWK 350, CO-REQUISITE: SWK 420, SWK 440

Note: Open to social work majors only.

Provides an additional minimum of 200 hours of generalist practice experience under social work supervision. Students are expected to build on their SWK 350 experience by assuming new responsibilities and challenges. Weekly seminar sessions integrate knowledge, values, and skills gained from classroom and field experience.

SWK 475 SOCIAL WORK SENIOR SEMINAR**3 CREDITS**

PRE/CO-REQUISITES: SWK 420 and SWK 450

Note: Open to social work majors only. Fills writing intensive course requirement.

Capstone seminar for social work students. Promotes critical thinking, the development of professional identity, and the integration of the knowledge, values, and skills of the social work curriculum. Content is related to central social work perspectives, systems change, human rights, the role of social work in the United States and the world, and emerging issues in the profession.

SWK 480 INDEPENDENT STUDY IN SOCIAL WORK**3 CREDITS**

Note: Permission of instructor and Social Work Program Coordinator required

Individual exploration of a topic relevant to social work theory or practice beyond content offered in the social work curriculum guided by a social work faculty member.

SWK 492 INTERNSHIP IN SOCIAL WORK**1-3 CREDITS**

Note: Open to social work majors only. Permission of instructor and Social Work Field Coordinator required

Individual experience in social work practice or research guided by a social work faculty member

VISUAL ARTS

Chairperson: *Anne E. Dawson*

Professors: *Lula Mae Blocton, Imna Arroyo-Winner, June Bisantz, Anne E. Dawson, Claudia Widdiss*

Associate Professors: *Sharon L. Butler, Gail Gelburd, William A. Jones, Qimin Liu*

Assistant Professors: *Terry Lennox*

Major: Visual Arts (B.A.)

Objectives

The Bachelor of Arts Degree program in Visual Arts offers five concentrations of study: Art History, Digital Art & Design, Painting & Drawing, Printmaking, and Sculpture. Students learn to think visually as they study different mediums, become familiar with visual language, acquire knowledge of expressive techniques, and learn the context of the art of different cultures. Students become skilled at articulating the conceptual and aesthetic relevance of works of art.

Program graduates pursue advanced degrees or other courses of study, and/or become professional artists, graphic designers in print or new media, painters, printmakers, sculptors, or professionals in art galleries and museums.

Admission to the Program

Those students interested in the visual arts major should consult with a faculty advisor who is teaching studio art or art history. Students interested in the major should make that decision by the second semester of their second year. The recommendation to the student is that they start their program with the required visual arts courses. Transfer students should seek an advisor immediately to prepare a schedule of visual arts courses to fulfill degree requirements. Students interested in the Digital Art and Design concentration are required to submit a portfolio for admission to the program after completing the two Digital Art Techniques Courses: ART 122 and ART 124. The portfolio will include 10 samples of the student's work (two examples each from Illustrator, InDesign, Photoshop and Dreamweaver). Portfolios must be carefully prepared according to guidelines available in the art office. Portfolios must be submitted and program admission approved before students can enroll in 300-level design courses.

Major Requirements

The B.A. in Visual Arts consists of 48 credits, including 24 credits of foundation courses and 21 credits in the chosen concentration, and a 3-credit Capstone course. Grades of less than 2.0 (C) will not count toward the major.

| | |
|---|-------------------|
| I. Required Foundation Courses | 24 credits |
| II. Required Courses for the Concentration | 21 credits |
| III. Major Capstone Course | 3 credits |

REQUIRED FOUNDATION COURSES

Studio Arts Foundation Courses

ART 110 Two-Dimensional Design

- ART 111 Three-Dimensional Design
or ART 207 Ceramic Sculpture
or ART 208 Surface Design
- ART 112 Color Theory
- ART 124 Digital Imaging and Basic Web Site Design
- ART 201 Relief Printmaking
- ART 202 Drawing 1

Art History Foundation Courses

- ART 211 Art History I: Prehistory to 1400
- ART 212 Art History II: 1400 to the Present

Major Capstone Course (one of the following, three credits)

- ART 432 ECSU Design Group (Digital Art & Design Concentration)
- ART 436 Graphic Design IV (Digital Art & Design Concentration)
- ART 485 Senior Project in Studio Art (Painting and Drawing,
Printmaking and Sculpture Concentrations)
- ART 486 Senior Project in Art History (Art History Concentration)

Art History Concentration

Required Courses: (15 credits)

- ART 225 Asian Art
- ART 313 Renaissance Art
- ART 340 Modern Art
- ART 360 American Art
- ART 402 Issues in Contemporary Art

Choice of at least 2 of the following: (Six credits)

- ART 333 Graphic Design History
- ART 345 Museum Studies
- ART 355 Women and the Visual Arts
- ART 365 Special Topics in Art/Art History
- ART 369 African American Art
- ART 470 Advanced Topics in Art/Art History
- ART 480 Independent Study
- ART 490 Internship

Art History-related Honors Colloquia with consent of Art History advisor

Digital Art and Design Concentration

Required Digital Art Techniques Courses: (Three credits)

- ART 122 Digital Illustration and Page Layout
(ART 124 *Digital Imaging and Basic Website Design is a Foundations Requirement*)

Courses (ART 122 and ART 124), students will be required to submit a portfolio for admission into the Digital Art and Design Program. The portfolio will include 10 samples of the

student's work (two examples each from Illustrator, InDesign, Photoshop and Dreamweaver). Portfolios must be carefully prepared according to guidelines available in the art office. Portfolios must be submitted and program admission approved before students can enroll in 300 level design courses.

Required Design Courses: (nine credits)

- ART 203 Graphic Design I
- ART 204 Graphic Design II
- ART 335 Graphic Design III

Choice of at least three courses from the following: (nine credits)

- ART 226 Public Art: Art and the Community
- ART 228 Creative Problem Solving
- ART 325 Animation/Multimedia
- ART 327 Magazine Design
- ART 330 Package Design
- ART 338 Graphic Design Style
- ART 343 Introduction to 3-D Animation
- ART 350 Video Art
- ART 365 Special Topics in Art/ Digital Art & Design
- ART 390 Practicum
- ART 403 3D Imaging/Animation
- ART 410 Web Design
- ART 421 Digital Portfolio Preparation
- ART 436 Graphic Design IV
- ART 450 Advanced Digital Illustration
- ART 451 Motion Graphics
- ART 470 Advanced Topics in Art/Graphic Design
- ART 480 Independent Study
- ART 490 Internship
- COM310 Digital Photography

Painting and Drawing Concentration

Required Courses: (15 credits)

- ART 215 Painting I
- ART 308 Painting II
- ART 309 Figure Drawing I
- ART 352 Drawing II
- ART 408 Advanced Painting
- or
- ART 409 Figure Drawing II
- or
- ART 430 Advanced Drawing

Choice of at least two courses from the following list: (six credits)

| | |
|---------|--|
| ART 205 | Water Media |
| ART 307 | Portraiture |
| ART 314 | Landscape Painting I |
| ART 365 | Special Topics in Art/Painting and Drawing |
| ART 390 | Practicum |
| ART 395 | Drawing in Color |
| ART 408 | Advanced Painting |
| ART 409 | Figure Drawing II |
| ART 414 | Landscape Painting II |
| ART 419 | Professional Practices for Artists |
| ART 430 | Advanced Drawing |
| ART 480 | Independent Study |
| ART 490 | Internship |

Printmaking Concentration

Required Courses: (12 credits)

| | |
|---------|--------------------------------|
| ART 230 | Visual Journals and Bookmaking |
| ART 317 | Polyester Plate Lithography |
| ART 318 | Intaglio Printmaking I |
| ART 320 | Water Based Screen Printing I |

Choice of at least three courses from the following: (nine credits)

| | |
|---------|------------------------------------|
| ART 220 | Relief Printmaking II |
| ART 319 | Expressions with Handmade Paper |
| ART 365 | Special Topics in Art/Printmaking |
| ART 418 | Water-Based Screen Printing II |
| ART 420 | Intaglio Printmaking II |
| ART 470 | Advanced Topics in Art/Printmaking |
| ART 480 | Independent Study |
| ART 490 | Internship |

Sculpture Concentration

Required Courses: (12 credits)

| | |
|---------|--------------------|
| ART 206 | Sculpture I |
| ART 306 | Wood Sculpture I |
| or | |
| ART 315 | Figure Modeling |
| ART 324 | Metal Construction |
| ART 406 | Sculpture II |

Choice of at least three courses from the following: (nine credits)

| | |
|---------|-------------------|
| ART 114 | Ceramics |
| ART 207 | Ceramic Sculpture |
| ART 208 | Surface Design |

| | |
|---------|----------------------------------|
| ART 306 | Wood Sculpture |
| ART 315 | Figure Modeling |
| ART 365 | Special Topics in Art/Sculpture |
| ART 390 | Practicum |
| ART 415 | Advanced Figure Modeling |
| ART 470 | Advanced Topics in Art/Sculpture |
| ART 480 | Independent Study |
| ART 490 | Internship |

Recommended Course Sequence Visual Arts major (B.A.)

Check the concentration and all course descriptions for prerequisites before planning course schedule.

First Year Program Art Cluster

| | | |
|---------|--|-------|
| ENG 100 | College Writing (Stage 1: Writing Requirement) | 3-4 |
| MAT *** | Math Course Beyond Algebra II | 3 |
| | LAC Tier I courses | 15-16 |

Required Foundation Courses

| | | |
|---------|------------------------------------|---|
| ART 202 | Drawing I | 3 |
| ART 110 | 2-Dimensional Design | 3 |
| ART 211 | Art History I: Pre-History to 1400 | 3 |

Digital Art and Design First Year – *Students should take the other first-year recommended courses listed above, and continue with the recommended sequence as listed below.*

| | | |
|---------|--|---|
| LAC | Electives | 9 |
| ART 122 | Digital Illustration and Page Layout | 3 |
| ART 124 | Digital Imaging and Basic Website Design | 3 |

***A portfolio review will take place at the end of the second semester.*

Total **30 credits**

Second Year

| | | |
|----------|---|----|
| ART 225* | Complete Stage 2: Second stage of the University Writing Requirements LAC Tier I & II | 18 |
|----------|---|----|

**This method of fulfilling Stage 2 is recommended for Visual Arts Majors.*

Required Foundation Courses

| | | |
|---------|-------------------------------------|---|
| ART 111 | 3-Dimensional Design | 3 |
| or | | |
| ART 207 | Ceramic Sculpture | |
| or | | |
| ART 208 | Surface Design | |
| ART 212 | Art History II: 1400 to the Present | 3 |

Required Courses for the Concentration

Art History

| | |
|---------|---|
| ART 225 | Asian Art (Stage 2: Writing Competency) |
| ART 313 | Renaissance Art |

Digital Art and Design

| | | |
|---------|-------------------|--|
| ART 202 | Drawing I | |
| ART 203 | Graphic Design I | |
| ART 204 | Graphic Design II | |

Painting and Drawing

| | | |
|---------|--------------|--|
| ART 112 | Color Theory | |
| ART 215 | Painting I | |

Printmaking

| | | |
|---------|----------------------|--|
| ART 201 | Relief Printmaking I | |
|---------|----------------------|--|

Sculpture

| | | |
|---------|-------------|--|
| ART 206 | Sculpture I | |
|---------|-------------|--|

Total **30 credits**

Third Year

| | | |
|---------|---|----|
| LAC | Tier II | 12 |
| ART 340 | Modern Art (Stage 3: Writing Intensive) | |
| ART 333 | Graphic Design History (Stage 3: Writing Intensive) | 3 |
| or | | |
| ART 340 | Modern Art (Stage 3: Writing Intensive) | |
| or | | |
| ART 402 | Issues in Contemporary Art (Stage 3: Writing Intensive) | |
| | Liberal Arts Electives | 3 |

Required Courses for the Concentration **6-9**

Art History

| | | |
|---------|--------------|--|
| ART 360 | American Art | |
|---------|--------------|--|

Digital Art and Design

| | | |
|---------|----------------------------------|----|
| LAC | Electives | 15 |
| ART 335 | Graphic Design III | 3 |
| | Digital Art and Design Electives | 6 |

Painting and Drawing

| | | |
|---------|------------------|--|
| ART 352 | Drawing II | |
| ART 308 | Painting II | |
| ART 309 | Figure Drawing I | |

Printmaking

| | | |
|---------|-------------------------------|--|
| ART 317 | Polyester Plate Lithography | |
| ART 320 | Water-Based Screen Printing I | |

Sculpture

| | | |
|---------|------------------|--|
| ART 306 | Wood Sculpture I | |
| or | | |

| | | |
|---------|--------------------|-------------------|
| ART 315 | Figure Modeling | |
| ART 324 | Metal Construction | |
| | Total | 30 credits |

Fourth Year

| | | |
|---------|---------------------------------------|----|
| | Electives | 21 |
| ART 432 | Eastern Design Group (Senior Project) | |
| or | | 3 |
| ART 436 | Graphic Design IV (Senior Project) | |
| or | | |
| ART 485 | Senior Project in Art | 3 |
| or | | |
| ART 486 | Senior Project in Art History | 3 |

Required Courses for the Concentration **6-9**

Art History

| | | |
|---------|----------------------------|--|
| ART 402 | Issues in Contemporary Art | |
| | Art History Electives | |

Digital Art and Design

| | |
|----------------------------------|----|
| Electives | 18 |
| Digital Art and Design Electives | 9 |

Painting and Drawing

Electives

Printmaking

| | | |
|---------|--------------------------------------|--|
| ART 318 | Intaglio Printmaking 1 and Electives | |
|---------|--------------------------------------|--|

Sculpture

| | | |
|---------|----------------------------|--|
| ART 406 | Sculpture II and Electives | |
|---------|----------------------------|--|

Total **30 credits**

Minor: Art History

To earn an Art History minor a student must complete 18 credits in art history. Courses with a grade of less than 2.0 (C) will not count towards the minor.

Required Courses (six credits):

| | |
|---------|--------------------------------|
| ART 211 | Art History I: Prehistory-1400 |
| ART 212 | Art History II: 1400-Present |

Choice of at least four from the following:

| | |
|---------|---------------------------|
| ART 225 | Asian Art |
| ART 313 | Renaissance Art |
| ART 333 | Graphic Design History |
| ART 340 | Modern Art |
| ART 345 | Museum Studies |
| ART 355 | Women and the Visual Arts |

| | |
|---------|------------------------------------|
| ART 360 | American Art |
| ART 365 | Special Topics in Art History |
| ART 369 | African American Art |
| ART 402 | Issues in Contemporary Art |
| ART 470 | Advanced Topics in Art/Art History |
| ART 480 | Independent Study |
| ART 490 | Internship |

Minor: Digital Art and Design

To earn a Digital Art and Design minor, a student must complete 18 credits in Digital Art and Design courses with at least six of those at the 200-level or higher. Students interested in the Digital Art and Design minor are required to submit a portfolio for admission to the program after completing the two Digital Art Techniques Courses: ART 122 and ART 124. The portfolio will include eight samples of the student's work (two examples each from Illustrator, InDesign, Photoshop and Dreamweaver). Portfolios must be carefully prepared according to guidelines available in the art office. Portfolios must be submitted and program admission approved before students can enroll in 300-level design courses. Courses with a grade of less than 2.0 (C) will not count toward the minor.

Required Courses

Two Computer Skills courses/six credits

| | |
|---------|--|
| ART 122 | Digital Illustration and Page Layout |
| ART 124 | Digital Imaging and Basic Website Design |

Two Graphic Design Courses/six credits

| | |
|---------|-------------------|
| ART 203 | Graphic Design I |
| ART 204 | Graphic Design II |
| | Electives |

Two Digital Art and Design electives/six credits

Choose two from:

| | |
|---------|---|
| ART 226 | Public Art |
| ART 228 | Creative Problem Solving |
| ART 325 | Animation/Multimedia |
| ART 327 | Magazine Design |
| ART 330 | Package Design |
| ART 333 | Graphic Design History |
| ART 335 | Graphic Design III |
| ART 338 | Graphic Design Style |
| ART 343 | Introduction to 3-D Animation |
| ART 350 | Video Art |
| ART 351 | Motion Graphics |
| ART 365 | Special Topics for Artists/Graphic Design |
| ART 403 | 3D Imaging/Animation I |
| ART 410 | Web Design |
| ART 421 | Digital Portfolio Preparation |

- ART 436 Graphic Design IV
ART 450 Advanced Digital Illustration

Minor: Studio Art

A Studio Art minor consists of 18 credits of studio art courses with at least six of those credits at the 300 level or above. Grades of less than 2.0 (C) in studio art courses will not count towards the minor. It is recommended that students seek advisement with a studio art faculty member.

Courses of Instruction: Visual Arts

ART 100 ART STUDIO ART INTRODUCTION

3 CREDITS

An understanding of the visual elements of lines, shape, value, texture, color, and form will be creatively explored through the use of a variety of art methods and materials. (Not required for Visual Arts Majors).

An introduction to the fundamental issues and techniques of drawing that will include basic conceptual and thematic development. Drawing skill and visual awareness are addressed through formal exercises and creative projects. Emphasis will be on the development of visual perception through the exploration of line, value, form, space, and composition.

ART 110 TWO-DIMENSIONAL DESIGN

3 CREDITS

This course introduces students to the fundamental principles and elements of design as they relate to the two-dimensional surface. Planned to prepare students for further exploration of all two-dimensional art forms.

ART 111 THREE-DIMENSIONAL DESIGN

3 CREDITS

This course gives a foundation of three-dimensional concepts and processes that are used globally for artistic expression. From research in the diversity of cultural expression, students will create studio projects that study design elements and experiment with material and process.

ART 112 COLOR THEORY

3 CREDITS

This course will explore the effects, principles, and practical applications of color usage. Discussion and assignments will focus on color as a visual expression and its integration into everyday life as well as related fields of design, fine art, and advertising.

ART 114 CERAMICS

3 CREDITS

Workshop experience with clay processes used in making and decorating pottery. Emphasis on hand pieces, decoration, glazing, modeling, and knowledge of the use of the potter's wheel and operation of a kiln.

ART 119 JEWELRY

3 CREDITS

Basic course in techniques and materials for the design and making of jewelry.

ART 122 DIGITAL ILLUSTRATION AND PAGE LAYOUT

3 CREDITS

This course provides an introduction to the computer as a tool in art and graphic design. Developing vector based images, and creating page layouts which combine text and image are emphasized. Primary Software used: Adobe Illustrator and Adobe InDesign.

ART 124 DIGITAL IMAGING AND BASIC WEBSITE DESIGN 3 CREDITS

This course provides an introduction to the computer as a tool in art and design. Developing bitmap images, and designing for the internet are emphasized. Primary Software used: Adobe Photoshop, Macromedia Dream Weaver, Adobe GoLive. Secondary Software: Macromedia Flash, Macromedia FireWorks, Adobe Image Ready, Adobe Live Motion

ART 140 EXPLORATIONS IN VISUAL CULTURE (LAC Tier I: Art in Context) 3 CREDITS

This course will introduce the students to the major issues and themes in the Visual Arts. It will enable students to see, assess and critique the art and its role as an integral part of society, historically and today. The course format will consist of lectures, group discussions, projects, presentations and museum or gallery visits.

ART 201 RELIEF PRINTMAKING I 3 CREDITS

Introduction to monotypes, monoprints, and relief printmaking including collograph, linoleum and woodblock techniques. Experiment with various printmaking matrixes such as Plexiglas, linoleum, and different wood surfaces. Explore the potential of water-soluble and oil base inks, collage and chine colle. Emphasis will be placed on learning procedures and skills in acquiring non-toxic printmaking technical vocabulary.

ART 202 DRAWING I 3 CREDITS

An introduction to the fundamental issues and techniques of drawing that will include basic conceptual and thematic development. Drawing skill and visual awareness are addressed through formal exercises and creative projects. Emphasis will be on the development of visual perception through the exploration of line, value, form, space, and composition.

ART 203 GRAPHIC DESIGN I 3 CREDITS

PREREQUISITES: ART 122 OR ART 124 AND ONE OF THE FOLLOWING: ART 110
ART 202.

This course is designed to provide students with an introduction to the fundamentals of typography, its theory, practice, technology, history, and contemporary practice. Projects will explore: the study of letterforms, type design, text composition, layout and page systems, expressive typography, proportion and grids, hierarchy, legibility.

ART 204 GRAPHIC DESIGN II 3 CREDITS

PREREQUISITE: ART 203

This course is designed to introduce students to the techniques and practices of contemporary graphic design. Students will continue the exploration of typographic design begun in Graphic Design I, as they begin to focus on organizing two-dimensional space effectively, thinking conceptually, and combining images with typography.

ART 205 WATER MEDIA 3 CREDITS

PREREQUISITES: ANY TWO OF THE FOLLOWING: ART 100, ART 110, ART 202

Designed to acquaint the student with various techniques of watercolor, gouache, tempera, and color inks.

ART 206 SCULPTURE I**3 CREDITS**

PREREQUISITE: ANY ONE OF THE FOLLOWING: ART 110, ART 111, ART 114, ART 201, ART 202, ART 207, OR ART 208

This course offers instruction in the use of tools, materials and processes to create three-dimensional forms. Emphasis will be on structural development of individual projects and personal research.

ART 207 CERAMIC SCULPTURE**3 CREDITS**

Designed to develop skills on using ceramic clay for three-dimensional expression. Emphasis will be on hand-building and instruction will include mold making and use of armatures.

ART 208 SURFACE DESIGN**3 CREDITS**

This sculpture course is designed to introduce the student to a variety of casting materials and possible surface treatments. The formulation, uses, and methods of testing casting materials, paints, and glazes will be covered.

ART 211 ART HISTORY I: PRE-HISTORY TO 1400**3 CREDITS**

Surveys the history of visual art from pre-history to 1400 from a multicultural perspective. Examines the subject matter and visual characteristics (style) of art works and the social/historical context in which the works were produced in order to understand their meanings.

ART 212 ART HISTORY II: 1400 TO THE PRESENT**3 CREDITS**

Surveys the history of visual art from 1400 to the present from a multicultural perspective. Examines the subject matter and visual characteristics (style) of art works and the social/historical context in which the works were produced in order to understand their meanings.

ART 215 PAINTING I**3 CREDITS**

PREREQUISITES: ANY 2 OF THE FOLLOWING: ART 100, ART 110, ART 202

This course is an introduction to the art of painting emphasizing color and composition.

ART 220 RELIEF PRINTMAKING II**3 CREDITS**

PREREQUISITE: ART 100, ART 110, ART 201 OR ART 202

Continuation of part I, working with linoleum and wood block techniques experimenting with traditional and alternative methods. Explore various color approaches including reduction, multiple plates, collograph, and Japanese traditional color wood cut. Emphasis will be placed on learning procedures and skills in acquiring a non-toxic printmaking technical vocabulary.

ART 225 ASIAN ART AND CULTURE**3 CREDITS**

This course provides an overview of the arts of India, China, and Japan from pre-history to modern times. Illustrated by slides and other visual materials, lectures, discussions and workshops will focus on the traditional arts of painting, sculpture and architecture as well as the art of Feng Sui, Ikebana, Calligraphy, Bonsai, Raku, and martial arts. The student will learn to appreciate the various Arts and have an opportunity to work directly with some of the forms. Each student will come to appreciate the aesthetics as well as the philosophical basis of these Eastern Arts. A writing competency course for Visual Arts majors (WRT050).

ART 226 PUBLIC ART: ART AND THE COMMUNITY**3 CREDITS**

This course introduces students to public art: its significance in contemporary life, its various manifestations and the different ways in which it impacts communities and individuals. Students will read about public art, see and respond to public artworks, visit public art sites and create plans for public works of their own.

ART 228 CREATIVE PROBLEM SOLVING**3 CREDITS**

PREREQUISITE: ART 204

This course will guide students through creative strategies used in both the business and creative aspects of professional design. Students will be given a series of visual, technical and practical problems and asked to solve them by applying creative problem solving techniques. This class is appropriate for students interested in all aspects of design, including print graphics, motion graphics, web and animation.

ART 230 VISUAL JOURNALS AND BOOKMAKING**3 CREDITS**

Journal keeping is one of the oldest and most direct forms of expression. The form allows for self-expression, the recording of history, reflection, exploration, and investigation. Using the sketchbook, writing, and the art of bookmaking, students will create visual journals to explore personal narratives. Students will be introduced to a variety of mixed media, including ink, watercolor, collage, and monotype.

ART 306 WOOD/SCULPTURE**3 CREDITS**

PREREQUISITES: ANY TWO OF THE FOLLOWING: ART 111, ART 114, ART 201, ART 202, ART 206, ART 207, OR ART 208

This course will cover the use of tools and techniques for developing three-dimensional forms in wood. Instruction will include wood carving, lamination, wood construction and assemblage.

ART 307 PORTRAITURE**3 CREDITS**

PREREQUISITE: ANY TWO OF THE FOLLOWING: ART 100, ART 110, ART 202, OR ART 352

This course will help students to develop figure-drawing skills. Portraiture techniques and anatomy will be introduced in this class. Topics covered include constructive and anatomical forms and structure. A variety of mediums and methods will be introduced.

ART 308 PAINTING II**3 CREDITS**

PREREQUISITE: ART 215

This course is a continuation of the art of painting using acrylic or oils paint. There will be class projects exploring color and composition.

ART 309 FIGURE DRAWING I**3 CREDITS**

PREREQUISITE: ART 202

An introduction to drawing the human form through the study of basic muscular and skeletal forms, proportions, measurements, foreshortening and movement. There will be an exploration of various materials and techniques.

ART 313 RENAISSANCE ART**3 CREDITS**

This course examines visual art created during the 15th and 16th centuries in Italy and Northern Europe. Art production will be considered from various points of view including stylistic, social/historical, economic and theoretical.

ART 314 LANDSCAPE PAINTING I**3 CREDITS**

PREREQUISITES: ART 110, ART 202 OR ART 215 OR CONSENT OF THE INSTRUCTOR

The course will examine the artist's response to the landscape as a means of inspiration to produce paintings. The goal of the course is to introduce painting and drawing methods related to the art of landscape painting.

ART 315 FIGURE MODELING**3 CREDITS**

PREREQUISITES: ANY TWO OF THE FOLLOWING: ART 110, ART 111, ART 114, ART 201, ART 202, ART 206, ART 207, ART 208, ART 307, ART 309, ART 315, OR ART 324

This course is designed to develop three-dimensional awareness through the study of human form. Working from live models, students will be introduced to various clay modeling techniques, armature building, and mold making with plaster.

ART 317 POLYESTER PLATE LITHOGRAPHY**3 CREDITS**

PREREQUISITE: ART 110, ART 201, ART 202 or ART 221

Explore direct hand-drawn lithography techniques with permanent markers, ballpoint pens and toner tush and crayons, acrylic base resist materials working on polyester plates. In addition, students will incorporate the use of a laser printer, scanner, and computer to explore photolithography techniques. Emphasis will be placed on learning procedures and skills in acquiring a non-toxic printmaking technical vocabulary.

ART 318 INTAGLIO PRINTMAKING I**3 CREDITS**

PREREQUISITE: ART 110, ART 201, OR ART 202

Introduction to Intaglio-type printmaking techniques, working with photo-polymer films for intaglio printing. Explore non-etch processes working with photo-imagery from halftones and photocopies as well as using pencil and wash drawing imagery. Students will work with acrylic hard-grounds, soft-ground, aquatint, resist grounds and lift ground. Emphasis will be placed on learning procedures and skills in acquiring a non-toxic printmaking technical vocabulary.

ART 319 EXPRESSIONS WITH HANDMADE PAPER**3 CREDITS**

PREREQUISITE: ART 111 OR ART 201

Structural, three-dimensional paper casting and sheet forming are explored. Techniques include Eastern and Western sheet forming, couching, pressing, lamination, templates and sizing in addition to dyeing sheet and pulp casting.

ART 320 WATER BASED SCREEN PRINTING I**3 CREDITS**

PREREQUISITE: ART 100, ART 110, OR ART 202

Introduction to basic crayon resistant, paper stencils masking and photographic silkscreen methods as means of aesthetic expression. Experiment with cellulose/acrylic based inks for screen-printing. Emphasis will be placed on learning procedures and skills in acquiring a non-toxic printmaking technical vocabulary.

ART 324 METAL CONSTRUCTION**3 CREDITS**

PREREQUISITE: ANY TWO OF THE FOLLOWING: ART 110, ART 111, ART 114, ART 201, ART 202, ART 206, ART 207, ART 208, ART 306, ART 307, ART 309, ART 315

This sculpture course is an introduction to creative expression working with metal. Instruction will familiarize students with various tools, techniques and cold connection methods for construction in metal.

ART 325 ANIMATION/MULTIMEDIA**3 CREDITS**

PREREQUISITE: ART 122, ART 124, AND ART 203

An introduction to and exploration of animation/multimedia software and interactive design for CD ROMs, Kiosks, Internet, Games, etc.

ART 327 MAGAZINE DESIGN**3 CREDITS**

PREREQUISITE: ART 204

Magazines are a combination of many carefully designed components, from glamorous covers and feature stories, to humble photo captions and page numbers. In this course we will examine the historical roots and contemporary practice of magazine design.

ART 330 PACKAGE DESIGN**3 CREDITS**

PREREQUISITE: DIGITAL ART AND DESIGN PORTFOLIO

This course provides an introduction to package design with an emphasis on the best practices of the current industry. Students will develop design and computer skills necessary to create a distinctive and appealing brand identity for the retail marketplace. Primary Software used: Adobe Illustrator.

ART 333 GRAPHIC DESIGN HISTORY **3 CREDITS (Writing Intensive)**

PREREQUISITE: ENG 100, WRT 050, ART 211, ART 212

This course will introduce students to the major issues, artists and movements in the history of graphic design from its beginnings to the present. The course format will consist of lectures, group discussions, video presentations, and museum visits.

ART 335 GRAPHIC DESIGN III**3 CREDITS**

PREREQUISITE: ART 204

This course is designed to continue the exploration of the techniques and practices of contemporary graphic design that were introduced in Graphic Design II. Conceptual thinking, image development, typographic design, and design unity will be the focus as students develop larger, multi-part projects for print and digital media individually and in groups. Print and digital production strategies will also be discussed.

ART 338 GRAPHIC DESIGN STYLE**3 CREDITS**

PREREQUISITE: ART 203

This course explores historical periods and styles from the history of graphic design. Students will learn about historical periods through reading and lectures, and then design projects inspired by the typography, imagery, spatial organization strategies, and basic manipulation of design elements from each period.

ART 340 MODERN ART **3 CREDITS (Writing Intensive)**

PREREQUISITE: ENG 100, WRT 050, ART 211, ART 212

A survey of the major art movements from the end of the nineteenth century to the present. Writing intensive course for Visual Arts majors. (WRT 075)

ART 343 INTRODUCTION TO 3-D ANIMATION**3 CREDITS**

PREREQUISITE: ART204

This course offers students an introduction to and exploration of 3-D computer-generated imagery and animation.

ART 345 MUSEUM STUDIES**3 CREDITS**

This course introduces students to the history of museums and the techniques involved in institutional and collection management, curatorial process, interpretation and exhibit design.

ART 350 VIDEO ART**3 CREDITS**

PREREQUISITE: ART 124

This course introduces students to concepts, techniques and materials used in digital video editing and motion graphics so that they may create compelling “moving artworks” which combine still images, video, text, sound and special effects.

ART 351 MOTION GRAPHICS**3 CREDITS**

PREREQUISITE: ART 204

In this course students will investigate concepts and techniques for designing motion graphics like those seen in movies and on TV. Students will bring together typography and layout, photography and digital imaging, digital video, audio editing and animation.

ART 352 DRAWING II**3 CREDITS**

PREREQUISITE: ART 202

This is the continuation of Drawing I which will include an exploration of color media.

ART 355 (WST 355) WOMEN AND THE VISUAL ARTS**3 CREDITS**

An introduction to women artists from diverse cultures throughout history and the ideological issues critical to understanding their contributions to the visual arts. Examines the social and cultural context in which women worked as well as the ways that women have been represented in art throughout the ages.

ART 360 AMERICAN ART**3 CREDITS**

A survey of American painting, sculpture and other art forms from the Colonial period to 1945.

ART 365 SPECIAL TOPICS IN ART**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

A course in which special topics of interest in art provides the content.

ART 369 AFRICAN AMERICAN ART**3 CREDITS**

This course surveys the lives, works, and achievements of African-American visual artists from the early 1600s to the present. The course will examine the various social, political and economic circumstances in which African-American artists worked as well as the ways in which African-Americans have been represented in visual art.

ART 370 ART IN THE CLASSROOM**1 CREDIT**

A five-week course for teachers, introducing activities for the inclusion of art in elementary school activities.

ART 390 PRACTICUM**3-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIRPERSON, AND DEAN

A practicum is the application of skills in course work and research in which students have the opportunity to participate in practical situations in various areas of the visual arts. Typical examples of practica include supervised work in areas such as the participation, management or execution of special projects in the arts.

ART 395 DRAWING IN COLOR

PREREQUISITE: ART 202, ART 352

This course is designed to provide understanding of color properties, dimensions, subject matter, form and content. Using a variety of methods, media and techniques, there will be exploration of line, form and space to produce color drawings.

ART 402 ISSUES IN CONTEMPORARY ART 3 CREDITS (Writing Intensive)

PREREQUISITE: ENG 100, WRT 050, ART 211, ART 212

An in-depth examination of recent developments in our changing society and their impact on artistic expression.

ART 403 3-D IMAGING/ANIMATION I 3 CREDITS

PREREQUISITES: ART 122 AND ART 124

This course is an introduction to and exploration of 3-D imaging and animation.

ART 406 SCULPTURE II 3 CREDITS

PREREQUISITES: FOUR COURSES IN SCULPTURE OR CONSENT OF INSTRUCTOR

This course incorporates advanced technical instruction with individual experimentation. Emphasis will be to develop technical ability and conceptual direction for independent study.

ART 408 ADVANCED PAINTING 3 CREDITS

PREREQUISITE: ART 308 OR CONSENT OF INSTRUCTOR

Further studies in the art of painting with an opportunity to investigate personal directions.

ART 409 FIGURE DRAWING II 3 CREDITS

PREREQUISITES: ART 309 OR CONSENT OF INSTRUCTOR

The continued exploration of drawing the human form with more experimentation with materials and techniques.

ART 410 WEB DESIGN 3 CREDITS

PREREQUISITES: ART 124

This is an advanced course in Internet design for artists and graphic designers with a focus on the integrity of design, client satisfaction, and technical mastery.

ART 414 LANDSCAPE PAINTING II 3 CREDITS

PREREQUISITE: ART 215 AND ART 314 OR CONSENT OF INSTRUCTOR

The course is a continuation of Landscape Painting I, which will emphasize studio approaches to producing paintings.

ART 415 ADVANCED FIGURE MODELING 3 CREDITS

PREREQUISITE: ART 315

This course offers advanced instruction in sculpting the human figure. Students will work in clay from nude models and continue to increase knowledge of human form through anatomical research. Emphasis will be on sculptural composition, experimentation with scale, expanding technical knowledge of tools, materials and processes.

ART 418 WATER-BASED SCREEN PRINTING II**3 CREDITS**

PREREQUISITE: ART 110, ART 202 OR ART 320

Introduction to screen printing on fabric exploring contemporary approaches to surface decoration on cloth, using dye, paint, resist, embellishment and printing process. Emphasis is placed on experimentation, personal expression, and a strong technical foundation as well as learning procedures and skills in acquiring a non-toxic printmaking technical vocabulary.

ART 419 PROFESSIONAL PRACTICES FOR STUDIO ARTISTS 3 CREDITS

This course will address practical issues that prepare students for continued study or professional careers in the arts. Topics include career opportunities and options, legal and business issues and professional presentation. Instruction provided on photographing art work, organizing a resume, artist statement, biography, cover letters, presentation such as matting, framing, finishing, hanging and lighting.

ART 420 INTAGLIO PRINTMAKING II**3 CREDITS**

PREREQUISITE: ART 201, ART 202, ART 220, ART 318, OR ART 320

Exploring experimental approaches to intaglio printmaking including color viscosity printing, mixed media using collagraph plates, chine colle and Japanese woodcut. Students will work with acrylic hard-grounds, soft-ground, aquatint, and resist grounds, lift ground and carbarundum. Emphasis will be placed on learning procedures and skills in acquiring a non-toxic printmaking technical vocabulary.

ART 421 DIGITAL PORTFOLIO PREPARATION**3 CREDITS**

PREREQUISITE: ART 204

Students will learn to prepare work for presentation in digital portfolio formats (CD, DVD, web and print), and become familiar with the essential business practices of the digital art and design profession. This course is recommended for any student preparing to apply for a job in the field or for graduate study.

ART 430 ADVANCED DRAWING**3 CREDITS**

PREREQUISITES: ART 309 OR ART 352

Continued problems in drawing directed toward the development of a personal approach to this art form.

ART 432 ECSU DESIGN GROUP (Senior Project in Digital Art & Design)**3 CREDITS**

In this course students form a design agency in order to produce professional design products for clients within the University community under the supervision of a faculty member. The range of jobs includes print (posters, brochures, etc.) and new media (web and interactive design). This course is offered in the spring semester and is for graphic design students who are within two semesters of graduation and fulfills the Studio Art Senior Project requirement.

ART 436 GRAPHIC DESIGN IV (Senior Project in Digital Art & Design)**3 CREDITS**

PREREQUISITE: ART 335

In this course, students will develop independent, self-directed, multi-part projects that explore all the concepts, and utilize all the skills, they've learned in Graphic Design I-III. The work produced in this course will be suitable for a professional-quality graphic design portfolio and may explore both print and digital media. Note: This course fulfills the Studio Art Senior Project requirement.

ART 450 ADVANCED DIGITAL ILLUSTRATION**3 CREDITS**

PREREQUISITES: ART 122, ART 124 AND ART 204

This course is designed to provide students with an advanced experience in illustration, using the computer as a tool. This course is designed to develop skills in the translation of concepts into visual form, using a variety of digital techniques. Primary software used: Adobe Illustrator, Adobe Photoshop

ART 470 ADVANCED TOPICS IN ART**3 CREDITS**

PREREQUISITES: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON

Study for advanced students with a concentration in Studio Art or Art History to execute advanced instruction in a particular art discipline by making arrangements with the instructor to join an existing class for the purpose of receiving guidance to pursue advanced instruction.

ART 480 INDEPENDENT STUDY**3 CREDITS**

PREREQUISITES: CONSENT OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Study for advanced students to execute independent investigation of research and/or creative production conducted under the guidance of the instructor.

ART 485 SENIOR PROJECT IN STUDIO ART**3 CREDITS**

Students will complete a series of works on an advanced level exploring personal vision and techniques. The course involves a submitted plan of study and the student working under the direction of a studio art faculty member.

ART 486 SENIOR PROJECT IN ART HISTORY**3 CREDITS**

Students will complete a major project on an advanced level. The course involves a submission of a formal study plan and working directly under the supervision of an art history faculty member.

ART 490 INTERNSHIP**3-6 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR, APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Advanced students may participate in an internship off campus or in a special program on campus, which allows them to work with qualified persons in conjunction with faculty. These internships may be in various areas in the visual arts profession such as, but not limited to, art management, graphic design, teaching or museum studies.

Academic Minors

A minor is an approved program of study in a different subject from the major, in which a student can concentrate.

Descriptions of departmental minors may be found on the page indicated below.

| Academic Minor | Page | Academic Minor | Page |
|---|-------------|---|-------------|
| Accounting | 283 | Geomorphology | 143 |
| Anthropology | 234 | Health | 344 |
| Art History | 253 | History | 156 |
| Astronomy Outreach and Public Presentation | 205 | | |
| Biochemistry | 103 | Hydrogeology | 126 |
| Biology | 88 | Management Information Systems | 111 |
| Business Administration | 289 | Mathematics | 170 |
| Business Information Systems Management | 301 | Modern Languages | 177 |
| Chemistry | 102 | Music | 188 |
| Coaching | 264 | Philosophy | 202 |
| Communication | 304 | Phys. Educ. & Sport Leisure Management | 263 |
| Computer Engineering Sciences | 110 | Physical Science | 205 |
| Computer Science | 107 | Physics | 205 |
| Criminology | 233 | Political Science | 209 |
| Digital Art and Design | 259 | Psychology | 218 |
| Economics | 314 | Social Informatics | 229 |
| English | 120 | Sociology | 232 |
| Environmental Earth Science | 137 | Spanish | 177 |
| French | 179 | Studio Art | 247 |
| Geographic Information Systems | 270 | Sustainable Energy Studies | 275 |
| Geography | 154 | Theatre | 188 |
| | | Writing | 123 |

Interdisciplinary Minors

Eleven interdisciplinary minors are available: African American/Third World Studies, Asian Studies, Canadian Studies, Geographic Information Systems, Latin American Studies, New England Studies, Peace and Human Rights, Pre-Law, Public Health, Sustainable Energy Studies and Women's Studies.

Minor: African American/Third World Studies

Stacey K. Close, *Coordinator*

African American/Third World Studies is an interdisciplinary program which focuses on the study of the cultures, philosophies, politics, social-political structures, economies, arts, and music of African American and Third World peoples who share post-colonial and post-imperial experiences. The minor consists of 18 credits.

Required courses

| | | | |
|-----|-----|--|---|
| AAT | 201 | Introduction to African American/Third World Studies | 3 |
| HIS | 116 | Introduction to Modern World | 3 |

In addition to the required courses, students choose to follow one of two tracks: Track A – African American or Track B – Third World.

A student must complete three courses from Track A and one course from Track B for the African American focus; or three courses from Track B and one course from Track A for the Third World focus.

Cultural content areas

Note: An asterisk (*) denotes that prior approval of the program coordinator is required. Students wishing to apply courses other than the ones listed below must first receive permission of the program coordinator.

Track A – African American

| | |
|----------|--|
| ENG 242* | Literature and Social Issues |
| ENG 255 | African American Literature |
| ENG 344 | Literature of Africa |
| ENG 345 | American Ethnic Minority Literature |
| HIS 243 | Churches and the Civil Rights Movement |
| HIS 245 | African American Religion |
| HIS 321 | African American History to 1877 |
| HIS 322 | African American History Since 1877 |
| FLM 322* | Film Appreciation: World Cinema |
| MUS 314* | Folk Music |
| PSC 422 | Seminar: The United States |
| SOC 250 | Social Inequality |

Track B – Third World

| | |
|----------|---|
| ANT 264 | Medical Anthropology (Health Behaviors) |
| ANT 337 | Urban Anthropology: Third World Focus |
| ENG 344 | Literature of Africa |
| FLM 322* | Film Appreciation: World Cinema |
| HIS 116 | Introduction to Modern World |
| HIS 355 | Development of Socialism |
| HIS 375 | History of Japan |
| MUS 130 | Introduction to World Music |

| | |
|---------|---|
| PHI 210 | Asian Philosophies |
| PSC 230 | Middle Eastern Politics |
| PSC 250 | Asian Politics |
| PSC 420 | Seminar: The United States and Asia |
| PSC 422 | Seminar: The United States and the Middle East and Africa |

Courses of Instruction: African American/Third World Studies

AAT 201 INTRODUCTION TO AFRICAN AMERICAN/THIRD WORLD STUDIES

3 CREDITS

This course is designed to survey the African-American and Third World experiences through cultural, historical, political and philosophical perspectives. To that end, this course will unveil the interdependency and interconnectedness that African-Americans and Third World peoples have and share with the world.

Minor: Asian Studies

David Pellegrini, *Coordinator*

The Asian Studies Minor encourages students to make interdisciplinary connections while introducing them to the rich histories and cultures of a world region which has made major contributions to the human experience. Students are exposed to the background and current circumstances of an increasingly vital part of the globe. The Asian Studies Minor has particular strengths in China, Japan, Korea, and India and complements an array of majors, including business, communications, economics, education, history, performing arts, political science, sociology, and visual arts. It provides students with a background for a wide variety of jobs and for graduate study.

The minor consists of a minimum of five courses and a minimum of 15 credit hours.
*Courses should be chosen from the following list and must include courses from at least two disciplines:

| | |
|---------|------------------------------------|
| ART 225 | Asian Art and Culture |
| BUS 450 | International Business |
| CHI 110 | Introductory Chinese I |
| CHI 111 | Introductory Chinese II |
| ENG 258 | Asian-American Literature |
| HIS 275 | Introduction to East Asian History |
| HIS 371 | The Making of China's Tradition |
| HIS 372 | China in Revolution |
| HIS 373 | Mao's China |
| HIS 374 | Early Japan |
| HIS 375 | Modern Japan |
| JPN 110 | Introductory Japanese I |
| JPN 111 | Introductory Japanese II |
| JPN 116 | Introduction to Japanese Culture |
| MUS 330 | Korean Music and Culture |
| PHI 210 | Asian Philosophies |
| PSC 230 | Middle Eastern Politics |
| PSC 250 | Asian Politics |
| THE 269 | Asian Theatre and Performance |

Students must earn a grade of C or better in all courses that are counted toward the minor.

Special Topics courses, Colloquia, Independent Studies, Seminars, and Travel courses may count toward the minor where the topic is appropriate; consent of the Program Coordinator required.

No more than two courses in an Asian language may count toward the minor's course minimum.

Of Independent Studies, Seminars and Travel courses, no more than two may count toward the minor's course minimum.

A minimum of three courses in the minor must be taken in residence at Eastern Connecticut State University.

Nine credit hours must be unique to the minor and not shared with other majors or minors.

Minor: Canadian Studies

Robert Horrocks, *Coordinator*

The Canadian Studies Program is an interdisciplinary and internationally focused minor which seeks to broaden the student's understanding of Canadian society, past and present. In addition to the course, there is an active Canada Club, which sponsors trips to Canada and hosts distinguished speakers from Canada. Students in Canadian Studies classes have also taken study trips to Canada to visit health and social-assistance agencies and have visited Kanawake, the Mohawk Reserve, and Québec.

The Canadian Studies minor is excellent for students seeking a cross-cultural course of study. It complements fields such as business, health care, teaching, and human services.

The Canadian Studies minor requires 15 credits in courses labeled CAS, one of which is CAS 201.

The minor consists of 15 credits as follows:

Required Course:

CAS 201 Introduction to Canadian Studies (ANT 201) 3

Choose four:

CAS 222 Native People of Canada (ANT 222) 3

CAS 271 History of Canada (HIS 271) 3

CAS 305 Comparative Public Administration (PSC 305) 3

CAS 310 Environmental Chemistry (CHE 310) 3

CAS 317 Modern Canadian Literature (ENG 317) 3

CAS 329 Political Economy of Labor Relations (ECO 329) 3

CAS 340 Canadian Health (ANT 340) 3

CAS 365 Topics in French and Francophone Studies 3

CAS 370 Business Perspectives Canada/U.S. (BUS 370) 3

CAS 465 Special topics in Canadian Studies 3

CAS 480-81 Independent Study in Canadian Studies 3

CAS 490-91 Internship in Canadian Studies 3

Course of Instruction: Canadian Studies

CAS 201 (ANT 201) INTRODUCTION TO CANADIAN STUDIES 3 CREDITS

This course is an overview of Canadian society and culture. A fundamental question to consider is why and how Canada developed as it did, and evolved into a nation whose values and social, political and economic systems are a contrast to that of the United States.

CAS 222 (ANT 222) NATIVE PEOPLE OF CANADA 3 CREDITS

This course explores the cultures of the native people of Canada, including the Indians, Inuits and Métis from prehistory to the present. This course will involve readings, lectures, films, the writing of papers and class participation.

CAS 271 (HIS 271) THE HISTORY OF CANADA 3 CREDITS

This survey course in Canadian History examines political, social and economic events in Canada before and after Confederation. Special emphasis will be placed on recent U.S./Canadian affairs.

CAS 305 (PSC 305) COMPARATIVE PUBLIC ADMINISTRATION 3 CREDITS

An examination of the substantive and procedural processes of the administrative sectors of the U.S. and Canadian governments. Employs a comparative methodology to illustrate the growing interdependence of policy formation and administrative practice. It explores how economic interdependence implies the conveyance of the administrative practice of the trading partners.

CAS 310 (CHE 310) ENVIRONMENTAL CHEMISTRY 3 CREDITS

PREREQUISITES: CHE 210 and CHE 213

A study of current environmental problems and practices related to chemistry and the chemical process industries. Biogeochemical cycling of elements in the context of air, water, food and land usage are discussed. Energy resources and the energy crisis are related to environmental restraint and pollution abatement policies.

CAS 329 (ECO 329) POLITICAL ECONOMY OF LABOR RELATIONS

PREREQUISITES: CHE 210 and CHE 213 **3 CREDITS**

A study of the political, economic and cultural context of work. Specific topics include the impact of technology, public policy, immigration, and forms of capital ownership on the nature of work and workers, the historical development and current role of labor unions, and the role of women in labor markets.

CAS 329 (BUS 329) INTERNATIONAL MARKETING 3 CREDITS

PREREQUISITE: CHE 210 and CHE 213

A multicultural perspective used to view the development of marketing plans and strategies in international business. Application of the marketing concept and marketing mix is examined with special attention to developing countries. Also included are export marketing and international marketing research.

CAS 340 (ANT 340) CANADIAN HEALTH 3 CREDITS

This course is an examination of medical anthropology in Canada, bilingualism, health issues of Native Canadians (Inuits, Aleuts, etc.) and immigration. The purpose of this course is to explore Canadian society, especially in reference to its health care system, and its ideas of health, illness, and governmental responsibility.

CAS 365 TOPICS IN CANADIAN STUDIES**3 CREDITS**

A Canadian content course in which special topics of faculty interest provide the content. This course will reflect the multi-disciplinary nature of the Canadian studies program and will vary from year to year and semester to semester.

CAS 370 (BUS 370) BUSINESS PERSPECTIVES, CANADA/U.S. 3 CREDITS

A comparative study of Canada and the United States from the standpoint of business and economics and the emerging North American common market. Includes the Free Trade Agreement and other international links as well as regulatory and industrial policies and the effects of fiscal, monetary and social policies.

CAS 465 SEMINAR IN CANADIAN STUDIES**3 CREDITS**

Open only to students minoring in Canadian Studies. The seminar will focus on selected topics in Canadian studies.

Minor: Geographic Information Systems

Roy R. Wilson, *Coordinator*

A geographic information system stores, analyzes, and displays spatially oriented data to improve decision-making. The key to the rapid growth of GIS is its ability to integrate data and to model complex physical processes. Environmental scientists are using it for applications such as environmental impact analysis, hydrological modeling, and biodiversity studies. The objective of the minor is to enable the student to apply spatial analysis principles to their academic discipline.

The minor consists of a minimum of 17 credit hours. Nine of these hours must be unique to the minor.

Requirements

| | | |
|---------|---|---|
| EES 340 | Geographic Information Systems | 4 |
| EES 342 | Advanced Geographic Information Systems | 4 |
| EES 444 | GIS Applications in Environmental Science | 3 |
| | or | |
| EES 480 | Independent Study (GIS Application Project) | 3 |

Optional Courses

At least two additional courses approved by the GIS coordinator

Course of Instruction: Geographic Information Systems**EES 340 GEOGRAPHIC INFORMATION SYSTEMS WITH LAB 4 CREDITS**

This is an introductory course. GIS is a spatial analysis system designed to improve environmental decision-making. Course objectives are to examine how digital earth resources data are collected, stored, analyzed, and displayed. The emphasis will be on environmental problems, although we will discuss additional applications.

EES 342 ADVANCED GEOGRAPHIC INFORMATION SYSTEMS WITH LAB 4 CREDITS

This course explores advanced topics in spatial analysis. We will investigate strategies for the integration of digital earth resources data in environmental modeling and gain experience in the use of advanced spatial analysis software.

EES 444 GIS APPLICATIONS IN ENVIRONMENTAL SCIENCE 3 CREDITS

This course will be a capstone experience in integrating environmental science courses and applying that knowledge to an environmental problem. Each student will develop a GIS application project and present it in a written, poster, or oral format.

Minor: Latin American Studies

James W. Russell, *Coordinator*

Latin American Studies is an interdisciplinary minor specializing in the histories, cultures, and social structures of the region.

The minor consists of 15 credits. The courses that may be used to fulfill the requirement include:

1. Up to six credits may be counted from intermediate (200-level) or above-level courses in one or more of the languages of the region.
2. The following courses currently taught at Eastern
 - ANT 225 Contemporary Puerto Rican Culture and Society
 - SPA 318 Latin American Civilization
 - SPA 323 Latin American Literature
 - HIS 255 Introduction to Latin America
 - HIS 341 Colonial Latin America
 - HIS 342 Modern Latin America
 - HIS 345 History of Mexico
 - HIS 346 Central America
 - HIS 347 History of Brazil
 - PSC 240 Latin American Politics
 - SOC 355 Latin America: Structure, Change and Development
 - SOC/SPA/356 America Latina (taught in Spanish)
 - MCL/
 - ENG/
 - WST 324 Literature by Women Authors of Latin America
3. Other Latin America-related courses from Eastern or other universities with the consent of the Coordinator.
4. Independent studies courses that focus on a Latin America-related issue.

Minor: New England Studies

Barbara M. Tucker, *Coordinator*

The New England Studies minor is available for History majors as well as for students majoring in other disciplines whose professional and vocational careers may be strengthened by a knowledge of the distinctive values and characteristics of historic and contemporary New England. The minor emphasizes interdisciplinary study with varied course offerings that utilize traditional classroom lectures and discussions as well as individual research, internships, and field experiences.

The New England Studies minor consists of a minimum of 15 credits.

Required Courses

| | | |
|-----|-----|-------------------------------------|
| NES | 200 | Introduction to New England Studies |
| NES | 400 | Seminar in New England Studies |

Electives

Select three courses from the following:

| | | |
|---------|-----|---------------------------------------|
| ART | 305 | Art of New England |
| HIS | 320 | Connecticut History |
| HIS | 325 | Expansion of New England |
| NES/HIS | 250 | History of New England |
| NES | 315 | Field Studies in Historic New England |
| NES/ENG | 342 | Literature of New England |
| NES/ENG | 343 | Folklore and Folklife of New England |

Courses of Instruction: New England Studies

NES 200 INTRODUCTION TO NEW ENGLAND STUDIES 3 CREDITS

The principal features and values of New England society from the colonial era to the present are examined through a survey of the region's natural history, folk cultures, literature, economic life and history.

NES 250 (HIS 250) HISTORY OF NEW ENGLAND 3 CREDITS

This course is designed to provide an overview of New England's cultural, economic, and political development from the colonial period to the present. The values, institutions, and ideas first found in New England often became the model for the rest of the country. Issues associated with the New England town, the growth of religion, industrialization, immigration, and urbanization are also discussed.

NES 315 FIELD STUDIES IN HISTORIC NEW ENGLAND 3 CREDITS

Methods of interpreting the historical environment are introduced through a practical hands-on work experience at the Samuel Huntington House (in Scotland, CT) or other sites.

NES 342 (ENG 342) LITERATURE OF NEW ENGLAND 3 CREDITS

PREREQUISITES: ENG 100 AND A 100- OR 200-LEVEL LITERATURE COURSE

Writers reflecting the distinctive culture and ambience of New England, possibly including Thoreau, Hawthorne, Dickenson, Stowe, Frost, Jewett, Freeman.

NES 343 (ENG 343) FOLKLORE AND FOLKLIFE OF NEW ENGLAND 3 CREDITS

Introduces students to traditional and customary lore of New England. Emphasis on Yankee storytelling traditions as represented in popular beliefs, anecdotes, local and personal legends, ballads and folk customs.

NES 400 SEMINAR IN NEW ENGLAND STUDIES 3 CREDITS

A research and writing seminar on selected topics that analyze New England's history and culture.

Note: For a description of the History courses, consult Courses of Instruction: History (page 161)

Minor: Peace and Human Rights

Hope K. Fitz, *Coordinator*

The Peace and Human Rights Studies minor is a 15-hour interdisciplinary program compatible with any undergraduate major. The program draws on all disciplines which have peace and human rights components including anthropology, art, business, history, literature, philosophy, political science, sociology and woman's studies. Students are encouraged to think critically and to broadly explore issues of fundamental significance in today's world relating to peace and human rights.

The Peace and Human Rights minor consists of a minimum of 15 credits.

Required Courses: six credits

| | |
|---------|------------------------------|
| PHI 200 | Peace & Human Rights |
| PHI 400 | Peace & Human Rights Seminar |

A 400-level Independent Study, in a variety of disciplines, may substitute for PHI 400 only when approved by the Peace and Human Rights Coordinator prior to enrolling in the course.

Electives: nine credits

Select from the following. Substitutions may be made only with the prior approval of the Coordinator.

| | |
|-----------------|---|
| ANT 358 | Anthropology of Violence |
| ART 369 | African American Art |
| BUS 466 | Nonprofit Management |
| HIS 243 | Churches and the Modern Civil Rights Movement |
| HIS 346 | Central America |
| HIS 391 | Religion, War, & Peace in Early Modern Europe |
| PHI 220 | Ethics |
| PHI 340 | Philosophy of War |
| PHI 370 | Human Rights: Natural and Civil |
| PSC 314 | Modern Social and Political Thought |
| PSC 315 | American Social and Political Thought |
| PSC/ WST 326 | Politics of Gender, Race, Class and Ethnicity |
| SOC/ WST 208 | Gay, Lesbian and Bisexual Lives |

Minor: Pre-Law

William Salka, *Coordinators*

Admission to law school is very competitive. Students who are serious about pursuing a career in law are strongly encouraged to dedicate much time and energy to preparing for this demanding process. Students entering the Pre-Law minor program as freshmen or sophomores must have a program of study approved by their Pre-Law advisor prior to the completing of 60 credits at Eastern. Transfer students must have their program approved prior to the completion of 30 credits at Eastern. Students should work closely with their Pre-Law advisor throughout their time at Eastern to prepare them best for admission to law school.

The Pre-Law minor program is designed to complement a student's major with coursework that prepares the student for the Law School Admissions Test (LSAT) and strengthens the student's skills in areas needed for success in law school, including critical thinking, logical reasoning, and effective writing. In addition to developing cognitive skills, the Pre-Law program is designed to provide students with a background that will help them understand the nature, workings, and justification of the law.

The Pre-Law minor program consist of 21 credits.

Creative and Analytical Thinking: six credits

Required:

PHI 215 Logical Inquiry

Choose one:

ENG 241 Critical and Creative Thinking

PHI 220 Ethics

Writing and Communication: six credits

Choose two:

ENG 200 Reading and Writing Argument

ENG 371 Rhetoric/Rhetorical Theory

COM 230 Basic Speech

COM 330 Organizational Communication

Understanding Governmental and Social Institutions: six credits

Choose two:

PSC 110 American Government and Politics

PSC 339 Constitutional Law I

PSC 340 Constitutional Law II

PSC 341 Judicial Process

PSC 350 Public Policy/Decision Making

SOC 101 Criminal Justice and Society

SOC 325 Law and Society

Understanding Business and Economics: 3 credits

Choose one:

ECO 200 Principles of Macroeconomics

ECO 201 Principles of Microeconomics

BUS 250 Business Law I

Pre-Law Internship

Students are also highly encouraged to gain experience in the legal field through an internship or practicum.

PSC 492 Law Internship

SOC 375 Seminar and Field Instruction

SOC 490 Internship in Applied Criminology

Minor: Public Health Studies

Yaw Nsiah, *Coordinator*

The minor in Public Health Studies is designed to provide students with the multidisciplinary understanding needed to deal with public health issues at the local, state, national and international level. The coursework introduces them to the concepts governing the spread of diseases, techniques of disease surveillance, the impact of environmental quality and security on public health as well as the psychological and sociological factors that affect health dynamics at the population/community scale. The field internship experience provides access to real-life community health problems from a variety of disciplines, depending on the type of agency involved.

The minor in Public Health Studies consists of 18 credits (PBH to be used as the three-letter code for cross listing Public Health program courses).

Required Courses: Total 18 credits

| | | |
|-----------------|------------------------------------|-----------|
| BIO 228/PBH 228 | Introduction to Public Health | 3 credits |
| BIO 202 | Human Biology | 3 credits |
| HPE 209 | Nutrition and Public Health Issues | 3 credits |
| PSY 325 | Health Psychology | 3 credits |
| SOC 107 | Social Problems | 3 credits |
| PBH 494 | Field Internship in Public Health | 3 credits |

Minor: Sustainable Energy Studies

Fred Loxson, *Coordinator*

The production and consumption of energy, especially energy based on fossil fuels, is a major source of environmental and social problems in the U.S. and the world, including global warming, air pollution, ecosystem destruction, and economic instability. Continuing growth in conventional energy consumption is not sustainable into the indefinite future and transition to an economy based on renewable energy technologies such as hydroelectric, solar, and wind energy is inevitable. Sustainable Energy Studies is the study of this transition through the perspectives of the natural sciences and the social sciences. Students who minor in Sustainable Energy Studies will be prepared to work as energy policy specialists in government, industry, and education.

The objectives of the minor in Sustainable Energy Studies are:

- 1) To introduce students to the emerging field of sustainable energy studies
- 2) To prepare students for post-graduate employment involving energy policy;
- 3) To ensure that science students understand the social economic implications of energy technology;
- 4) To ensure that social science students comprehend the technological and scientific basis of energy policy; and
- 5) To prepare educators to teach about energy science and energy policy.

The minor consists of 15 hours.

Required courses:

| | | |
|---------|---|---|
| EES 205 | Sustainable Energy and the Environment* | 3 |
| EES 305 | Sustainable Energy Resources | 3 |
| EES 306 | Sustainable Energy Applications | 3 |

Two courses or approved substitutions from the following list:

| | | |
|---------|--|---|
| BIO 308 | General Ecology | 3 |
| ECO 201 | Principles of Microeconomics | 3 |
| EES 307 | Sustainable Energy and Sustainable Development | 3 |
| EES 405 | Sustainable Energy Analysis | 3 |
| EES 480 | Independent Study in Earth Science* | 3 |
| EES 491 | Internship in Environmental Earth Science** | 3 |
| PSC 351 | Environmental Politics and Policy | 3 |
| PSC 353 | Natural Resources Politics | 3 |

*EES 304 can be substituted for EES 205. Both cannot be taken for credit.

**Topic must be approved and must be consistent with the minor.

Minor: Women's Studies

Marcia P. McGowan, *Director*

Women and their achievements, as well as society's treatment and view of women, comprise the subject matter for Women's Studies. The student who chooses Women's Studies as a non-degree minor must select 15 credits from the following:

Required Course:

WST 260 Introduction to Women's Studies

Twelve additional credit hours from the following:

| | |
|----------|---|
| WST 208 | Gay, Lesbian and Bisexual Lives |
| WEST 212 | Marriage and the Family |
| WST 225 | Women and Politics |
| WST 228 | Poetry of Women |
| WST 231 | Women Writers from French-Speaking Countries |
| WST 240 | Sociology of Gender and Sex Roles |
| WST 244 | Immigrant Women |
| WST 266 | Mini-Lit [when the topic is a woman or women] |
| WST 310 | Women and Crime |
| WST 315 | Psychology of Gender |
| WST 317 | Women and Family in Western Society |
| WST 324 | Literature by Women Authors of Latin America |
| WST 326 | Politics of Race, Class and Gender |
| WST 347 | Black Women's Studies |
| WST 355 | Women and the Visual Arts |

| | |
|---------|--|
| WST 356 | Women Writers to 1900 |
| WST 357 | 20th Century Women Writers |
| WST 465 | Studies in Sociology [when the topic is women] |
| WST 480 | Independent Study |
| WST 490 | Internship in Women's Studies |

Credit for any other women-related courses must be approved through the director of Women's Studies.

Courses of Instruction: Women's Studies

WST 208 (SOC 208) GAY, LESBIAN AND BISEXUAL LIVES 3 CREDITS

The class is an exploration into a range of topics in the lives of gay, lesbian and bisexual people and the society and culture in which they exist. Topics may include definitions; historical contest; transgender issues; social movement emergence; identity issues; identity politics; reactions of society to gay people; information about homosexuality; understanding of attitudes and policies toward gays; family issues; gay culture, community and diversity. Helps students to understand and relate to the diversity of gay, lesbian and bisexual persons in everyday life.

WST 212 (SOC 212) MARRIAGE AND THE FAMILY 3 CREDITS

Changes in the structure of family life and patterns of child rearing, and developments affecting contemporary living.

WST 227 (PSC 227) WOMEN AND POLITICS 3 CREDITS

This course will examine the role of women in politics from participation to representation. Students will evaluate the role that women have played over time in the development of our political system.

WST 228 (ENG 228) POETRY OF WOMEN 3 CREDITS

Explores the work of several 19th- and 20th-century women poets. Poetry is approached through an examination of a women's tradition of literary influence and through observing how women re-structure social relations and ethical beliefs through the invention of new symbolic orders, new mythologies, and new narratives that empower the lives of women and men.

WST 231 (FRE 231, MCL 231) WOMEN WRITERS FROM FRENCH-SPEAKING COUNTRIES 3 CREDITS

Course will emphasize themes, style, society and culture in works of fiction by contemporary Francophone women writers from North Africa, sub-Saharan Africa, the Caribbean, and Southeast Asia. This course is taught in English and may be repeated for credit with change in content.

WST 240 (SOC 240) SOCIOLOGY OF GENDER AND SEX ROLES 3 CREDITS

Contrasting social experiences of human males and females in this society from infancy throughout the life cycle, as these result in differentiation of social roles and self-conceptions for adult men and women

WST 244 (HIS 244) IMMIGRANT WOMEN**3 CREDITS**

This course will focus on the complex history of European, Asian, Spanish-speaking, and Caribbean women, who immigrated to the United States from the 19th century to the present. Like all immigrants, women faced great difficulties. Yet their encounter with America was not the same as immigrant men's. We will study the way their identity as women shaped the roles, opportunities, and experiences available to them in the family, the workplace, the community, and the nation.

WST 260 INTRODUCTION TO WOMEN'S STUDIES**3 CREDITS**

Note: Required of all women's studies minors. Recommended for those wishing to take advanced women's studies-related courses.

Provides necessary contextual background for the study of women and literature as well as the study of the cultural history of women.

WST 266 (ENG 266) MINI-LIT**1 CREDIT**

Courses on various women writers listed from semester to semester. Courses run five weeks each and may be repeated from one to three times each, with topic changes.

WST 310 (SOC 310) WOMEN AND CRIME**3 CREDITS**

PREREQUISITE: SOC 100

Examines the involvement of women and girls in the criminal justice system from a sociological perspective. Explores a variety of issues relevant to women and girls as victims, offenders, and working professionals within the system.

WST 315 (PSY 315) PSYCHOLOGY OF GENDER**3 CREDITS**

PREREQUISITE: CONSENT OF INSTRUCTOR

Examines the biological and psychological aspects of sex differences. It explores the research and controversies in the areas of intelligence, ability, and personality and includes historical and current feminist perspectives.

WST 317 (HIS 317) WOMEN AND FAMILY IN WESTERN SOCIETY**3 CREDITS**

This course examines the evolution of the family and women's roles in Europe from the Reformation to the 20th-century. Important themes include education, childrearing, demographic changes, the household economy, changing gender roles, feminism, the effects of new ideologies on ideas of the family, and the development of the welfare state.

WST 324 (ENG 324, MCL 324) LITERATURE BY WOMEN AUTHORS OF LATIN AMERICA**3 CREDITS**

Course will emphasize theme, style, and society in the works of fiction written by Latin American women.

WST 326 (PSC 326) POLITICS OF RACE, CLASS AND GENDER**3 CREDITS**

This course provides perspectives on identity politics, the complex interaction between the categories of race, class, gender and ethnicity. Students will examine the role that race, class, gender and ethnicity play in our politics on a personal, local and national level.

WST 347 (SOC 347) BLACK WOMEN'S STUDIES**3 CREDITS**

PREREQUISITE: SOC 100 OR CONSENT OF INSTRUCTOR

This course examines the complex experience of being a Black woman in America. It addresses such topics as identity, Black feminism, Black/White sisterhood, social mobility, and activism from a socio-historical perspective.

WST 355 (ART 355) WOMEN AND THE VISUAL ARTS**3 CREDITS**

An introduction to women artists from diverse cultures throughout history and the ideological issues critical to understanding their contributions to the visual arts. Examines the social and cultural context in which women worked as well as the ways that women have been represented in art throughout the ages.

WST 356 (ENG 356) WOMEN WRITERS TO 1900**3 CREDITS**

Concentrates on poetry, prose, and drama written by women and may focus on a particular period, theme or genre at the discretion of the instructor.

WST 357 (ENG 357) 20th CENTURY WOMEN WRITERS**3 CREDITS**

Addresses the works of such modern women writers as Woolf, Wharton, Cather, Lessing, Morrison, A. Walker, Atwood, Silko, Hong Kingston, and others.

WST 465 (SOC 465) STUDIES IN SOCIOLOGY**3 CREDITS**

Note: May be repeated for credit with a topic change.

Advanced investigation and analysis of selected topics in Sociology and Applied Social Relations as they apply to women. Topics to be determined by student request and/or instructor interest.

WST 480 INDEPENDENT STUDY**3 CREDITS****WST 490 INTERNSHIP IN WOMEN'S STUDIES****3 CREDITS**

(Credit for any other women's-related courses must be approved through the Women's Studies director).

School of
*Education and
Professional Studies*



The School of Education and Professional Studies

Patricia A. Kleine, *Dean*

The School of Education and Professional Studies builds on a strong foundation in liberal arts and offers a variety of academic programs and experiences for students to acquire the skills, knowledge, attitudes, and values necessary for successful performance in the professions. The program at Eastern is designed to encourage students to develop a theoretical base as well as to engage in practical experiences which will serve as a basis for continued development in a complex and rapidly changing society.

Students are recruited by educational, business, industrial, and nonprofit organizations because of the organizational and interpersonal relations skills they develop through their programs. These skills are brought into sharp focus by a variety of field experiences which the students complete during their junior and senior years.

The faculty of the School of Education and Professional Studies support the mission of the University, its planned selective emphasis in professional education, and strong commitment to the liberal arts.

BUSINESS ADMINISTRATION

Chairperson: *Jefferey Schaller*

Professors: *Branko Cavarkapa, Ronald M. Lowy, Doncho Petkov, Moh'd Rujoub, Jeffrey Schaller*

Associate Professors: *Katalin Eibel-Spanyi, Craig Erwin, Kwangsoo Lim, Eric Martin, Chiaku Chukwuogor, Elizabeth Scott, Richard Silkoff*

Assistant Professors: *Alex Citurs, Weiping Liu*

Major: Accounting (B.S.)

Moh'd RuJoub, *Coordinator*

Objectives

The Bachelor of Science degree in Accounting provides introductory and advanced courses in financial and managerial accounting, auditing, taxation and information systems. Successful students are prepared for positions in various types of business organizations and nonprofit entities.

Students majoring in accounting will be expected, through proper faculty advisement, to attain a desirable level of proficiency in the English language, mathematics, and business information systems. To develop educational breadth and depth, majors will be required to sample widely from the arts, humanities, natural and social sciences.

Student seeking professional careers in accounting, particularly with public accounting firms, are encouraged to pursue a graduate degree in Accounting. The requirements for a Master of Science in Accounting are presented in the Graduate Division section of this catalog.

Admission to the Program

Students majoring in accounting will be required to register their intent with the accounting faculty no later than the end of their sophomore year. The Bachelor of Science program will

be primarily a junior/senior course of study and admission will be competitive. Students must have attained a cumulative GPA of 2.7. An Accounting major whose cumulative GPA falls below 2.7 for two consecutive semesters, will be dismissed from the major.

Degree Requirements

To graduate with a Bachelor of Science degree in Accounting, a total of 57 credits will be required in the major, consisting of nine credits of related course requirements, 18 credits of common accounting core requirements and 30 credits of advanced accounting study. A minimum of 24 semester hours of the advanced accounting requirements must be completed in residence at Eastern.

Students majoring in Accounting are exempted from GER Category IVB through successful completion of ECO 200 or ECO 201.

Transfer students with more than 30 credits should consult with the department chairperson as early as possible.

All B.S. Accounting majors must complete the following courses:

Related Course Requirements:

| | |
|---------|---------------------------------------|
| ECO 200 | Principles of Macroeconomics |
| ECO 201 | Principles of Microeconomics |
| ECO 215 | Statistics for Business and Economics |

Common Business Core Requirements:

| | |
|---------|----------------------------|
| ACC 201 | Principles of Accounting I |
| BUS 201 | Principles of Management |
| BUS 225 | Principles of Marketing |
| BUS 245 | Finance |
| BUS 250 | Business Law I |
| BUS 300 | Business Law II |

Advanced Accounting Requirements:

| | |
|---------|--|
| ACC 301 | Intermediate Accounting I |
| ACC 302 | Intermediate Accounting II |
| ACC 303 | Intermediate Accounting III |
| ACC 310 | Cost Accounting Systems |
| ACC 311 | Advanced Managerial Accounting |
| ACC 410 | Advanced Financial Accounting |
| ACC 411 | Contemporary Issues in Accounting |
| ACC 412 | Auditing |
| ACC 416 | Federal Income Taxation |
| ACC 420 | Accounting Information Technology and Business Solutions |

Recommended Course Sequence: Accounting Major (B.S.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|---------|------------------------------|---|
| ENG 100 | College Writing | 3 |
| MAT *** | Mathematics above Algebra II | 3 |

| | | |
|------|------------------------------------|-------------------|
| T1Q | First Year Liberal Arts Colloquium | 3 |
| T1HW | Health and Wellness | 3 |
| | Other LAC Tier 1 Requirements | 18 |
| | Total for Year | 30 credits |

Second Year

| | | |
|---------|---------------------------------------|-------------------|
| ECO 200 | Principles of Macroeconomics | 3 |
| ECO 201 | Principles of Microeconomics | 3 |
| ECO 215 | Statistics for Business and Economics | 3 |
| BUS 201 | Principles of Management | 3 |
| BUS 250 | Business Law I | 3 |
| ACC 201 | Principles of Accounting I | 3 |
| ACC 301 | Intermediate Accounting I | 3 |
| | General Education Requirements | 9 |
| | Total for Year | 30 credits |

Third Year

| | | |
|---------|---|-------------------|
| ACC 302 | Intermediate Accounting II | 3 |
| ACC 303 | Intermediate Accounting III | 3 |
| ACC 310 | Cost Accounting Systems | 3 |
| ACC 311 | Advanced Managerial Accounting | 3 |
| BUS 225 | Principles of Marketing | 3 |
| BUS 245 | Finance | 3 |
| BUS 300 | Business Law II | 3 |
| ACC 416 | Federal Income Taxation | 3 |
| | General Education Requirements or Electives | 6 |
| | Total for Year | 30 credits |

Fourth Year

| | | |
|---------|---|-------------------|
| ACC 410 | Advanced Financial Accounting | 3 |
| ACC 411 | Contemporary Issues | 3 |
| ACC 412 | Auditing | 3 |
| ACC 420 | Accounting Information Technology and Business Solutions | 3 |
| | Electives * | 18 |
| | Total for Year | 30 credits |

** Two graduate courses may be selected with written approval of the accounting faculty*

Minor: Accounting

Objectives

The Accounting minor is designed to enable students with other various majors: (1) to study accounting principles, practices and procedures that apply to financial reporting, (2) to develop the critical thinking skills needed to understand the consequences of those accounting principles.

The minor in Accounting is open to all university students and is designed to provide flexibility to those who wish to enrich their major area with greater understanding of the accounting procedures and techniques.

Students who wish to minor in Accounting must take 15 credits as follows:

| | | |
|---------|-----------------------------|-------------------|
| ACC 201 | Principles of Accounting I | 3 |
| ACC 301 | Intermediate Accounting I | 3 |
| ACC 302 | Intermediate Accounting II | 3 |
| ACC 303 | Intermediate Accounting III | 3 |
| | Total | 12 credits |

Three Credit Hours from the following Electives:

| | | |
|---------|--------------------------------|------------------|
| ACC 310 | Cost Accounting Systems | 3 |
| ACC 311 | Advanced Managerial Accounting | 3 |
| ACC 416 | Federal Individual Taxation | 3 |
| | Total | 3 credits |

Courses of Instruction: Accounting

ACC 201 PRINCIPLES OF ACCOUNTING I 3 CREDITS

An introduction to fundamental accounting concepts and generally accepted accounting principles. Emphasis is placed on understanding accounting as it is applied in serving the needs of business and society, the evolution of accounting, the basic accounting structure, and the preparation and interpretation of financial statements.

ACC 202 PRINCIPLES OF MANAGERIAL ACCOUNTING II 3 CREDITS

PREREQUISITE: ACC 201

Note: Only for Business majors.

An introduction to the principles and concepts needed to generate information for managers. Emphasis is placed on managerial accounting principles, cost systems and strategic decision making.

ACC 301 INTERMEDIATE ACCOUNTING I 3 CREDITS

PREREQUISITE: ACC 201

To discuss in-depth traditional intermediate financial accounting topics as well as the recent developments in accounting valuation and reporting practices promulgated by the leading professional accounting organizations and applied by practitioners in industry and public accounting. The material presented is balanced in order to insure that the conceptual discussions and procedural presentations are mutually reinforcing. Emphasis is placed on the conceptual framework underlying financial accounting, financial statement preparation, and asset recognition and measurement.

ACC 302 INTERMEDIATE ACCOUNTING II 3 CREDITS

PREREQUISITE: ACC 301

A continuation of Intermediate Accounting I. A concentrated study of stockholder equity, dilutive securities and investments, income and expense measurement and the preparation and analysis of financial statements. The behavioral and economic consequences of accounting and reporting alternatives will also be considered.

ACC 303 INTERMEDIATE ACCOUNTING III**3 CREDITS**

PREREQUISITE: ACC 302

A continuation of Intermediate Accounting II. An advanced study of specialized financial accounting topics and recent developments in accounting practices promulgated by the leading professional accounting organizations.

ACC 310 COST ACCOUNTING SYSTEMS**3 CREDITS**

PREREQUISITE: ACC 302

Covers fundamental principles and procedures needed for planning, evaluating and controlling the organization's internal activities. Students are exposed to accounting systems that are designed to provide information for managers in a wide variety of organizations as they strive to make decisions regarding budgeting, product pricing, production levels, and inventory valuations. Students learn how to work effectively with accounting information that involves job-order costing, process costing, and standard costing.

ACC 311 ADVANCED MANAGERIAL ACCOUNTING**3 CREDITS**

PREREQUISITES: ACC 310 AND ACC 302

Provides the information management needs at both the executive and operational levels to manage costs and provide for the revenue stream. With a cost management system, the student provides data which enables managers to view costs in multiple ways, plan more effectively, measure performance more accurately, and reduce unnecessary spoilage and waste. Topics covered include capital budgeting, inventory valuation and control, linear programming, decentralization and performance measurement, transfer pricing, decisions under uncertainty, responsibility accounting, and product quality costs.

ACC 410 ADVANCED FINANCIAL ACCOUNTING**3 CREDITS**

PREREQUISITE: ACC 303

The aim of this course is to introduce the student to advanced financial accounting subjects, including accounting for business combinations and consolidations, foreign operations, and partnerships. It also provides an overview of the accounting procedures for affiliated companies and branches, international accounting standards (IAS) and accounting for multinational enterprises, reporting for the Securities and Exchange Commission (SEC), segments of business enterprises and segment reporting, accounting for bankruptcy, and interim reporting. State-of-the-art technology is acquired by the use of spreadsheets.

ACC 411 CONTEMPORARY ISSUES IN ACCOUNTING**3 CREDITS**

PREREQUISITE: ACC 303

Designed to cover important topics that are not included in the traditional accounting courses. Students are required to conduct research and write papers dealing with current issues in the areas of international accounting, governmental accounting and nonprofit accounting. Special attention is given to the "standard setting process," and the literature produced by the Financial Accounting Standards Board, the American Institute of Certified Public Accountants, and the Government Accounting Standards Board.

ACC 412 AUDITING**3 CREDITS**

PREREQUISITES: ACC 302 AND ACC 311

Emphasis is placed on the philosophy and environment of the auditing profession. Attention is given to the nature and purpose of auditing, generally accepted auditing standards, professional conduct, auditor's legal liability, and the procedures followed in performing audits of financial statements.

ACC 416 FEDERAL INDIVIDUAL TAXATION

3 CREDITS

PREREQUISITE: ACC 301

Emphasis is placed on basic forms and structures of federal income taxation and delves particularly into those aspects which affect individual taxpayers. Attention is given to the historical development of federal taxation, the legislative process, the underlying rationale of federal taxation, working with the Internal Revenue Code, tax preparers' responsibilities, and tax research.

ACC 420 ACCOUNTING INFORMATION TECHNOLOGY AND BUSINESS SOLUTIONS

3 CREDITS

PREREQUISITES: ACC 301, ACC 302, ACC 310 AND CSC 100

This course introduces the student to accounting information technology and business solutions. It also provides an overview of the concepts, objectives and the importance of properly designed systems. Students learn to design, create, update, query and maintain accounting databases. The hands-on portion of the course reinforces the lecture material with examples from real applications.

ACC 480 INDEPENDENT STUDY

3 CREDITS

PREREQUISITE: OPEN ONLY TO ADVANCED ACCOUNTING MAJORS AND CONSENT OF THE INSTRUCTOR.

Independent research under the guidance of a faculty member on an approved, specified topic or subject area. A written project is required.

ACC 490 INTERNSHIP IN ACCOUNTING

6 CREDITS

PREREQUISITE: OPEN ONLY TO SENIORS BY APPLICATION.

Intensive field work experience in accounting. Assignments in private, non-profit and public institutions. Students should schedule a minimum of two full days per week.

ACC 492 DEPARTMENTAL INTERNSHIP - ACCOUNTING

3 CREDITS

PREREQUISITE: PERMISSION OF THE ACCOUNTING FACULTY.

Opportunity for accounting majors to assist faculty in college-level accounting courses under the direct supervision of an accounting professor.

Major: Business Administration (B.S.)

Jefferey Schaller, *Coordinator*

Objectives

The Bachelor of Science degree in Business Administration is awarded to students achieving proficiency in the University's Liberal Arts Core Curriculum requirements and the department's integrated and advanced course requirements. Students successfully completing the program will be well prepared to assume careers in today's competitive business environment, to start their own business or to continue on to graduate school.

Students majoring in business will be well grounded in the liberal arts so they may develop their creative skills and have an understanding of the environment around them. In addition, students will acquire proficiency in basic skills such as computers, business information systems, economics, mathematics, and communications as well as an international perspective. Through this unique business program, Eastern students will develop both a theoretical and

pragmatic understanding of how businesses operate as successful competitive organizations. Through completion of appropriate advanced courses, majors can earn a concentration in one of the following fields: Finance, Human Resource Management, Management, Marketing, Operations Management, or International Business.

Overall, the Business Administration major combines a thorough grounding in business concepts and applications with a liberal arts foundation.

Admission to the Program

Students can apply for admission to the Business program at anytime.

A Business major whose cumulative GPA falls below 2.7 for two consecutive semesters will be dismissed from the major.

All students are required to complete the competency exam and BUS 351 before being admitted to the capstone course Management Policy and Strategy (BUS 431).

Degree Requirements

Requirements for the Business Administration degree include completion of all University LAC requirements as well as business requirements and electives. A minimum of 24 semester hours in the business major must be completed in residence at Eastern.

Related Course Requirements: 12 credits

| | |
|---------|----------------------------------|
| ECO 200 | Principles of Economics I Macro |
| ECO 201 | Principles of Economics II Micro |
| BUS 205 | Information Management |
| MAT 216 | Statistical Data Analysis |

Related Business Requirements: 21 credits

| | |
|---------|-------------------------------------|
| ACC 201 | Principles of Accounting I |
| ACC 202 | Principles of Managerial Accounting |
| BUS 225 | Principles of Marketing |
| BUS 201 | Principles of Management |
| BUS 245 | Business Finance |
| BUS 250 | Business Law I |
| BUS 260 | Operations Management |

Common Business Core Requirements: 15 credits

| | |
|---------|---|
| BUS 351 | Advanced Business Concepts & Entrepreneurial Applications |
| BUS 301 | Business Ethics |
| BUS 431 | Management Policy and Strategy |
| BUS 490 | Internship – Students interested in graduate school can substitute an Independent Study in research for the internship requirement. Calculus is a prerequisite for the Independent Study in research. |

Business Electives (any 300- and 400-level business courses): 12 credits

Students who take nine or more credits of their electives in one field earn a concentration in that field. Concentrations are available in Finance, Human Resource Management, Management, Marketing, Operations Management, and International Business.

International Perspectives: six credits

This requirement can be fulfilled by choosing one of the following options:

- an additional year of a foreign language (sophomore level) beyond the basic University requirement.
- two international business courses. This is in addition to the 12 credits of business electives.
- an international minor (e.g., Canadian Studies, Latin American Studies, Spanish, French).
- one semester of study abroad.

Transfer Policy

The Department of Business Administration extends a warm welcome to transfer students from within Connecticut, from other states, and from other countries. Check with one of our advisors on all transfer questions related to the major. Our departmental residency requirement is 24 credits.

Only one transferred course can be used to meet the Business elective requirement.

Recommended Course Sequence: Business Administration Major (B.S.)

Check all course descriptions for prerequisites before planning course schedule. All courses carry three credits unless stated otherwise.

First Year

| | | |
|---------|--------------------------------------|-------------------|
| SOC 100 | Intro to Sociology | 3 |
| ENG 100 | College Writing | 3 |
| MAT *** | Math LAC | 3 |
| CSC 100 | Computer Concepts | 3 |
| | Other General Education Requirements | 18 |
| | Total | 30 credits |

Second Year

| | | |
|---------|--------------------------------|-------------------|
| BUS 201 | Principles of Management | 3 |
| ECO 200 | Principles of Macroeconomics | 3 |
| ECO 201 | Principles of Microeconomics | 3 |
| MAT 216 | Statistical Data Analysis | 3 |
| ACC 201 | Principles of Accounting I | 3 |
| ACC 202 | Principles of Accounting II | 3 |
| BUS 205 | Information Management | 3 |
| BUS 245 | Business Finance | 3 |
| BUS 250 | Business Law I | 3 |
| | General Education Requirements | 3 |
| | Total | 30 credits |

Third Year

| | | |
|---------|---|-------------------|
| BUS 225 | Principles of Marketing | 3 |
| BUS 260 | Operations Management | 3 |
| BUS 351 | Advanced Business Concepts and Entrepreneurial Applications | 3 |
| BUS 301 | Business Ethics | 3 |
| | General Education Requirements | 18 |
| | Total | 30 credits |

Fourth Year

| | | |
|---------|--------------------------------|-------------------|
| BUS 431 | Management Policy and Strategy | 3 |
| BUS 490 | Business Internship | 6 |
| | Business Electives | 9 |
| | International Perspectives | 6 |
| | General Electives | 6 |
| | Total | 30 credits |

Minor: Business Administration

Jefferey Schaller, *Coordinator*

The minor in Business Administration is open to all university students and is designed to provide individuals with both a theoretical and practical understanding of operating a business.

Prerequisite: Students must take ECO.

In addition, students must take 18 credits drawn from the following:

Accounting 201 (3 credits)

General Business (6 credits)

These courses must be drawn from two different areas of business:

- Finance
- Management
- Marketing
- Operations

Business Electives (nine credits)

Students can take any 300-level or above business courses selected according to their particular interest.

Honors

Each year selected students are honored for distinguished academic achievement by membership in the Delta Omega chapter of Delta Mu Delta, the National Honor Society for Business Administration.

Courses of Instruction: Business

BUS 201 PRINCIPLES OF MANAGEMENT

This course provides an introduction to the foundations of management. Instruction emphasizes the history of management, the practical use of theories, frameworks and models, integrating functional areas of business, and other special topics including: corporate culture, ethics, social responsibility, entrepreneurship, and international, public, and nonprofit management.

BUS 205 INFORMATION MANAGEMENT

3 CREDITS

Introduces the use of technology for ethical problem solving and decision making across all major functions of organizations. Particular attention is given to the critical analysis, organization, communication and presentation of information for organizational planning and control with critical reflection on project work.

BUS 225 PRINCIPLES OF MARKETING

3 CREDITS

RECOMMENDED: ECO 201

An introduction to the field of marketing. This course is designed to expose students to the elements of the marketing mix and processes involved in market planning and control. Concepts associated with buyer behavior, marketing information systems, and product planning are discussed.

BUS 230 BUSINESS AND SOCIETY

3 CREDITS

This course presents an interdisciplinary introduction to business organizations and the interaction between society and business. In addition to an overview of the fields of management, finance, marketing, and operations, this course also explores such timely issues as ethics, social responsibility, and the global market place. Students will also have an opportunity to explore career development and job search issues.

BUS 234 SUPERVISION AND TRAINING

3 CREDITS

PREREQUISITE: BUS 201 or BUS 230

Focuses on the roles and function of the supervisor as a first line manager. Special emphasis is placed on the responsibility of supervisors in formal and informal training with supervisees.

BUS 245 BUSINESS FINANCE

3 CREDITS

PREREQUISITES: MAT 101, ACC 201, OR EQUIVALENT

Basic financial concepts of risk and return, time value of money, criteria for investment decisions, financial markets and securities, financing decisions, forecasting, asset management, and dividend policy.

BUS 250 BUSINESS LAW I

3 CREDITS

A study of the American legal system including a study of the history and development of law in general, a specific study of constitutional law as it applies to the business environment, the law of torts and crimes, dispute resolution methods, and the law of contracts and agency.

BUS 260 OPERATIONS MANAGEMENT

3 CREDITS

PREREQUISITES: MAT 216 OR AN EQUIVALENT STATISTICAL COURSE

Fundamentals of production planning and control, quality control, and facilities management. Focuses on management systems for greater competitiveness in manufacturing and the service sector.

BUS 300 BUSINESS LAW II**3 CREDITS**

PREREQUISITE: BUS 250

An advanced study of business law involving the areas of property law (including real and personal property), bailments, landlord-tenant and estates and trusts; sales contracts emphasizing the effects of the Uniform Commercial Code on the common law of sales; products liability; negotiable instruments; credit, including the law of secured transactions and bankruptcy; the regulation of business, including intangible property, anti-trust and consumer protection measures.

BUS 301 BUSINESS ETHICS**3 CREDITS**

PREREQUISITE: ACC 202, BUS 225, BUS 201, BUS 245, BUS 260, ENG 100, 100P, or 200

In this course, students who are already familiar with the core areas of business administration and the ethical issues faced in those areas will engage in writing intensive examination of classical and modern approaches to business ethics and exploration of their own moral values.

BUS 310 CONTEMPORARY ISSUES IN EMPLOYMENT LAW 3 CREDITS

This course focuses on the legal regulations that govern the employer-employee relationship at the state and federal levels. Topics will include anti-discrimination statutes, wage and labor laws, privacy and disclosure restrictions, and the process involved in violations and legal remedies.

BUS 321 ADVERTISING**3 CREDITS**

PREREQUISITE: BUS 225

An overview of advertising and marketing communication activities of contemporary businesses. The role of advertising in market planning by the firm as well as its role in the economy will be discussed. Topics on marketing communication will include sales promotion and publicity. Emphasis will be placed on communications management, media planning and selection.

BUS 324 MARKETING MANAGEMENT FOR THE HOSPITALITY INDUSTRY 3 CREDITS

PREREQUISITE: BUS 350 OR BUS 225

Marketing as it applies to the hospitality industry, including how a marketing strategy is devised, especially the interrelationship of company objectives, internal resources, the external operating environment, and how the special nature of service affects the development of marketing strategies in the hospitality industry.

BUS 325 CONSUMER BEHAVIOR**3 CREDITS**

PREREQUISITE: BUS 225

An examination of the factors governing consumer response in the marketplace. These include the acts, processes, and social relationships exhibited by individuals, groups, and organizations in the obtainment, use, and consequent experiences with products, services, and other resources. The course focuses on the application of knowledge of consumer behavior to marketing management.

BUS 326 SALES MANAGEMENT**3 CREDITS**

PREREQUISITE: BUS 225

Methods used to develop, employ, and control sales organization. Focuses on selection, training, and control of salesmen. Deals with compensation and incentives, sales territories and quotas, sales coordination with advertising, sales promotion, and other staff services.

BUS 327 INDUSTRIAL MARKETING**3 CREDITS**

PREREQUISITE: BUS 225

Conditions influencing the development and integrated marketing of goods and services to industrial buyers. A review of the buying motives of the industrial user, organization for marketing industrial products, distribution cost analysis, and a survey of the procedures utilized to market products to the government user.

BUS 329 INTERNATIONAL MARKETING**3 CREDITS**

PREREQUISITE: BUS 225

A multicultural perspective used to view the development of marketing plans and strategies in international business. Application of the marketing concept and marketing mix is examined with special attention to developing countries. Also included are export marketing and international marketing research.

BUS 330 INDUSTRIAL LABOR RELATIONS**3 CREDITS**

PREREQUISITE: BUS 230 OR EQUIVALENT

An examination of labor-management relations including the nature of labor organizations, an analysis of the collective bargaining process, and the public regulation of industrial relations.

BUS 331 ORGANIZATIONAL BEHAVIOR**3 CREDITS**

PREREQUISITE: BUS 230 OR EQUIVALENT

Fundamental psychological and sociological phenomena that underlie group behavior, exploration of organizational processes including leadership, motivation, communication, and change. Emphasis on the behavioral aspects of management and the analytical tools for decision-making.

BUS 332 MANAGEMENT OF ORGANIZATIONS**3 CREDITS**

PREREQUISITE: BUS 201 OR BUS 230

Organizations as an organic whole, functioning within their competitive economic and social environments. Emphasis on key issues of administrative processes critical to organizational performance.

BUS 333 HUMAN RESOURCE MANAGEMENT**3 CREDITS**

PREREQUISITE: BUS 230 OR EQUIVALENT

Personnel administration and its functional relation to the entire scope of business, motivation, supervision, and supervisory skills, manpower and employee development and management's responsibility for the total person. Emphasis placed on an understanding of individual and group relationships.

BUS 334 INTRODUCTION TO THE HOSPITALITY INDUSTRY **3 CREDITS**

This is a survey course that provides students with an overview of the hospitality industry. This course looks at the elements of marketing, operations, structure and leadership that are unique to the industry.

BUS 345 ADVANCED TOPICS IN BUSINESS FINANCE**3 CREDITS**

PREREQUISITE: BUS 245 OR EQUIVALENT

Application of financial concepts and techniques to corporate decisions, including capital budgeting, capital structure, leasing, mergers, and asset management.

BUS 346 INVESTMENT ANALYSIS**3 CREDITS**

PREREQUISITE: BUS 245 OR EQUIVALENT

Principles and techniques of investment in securities with a continuous appraisal of the economic setting. The mathematics of investment, the role of investment banking houses, stock exchanges and over-the-counter market, federal and state regulations of trading in bonds and equities.

BUS 347 FINANCIAL INSTITUTIONS**3 CREDITS**

PREREQUISITE: BUS 245 OR EQUIVALENT

This course introduces concepts associated with banks, savings and loans, credit unions, money market funds, insurance companies, pension and mutual funds, security brokers and other suppliers of financial services. These financial institutions form the foundation of any monetary systems.

BUS 348 PERSONAL FINANCIAL PLANNING**3 CREDITS**

This course reviews the institutions, instruments, and techniques of personal financial planning. It concentrates on the areas of risk management, establishing budgets, tax management, investments, retirement planning, and estate planning.

BUS 349 REAL ESTATE FINANCE**3 CREDITS**

PREREQUISITE: BUS 245 OR EQUIVALENT

Covers the fundamental principles of real estate business regarding property, contracts, agencies, listings, different methods of real estate financing, deeds, liens and encumbrances, es-crows and title insurance, land descriptions, real estate mathematics, income properties, real estate management and leasing, taxes and real estate deals. It further explores the main objectives of investing in real estate mortgages and mortgages backed securities.

BUS 351 ADVANCED BUSINESS CONCEPTS AND ENTREPRENEURSHIP**3 CREDITS**

PREREQUISITE: BUS 201, BUS 225, BUS 230, BUS 245, AND BUS 260

This course provides the fundamental concepts, principles and practices of the functions underlying a successful business enterprise. The relationship among disciplines is emphasized to provide a holistic picture of the business venture. In addition, the students will develop and present a business plan in order to further integrate the material previously taught. The course is taught by a team of faculty, each of whom has expertise in one of the major disciplines, as well as an understanding of business administration.

BUS 360 SUPPLY AND CHAIN MANAGEMENT**3 CREDITS**

PREREQUISITE: BUS 260

This course examines the strategic importance of supply chain design, planning and operation. This course covers topics that have become critical to organizations' competitiveness such as supplier selection, information technology for supply chain management, development of logistics networks, and coordinated product design.

BUS 361 (BIS 361) SYSTEMS AND OPERATIONS**3 CREDITS**

Theory and applications of operations as a framework for better decision making in a wide range of organizations which generate products and/or services. Includes related aspects of management theory, operations research and strategic concepts. Applications are centered on practical uses of Management Information Systems.

BUS 362 GLOBAL OPERATIONS AND LOGISTICS**3 CREDITS**

PREREQUISITE: BUS 260

This course is focused on the management of operations and logistics in firms that source, produce, distribute and market in multiple nations and compete in a global arena. Course-work will describe the difference between local and global operations and examine the factors that influence the effectiveness of the operations function in a global environment. Three major areas will be addressed: 1) global operations and logistics strategy; 2) global operations and logistics planning; and 3) effective management of global operations and logistics.

BUS 365 BUSINESS REPORT WRITING WITH MICROCOMPUTER APPLICATIONS**3 CREDITS**

PREREQUISITE: BUS 205 OR EQUIVALENT

This course provides the student with an understanding of the basic methods of written correspondence that is needed for optimal business communication. It includes techniques for report organization, the use of data sources, illustrating and writing reports, and report writing microcomputer techniques and skills. This course serves as the writing intensive course appropriate for the business major as part of the LAC writing requirements.

BUS 366 LEAN PRODUCTION MANAGEMENT**3 CREDITS**

PREREQUISITE: BUS 260

This course provides an introduction to the fundamental concepts of Lean principles. The course covers the five pillars of Lean Management: Just-in-time, Total Quality Management, Worker Involvement, Value Added Management, and Time Based Competition. Case studies of actual implementations of Lean principles are used during the course.

BUS 370 (CAS 370) BUSINESS PERSPECTIVES, CANADA/U.S. 3 CREDITS

A comparative study of Canada and the U.S. from the standpoints of business and economics and the emerging North American common market. Includes the Free Trade Agreement and other international links as well as regulatory and industrial policies and the effects of fiscal, monetary and social policies.

BUS 374 INTRODUCTION TO ENTREPRENEURSHIP**3 CREDITS**

PREREQUISITE: BUS 201 OR BUS 230

This course examines the process of entrepreneurship and the current theories and practice. Social and psychological factors, innovation, creativity, risk, and planning are used to create a basic framework for understanding entrepreneurship.

BUS 375 ENTREPRENEURIAL FINANCE**3 CREDITS**

PREREQUISITE: ACC 201

This course has been developed to encompass industry characteristics and prospects, cost and assets required to start a business, typical business ratios, Pro-Forma Financial Statements, cash flow scheduling, working capital management, capital structure planning, and a Business Plan outline.

BUS 377 SMALL BUSINESS PLANNING**3 CREDITS**

PREREQUISITE: ACC 201 OR CONSENT OF INSTRUCTOR

A business plan is a planning and operating document that will improve the chances of business success for a new venture. The basic principles underlying the start-up and on-going operations of a small business will be covered as well as how to document and present these components in a business plan. This course offers an integrated approach to understanding business by focusing on the linkages between Finance and Management and exploring additional linkages to Marketing and Operations. The course content offers a comprehensive introduction to Managerial Finance and Market Analysis and Marketing Plans. Advanced topics in management include Human Resource Management, Group Dynamics, Organization Theory and Organizational Behavior.

BUS 428 MARKETING RESEARCH**3 CREDITS**

PREREQUISITE: BUS 225

An introduction to the quantitative and qualitative techniques used in marketing research. Emphasis on marketing planning and decision-making. (Required for marketing concentration.)

BUS 429 STRATEGIC MARKETING**3 CREDITS**

PREREQUISITE: BUS 225 (BUS 245 RECOMMENDED)

An upper-level course which provides students with practice in the design, implementation, and control of marketing strategies. It is an operationally oriented course emphasizing the application of marketing concepts, principles and methods.

BUS 431 MANAGEMENT POLICY AND STRATEGY**3 CREDITS**

PREREQUISITE: BUS 351 AND COMPETENCY EXAM, FOR BUSINESS MAJORS; OR CONSENT OF INSTRUCTOR, FOR NON-BUSINESS MAJORS

Capstone course in management open only to seniors. Focuses on the entrepreneurial and administrative tasks of a general manager who must formulate and implement strategy. Includes strategies for new enterprises. Satisfies requirement in Finance, Management, and Marketing specializations.

BUS 433 METHODS OF HUMAN RESOURCE MANAGEMENT DEVELOPMENT**3 CREDITS**

PREREQUISITES: BUS 331 AND BUS 333

Selected methods of managing human resource problems in business analyzed. Job enrichment, quality of work life, assessment centers, career counseling, and performance review are among the methods considered in class. Emphasis will be on the practical application of these programs.

BUS 434 ORGANIZATIONAL IMPROVEMENT & MANAGEMENT DEVELOPMENT**3 CREDITS**

PREREQUISITES: BUS 331, BUS 332, OR BUS 333

An examination of the notion that organizations can be strengthened and productivity increased through more effective management. Extensive participation, a wide range of reading and written work are expected. Seminar format.

BUS 437 INTERNATIONAL FINANCIAL MANAGEMENT**3 CREDITS**

PREREQUISITES: BUS 245 OR EQUIVALENT

This course emphasizes that the multinational firm has become increasingly important as a facilitator of international trade as well as a producer in host countries where its affiliates are located. This course underscores the fact that within the past decade, the global integration of money and capital markets has created expanded opportunities for both investors and organizations that need to raise capital.

BUS 438 BANK MANAGEMENT**3 CREDITS**

PREREQUISITE: BUS 245

Specifically this course on Bank management addresses the following issues: management of interest income and non-interest income, non-interest expense, interest rate risk, financial futures, forward rate agreements, and interest rate swaps, assets and liabilities management, cost of fund and the effective use of capital. It further addresses issues relating to liquidity planning and managing cash assets, evaluating commercial loan requests, evaluating consumer loans, banks' investment portfolio, policy guidelines and other active investment strategies.

BUS 442 (BIS 442) INFORMATION TECHNOLOGY PROJECT MANAGEMENT**3 CREDITS**

PREREQUISITE: BIS 370

This course focuses on the management of information technology projects. The body of knowledge for project management, including terms, tools and techniques, will be covered as it applies specifically to information projects. The course will use case studies of successful and unsuccessful information technology projects to illustrate key factors that contribute to project success or failure.

BUS 445 CASE STUDIES IN FINANCIAL MANAGEMENT USING ELECTRONIC SPREADSHEETS**3 CREDITS**

PREREQUISITE: BUS 345

This course will build upon concepts learned in BUS 345 through the use of case studies. In addition, students will learn how to use electronic spreadsheets to perform many of the calculations inherent in these case studies thereby allowing the student to focus on the interpretation and understanding of the results.

BUS 446 FINANCIAL DERIVATIVES**3 CREDITS**

PREREQUISITES: BUS 346 OR CONSENT OF INSTRUCTOR

This course introduces concepts associated with options, futures, interest rate and currency swaps. In addition, financial engineering will be discussed so that students will gain an understanding of the process of creating new financial securities.

BUS 450 INTERNATIONAL BUSINESS**3 CREDITS**

PREREQUISITES: BUS 201, BUS 225, BUS 230, OR CONSENT OF INSTRUCTOR

A course introducing the essential elements of international business including an overview of current international business patterns, the effect of social systems on international business, financial forms and institutions that measure and facilitate international transactions, alternatives for international policy and strategy, and the management of international activities within the functional disciplines.

BUS 460 CHASE FELLOWS HONORS SEMINAR**3 CREDITS**

PREREQUISITE: BY INVITATION OF DEPARTMENT

Department-sponsored honors seminar under the aegis of the David T. Chase Free Enterprise Institute. Selected students participate by invitation of the department.

BUS 462-469 SEMINAR IN SELECTED BUSINESS TOPICS**3 CREDITS EACH**

Note: May be applied to any appropriate area of specialization with approval of advisor or department chairperson.

Emphasizes selected special topics pertinent to management and administrative practices. Seminar format.

| | |
|---------|-------------------------------------|
| BUS 462 | Seminar in Finance |
| BUS 463 | Seminar in International Business |
| BUS 464 | Seminar in Management |
| BUS 465 | Seminar in Marketing |
| BUS 466 | Seminar in Non-Profit Organizations |
| BUS 467 | Seminar in Operations and Systems |
| BUS 468 | Seminar in Small Business |
| BUS 469 | Seminar in Special Topics |

BUS 480 INDEPENDENT STUDY**1-6 CREDITS**

PREREQUISITE: OPEN ONLY TO ADVANCED MAJORS IN BUSINESS ADMINISTRATION AND CONSENT OF INSTRUCTOR

Independent research under the guidance of a faculty member on an approved, specified topic or subject area. A written project is required.

BUS 490 INTERNSHIP IN BUSINESS ADMINISTRATION**1-6 CREDITS**

PREREQUISITE: OPEN ONLY TO SENIORS BY APPLICATION

Intensive field work experience in economics and business administration. Assignments in private, nonprofit and public institutions in areas such as manufacturing, retailing, finance, accounting, personnel or government services. Student should schedule a minimum of two full days per week.

BUS 492 DEPARTMENTAL INTERNSHIP**1-6 CREDITS**

PREREQUISITE: PERMISSION OF DEPARTMENT FACULTY

Opportunity for business majors to assist faculty in college-level business courses under the direct supervision of a business professor.

Major: Business Information Systems (BIS)**Doncho I. Petkov**, *Coordinator***Objectives**

The Business Information Systems (BIS) major goes beyond the usual study of management information systems to emphasize E-business, enterprise resource planning and transaction processing, and using web technology. It focuses on an understanding of how information systems should be administered and how they can be used to improve the performance of an organization. It incorporates the fundamentals of organizational management, of

business, and of information technology. The principal theme of the major is the development of business and organizational strategies, and interpersonal communication structures that truly reflect the revolution in telecommunications. The underlying objective is to provide a basis for life-long learning in a diverse world of social and technological change.

The BIS program prepares students to go on to wide-ranging careers in business management as well as in specialized systems jobs. The BIS core, required of all students, includes a comprehensive set of basic business and information technology requirements. Beyond that, it includes the study of organizational behavior in the presence of the new technologies, business structures to take advantage of them, and a capstone seminar on information systems and business strategies.

Admission to the Program

Students may declare a major in BIS at any time and be assigned a BIS faculty advisor. Any student whose cumulative GPA falls below 2.5 for two consecutive semesters will be dismissed from the major.

Degree Requirements

To graduate with a degree of Bachelor of Science in BIS a total of 51 credits are required in the major, consisting of 42 credits of common BIS core requirements, and nine credits of electives. A minimum of 24 semester hours of the BIS program must be completed in residence at Eastern.

Related Course Requirements: 9 credits

| | |
|---------|---|
| MAT 216 | Statistical Data Analysis |
| ECO 201 | Principles of Microeconomics |
| CSC 110 | Introduction to Computing and Problem Solving |

Business Component: 18 credits

| | |
|---------|--------------------------|
| ACC 201 | Principles of Accounting |
| BUS 205 | Information Management |
| BUS 225 | Principles of Marketing |
| BUS 201 | Principles of Management |
| BUS 245 | Business Finance |
| BUS 260 | Operations Management |

Systems Component: 24 credits

| | |
|---------|--|
| CSC 249 | Visual BASIC |
| BIS 361 | Business Information Systems and Web Technologies |
| BIS 370 | Systems Analysis and Design |
| BIS 375 | Electronic Commerce |
| BIS 430 | Enterprise Resource Planning and E-Business |
| BIS 440 | Business Data Communications and E-Networks |
| BIS 450 | Database Management, E-Structure and Security |
| BIS 461 | Seminar on Information Systems and Business Strategies |

Advanced Electives (any 300-level or 400-level BIS courses): Nine credits**Recommended Course Sequence: Business Information Systems Major (B.S.)****First Year**

| | | |
|---------|---|-------------------|
| ENG 100 | College Writing | 3 |
| MAT *** | Math LAC | 3 |
| CSC 110 | Introduction to Computing and Problem Solving | 3 |
| | Other LAC Requirements | 21 |
| | Total | 30 credits |

Second Year

| | | |
|---------|------------------------------|-------------------|
| ACC 201 | Principles of Accounting I | 3 |
| BUS 205 | Information Management | 3 |
| BUS 225 | Principles of Marketing | 3 |
| BUS 201 | Principles of Management | 3 |
| ECO 201 | Principles of Microeconomics | 3 |
| MAT 216 | Statistical Data Analysis | 3 |
| | Other LAC Requirements | 10 |
| | Electives | 2 |
| | Total | 30 credits |

Third Year

| | | |
|---------|---|-------------------|
| BIS 361 | Business Information Systems and Web Technologies | 3 |
| BIS 370 | Systems Analysis and Design | 3 |
| BIS 375 | Electronic Commerce | 3 |
| BUS 245 | Business Finance | 3 |
| BUS 260 | Operations Management | 3 |
| CSC 249 | Visual BASIC | 3 |
| | Electives | 12 |
| | Total | 30 credits |

Fourth Year

| | | |
|---------|--|-------------------|
| BIS 430 | Enterprise Resource Planning and E-Business | 3 |
| BIS 440 | Business Data Communications and E-Networks | 3 |
| BIS 450 | Database Management, E-Structure and Security | 3 |
| BIS 461 | Seminar on Information Systems and Business Strategies | 3 |
| | Advanced Electives in the Major | 9 |
| | Other Electives | 9 |
| | Total | 30 credits |

Minor: Business Information Systems Management

Doncho I. Petkov, *Coordinator*

The Business Information Systems Management minor (BIS Management minor) focuses on how information systems are used to improve organizational performance and transform

basic business structures appropriately. The minor is designed to develop and enhance skill sets needed for current or future careers across discipline fields and industries. The flexibility in this minor enables students to acquire information systems skills most relevant to their career paths, major programs of study or secondary areas of interest.

Upon completion of the minor, a student will be able to analyze, design, and manage information systems and associated processes in a wide variety of organizations. This minor provides students with valuable skills and knowledge in the management of information systems resources, which constitute up to a third of the total assets of businesses and organizations today. The minor requires 18 credits and is suitable for any Eastern student, including transfer and non-traditional students. At least four of the courses below should be taken at Eastern.

Required Courses:

I. Three core courses:

| | |
|---------|---|
| BUS 205 | Information Management |
| BIS 361 | Business Information Systems and Web Technologies |
| BIS 370 | Systems Analysis and Design |

II. One of the following courses: (Three credits)

| | |
|---------|--------------------------|
| ACC 201 | Principles of Accounting |
| BUS 230 | Business and Society |
| BUS 225 | Principles of Marketing |
| BUS 245 | Business Finance |
| BUS 260 | Operations Management |

III. Two of the following courses: (Six credits)

| | |
|---------|--|
| BIS 365 | Emerging Technologies and Business Applications |
| BIS 375 | Electronic Commerce |
| BIS 430 | Enterprise Resource Planning and E-Business |
| BIS 440 | Business Data Communications and E-networks |
| BIS 442 | Information Technology Project Management |
| BIS 450 | Database Management, E-structure and Security |
| BIS 462 | Seminar in Healthcare Informatics |
| ACC 420 | Accounting Information Technology and Business Solutions |
| BUS 445 | Case Studies in Financial Management Using Electronic Spreadsheets |
| BUS 469 | Seminar in Special Topics (E-business) |

Minor: Social Informatics

Doncho Petkov, *Coordinator*

The Social Informatics minor deals with the utilization, organization and control of information systems in society, in non-profit and non-business organizations. Its focus is on the interdisciplinary study of the design, uses and consequences of information technologies that takes into account their interaction with institutional and cultural context. Through the elective course within the minor, students get an opportunity to deepen their understanding of using information technology in one of three important areas: sociology, environmental

management or sustainable energy. A student will be able, upon completing the minor, to use information systems to collect and analyze data needed to enhance the productivity of medium and small organizations, governmental and non-profit agencies. It requires 15 credits and is suitable for any Eastern student, including transfer and non-traditional students studying through the School of Continuing Education. At least four of the courses below should be taken at Eastern.

Required courses:

I. Four core courses, taken in the following sequence:

| | |
|---------|---|
| BUS 205 | Information Management |
| BIS 364 | Introduction to Social Informatics |
| BIS 370 | Systems Analysis and Design |
| BIS 450 | Database Management, E-structure and Security |

II One of the four courses:

| | |
|---------|--|
| SOC 200 | Personality and Social Structure |
| or | |
| SOC 325 | Law and society |
| or | |
| EES 205 | Sustainable Energy and the Environment |
| or | |
| EES 320 | Environmental Management |

Courses of Instruction: Business Information Systems

**BIS 361 BUSINESS INFORMATION SYSTEMS AND WEB TECHNOLOGIES
3 CREDITS**

This course provides an overview of business information systems and related concepts in information technology. It includes transaction processing, enterprise resource planning, management information systems and electronic commerce. It describes the hardware, software, networks and telecommunications employed by these systems.

**BIS 364 INTRODUCTION TO SOCIAL INFORMATICS
3 CREDITS**
PREREQUISITES: BUS 205

This course is designed to provide students with an understanding of the field of social informatics. Emphasis will be on developing a comprehensive ability to use technology and analyze the role of IT in a broader social context. It has a hands-on component in a computer laboratory as well.

**BIS 365 EMERGING TECHNOLOGIES AND BUSINESS APPLICATIONS
3 CREDITS**
PREREQUISITE: BUS 205

Novel integrations of new technology innovations in a variety of business environments are radically impacting business information systems, organizations, careers, and lives around the globe. This course examines a number of new information technologies and focuses on developing skills necessary for serving on technology advisory or project committees and for evaluating and strategizing potential innovative business applications.

BIS 370 SYSTEMS ANALYSIS AND DESIGN**3 CREDITS**

PREREQUISITE: BIS 361 OR EQUIVALENT

Provides basic techniques for systems design and development, focusing on the links between BIS systems and their users. Explores the roles of systems analysts and project managers, and the modeling and design tasks that they face. Includes implementation of application packages and enterprise resource planning.

BIS 375 ELECTRONIC COMMERCE**3 CREDITS**

PREREQUISITE: BIS 361/BUS 361

This course provides a basic overview of electronic commerce uses of the world wide web with primary attention given to business uses of the Internet – both business-to-consumer (B2C) and business-to-business (B2B). The course focuses on three stages of business Internet presence and customer contact: Corporate presence, interactions and transactions highlighting common and unique aspects of both B2C and B2B contexts. Special emphasis is given to competitive market strategy implications of e-commerce integrating customer/client data and electronic business processes, which facilitate purchasing, selecting suppliers, ordering goods and services, customer relationship management, payment processing and supply-chain partnering.

BIS/ACC 420 ACCOUNTING INFORMATION TECHNOLOGY AND BUSINESS SOLUTIONS**3 CREDITS**

PREREQUISITES: ACC 302 AND ACC 310

This course introduces the student to accounting information technology and business solutions. It also provides an overview of the concepts, objectives, and importance of properly designed systems. Students learn to design, create, update, query and maintain accounting databases. The hands-on portion of the course reinforces the lecture material with examples from real applications.

BIS 430 ENTERPRISE RESOURCE PLANNING AND E-BUSINESS**3 CREDITS**

PREREQUISITE: BIS 370

An exploration of the strategic opportunities provided by electronic technologies for restructuring businesses and implementing enterprise resource planning, to improve productivity and performance in the marketplace.

BIS 440 BUSINESS DATA COMMUNICATIONS AND E-NETWORKS**3 CREDITS**

PREREQUISITE: BIS 370

Presents the fundamental concepts of data communications, networking, distributed applications, network management and security in a way that relates specifically to the business environment and business management. Includes network structure and flow control.

BIS 442 (BUS 442) INFORMATION TECHNOLOGY PROJECT MANAGEMENT**3 CREDITS**

PREREQUISITE: BIS 361 OR EQUIVALENT REQUIRED, BIS 370 RECOMMENDED

This course focuses on the management of information technology projects. The body of knowledge for project management, including terms, tools and techniques, will be covered as it applies specifically to information projects. The course will use case studies of successful and unsuccessful information technology projects to illustrate key factors that contribute to project success or failure.

BIS 450 DATABASE MANAGEMENT, E-STRUCTURE AND SECURITY

PREREQUISITE: BIS 370

3 CREDITS

An introduction to database concepts, systems design and the practical realities of database administration in network structures. Different types of file systems, database systems and database models are examined. Students design and develop a particular model of a database management system.

BIS 461 SEMINAR ON INFORMATION SYSTEMS AND BUSINESS STRATEGIES

3 CREDITS

PREREQUISITE: BIS 370 AND SENIOR STANDING

Capstone course in business information systems, open only to seniors. Focuses on the entrepreneurial and administrative tasks of a general manager who must formulate and implement strategy for a new or established business. Involves strategies for developing or modifying a firm's business model in light of the capabilities of information systems and the remaking of markets and management processes.

BIS 462 SEMINAR IN HEALTH CARE INFORMATICS

3 CREDITS

PREREQUISITES: ANY LAC TIER II APPLIED INFORMATION TECHNOLOGY COURSE

This course is designed to provide students with an in-depth analysis of health-care informatics. Emphasis will be on developing a comprehensive understanding of the use of information systems in health care. Topics covered include health care data, information and knowledge, health care classification and coding systems, decision analysis in health care, computer-based patient records, design and implementation issues related to health care systems, and ethical and legal principles in health care informatics. The focus is on applying information systems and health care concepts to real world problems in health care.

BIS 480 INDEPENDENT STUDY

3 CREDITS

PREREQUISITES: OPEN ONLY TO ADVANCED MAJORS IN BIS AND CONSENT OF INSTRUCTOR

Independent research under the guidance of a faculty member on an approved, specified topic or subject area. A written project is required.

BIS 490 INTERNSHIP IN BIS

3 CREDITS

PREREQUISITE: OPEN ONLY TO BIS SENIORS WITH GPA OF 2.5 OR BETTER

Intensive field work experience in Business Information Systems. Assignments in private, nonprofit and public institutions, involving supporting activities specifically focused on BIS development, implementation and management. Student should schedule the equivalent of at least one full day per week.

Minor: Management Information Systems (MIS)

The MIS minor has been closely integrated with the Business major to provide Business students with a readily obtainable and highly marketable extension of their skills to include knowledge of practical business systems. Refer to the description of the MIS minor within the Computer Science major (see page 111 in the Arts and Sciences section).

COMMUNICATION

Chairperson: *Jaime S. Gómez*

Professors: *Terri Toles-Patkin*

Associate Professors: *Olugbenga Ayeni, Edmond Chibeau, Jaime S. Gómez, Khosrow Jahandarie, Denise Matthews, John Zatowski*

Assistant Professors: *John J. Hale, Andrew Utterback, Xiao Wang*

Major: Communication (B.S.)

Objectives

The Communication major is designed for students who wish to pursue careers in mass media, including television, radio, media writing, journalism, photography, advertising, and public relations, as well as for the students who wish to enter and succeed in high-quality graduate programs in communication or related fields. Required introductory and advanced courses in mass media theory and research and telecommunication policy give students a strong theoretical foundation which is complemented by the practical experience they gain through production classes and internships.

Admission to the Program

Students majoring in Communication are required to register their intent with the department no later than the beginning of the sophomore year in order that an academically strong program may be developed for them. Students must have a cumulative GPA of 2.0 in all previous college work to become a communications major. Students are expected to be thoroughly prepared in the liberal arts and sciences as well as meet the specific requirements of the degree.

Retention in the Program

A Communication major whose cumulative GPA in Communication courses falls below 2.5 for two consecutive semesters will be dropped from the major.

Degree Requirements

All students majoring in Communication are required to take the following courses:

| | |
|---------|------------------------------------|
| COM 100 | Introduction to Mass Communication |
| COM 101 | Interpersonal Communication |
| COM 300 | Communication Law and Ethics |
| COM 350 | Communication Writing |
| COM 400 | Communications Research |
| COM 403 | Mass Communication Theory |
| COM 490 | Internship |

or

| | |
|---------|------------|
| COM 491 | Internship |
|---------|------------|

Total **21-24 credits**

Communication majors must select 15 semester hours of courses from the following:

| | |
|---------|-------------------------------|
| COM 115 | Introduction to Video Editing |
| COM 120 | Television Production I |

| | |
|--------------|---|
| COM 174 | Resources, Research and Responsibilities |
| COM 210 | Photography I |
| COM 212 | Professional Presentations |
| COM 215 | Media Aesthetics |
| COM 220 | Television Production II |
| COM 230 | Basic Speech |
| COM 241 | Intro Radio and Audio Production |
| COM 245 | Digital/Analog Audio Production: Radio/Video/Internet |
| COM 260 | Introduction to Public Relations |
| COM 270 | Advertising Essentials |
| COM 301 | Persuasion |
| COM 310 | Digital Photography |
| COM 320 | Television Production III |
| COM 321 | History of Communication |
| COM 325 | Motion Graphics & Visual Effects for Film & Video |
| COM 330 | Organizational Communication |
| COM 340 | Broadcast Management |
| COM 351 | Contemporary Print Journalism |
| COM 355 | Radio and Television News Writing |
| COM 357 | Scriptwriting |
| COM 358 | Scriptwriting and Presentation |
| COM 361 | Publication Design |
| COM 364 | Public Relations Writing Methods |
| COM 372 | International Advertising and Public Relations |
| COM 373 | Advertising Copywriting |
| COM 420 | Television Directing |
| COM 425 | Advanced Television Workshop: News |
| COM 430 | Non-Linear Editing |
| COM 435 | Documentary Production |
| COM 440 | Workshop in Radio and Audio |
| COM 450 | Advanced Journalism |
| COM 460 | Special Topics in Communication |
| COM 464 | Public Relations Crisis Management |
| COM 468 | Public Relations Campaigns |
| COM 476 | Advertising Media Planning |
| COM 478 | Advertising Campaigns |
| Total | 15 credits |

The recommended course sequence for students planning to enter careers in Television is:

| | |
|---------|--------------------------|
| COM 120 | Television Production I |
| COM 220 | Television Production II |

| | |
|---------|---------------------------|
| COM 320 | Television Production III |
| COM 420 | Television Directing |

The recommended course sequence for students planning to enter careers in Radio and Audio Production is:

| | |
|---------|---|
| COM 241 | Intro Radio and Audio Production |
| COM 245 | Digital Analog Audio Production: Radio/Video/Internet |
| COM 340 | Broadcast Management |
| COM 440 | Workshop in Radio and Audio |

Students planning to enter careers concentrating on Journalism should take this sequence of courses:

| | |
|---------|-----------------------------------|
| COM 351 | Contemporary Print Journalism |
| COM 355 | Radio and Television News Writing |
| COM 361 | Publication Design |
| COM 450 | Advanced Journalism |

Students planning to enter careers concentrating on Photography should take this sequence of courses:

| | |
|---------|---------------------|
| COM 210 | Photography I |
| COM 215 | Media Aesthetics |
| COM 310 | Digital Photography |
| COM 361 | Publication Design |

Students planning to enter careers concentrating on Media Writing should take this sequence of courses:

| | |
|---------|-----------------------------------|
| COM 351 | Contemporary Print Journalism |
| COM 355 | Radio and Television News Writing |
| COM 357 | Scriptwriting |
| COM 373 | Advertising Copywriting |

Students planning to enter careers concentrating on Advertising should take this sequence of courses:

| | |
|---------|----------------------------|
| COM 270 | Advertising Essentials |
| COM 373 | Advertising Copywriting |
| COM 476 | Advertising Media Planning |
| COM 478 | Advertising Campaigns |

Students planning to enter careers concentrating on Public Relations should take this sequence of courses:

| | |
|---------|------------------------------------|
| COM 260 | Introduction to Public Relations |
| COM 364 | Public Relations Writing Methods |
| COM 464 | Public Relations Crisis Management |
| COM 468 | Public Relations Campaigns |

The total number of hours required for the major is 36. Additional courses within the major

should be chosen by students in consultation with their advisors.

In addition, students must complete a minor. The minor is designed to enhance the general liberal arts background of the student and to complement the major. By their second year, students should select a minor in consultation with their advisor and with consideration of their goals.

Recommended Course Sequence: Communication Major (B.S.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|---------|------------------------------------|-------------------|
| ENG 100 | College Writing | 3 |
| MAT *** | Math Course Beyond Algebra II | 3 |
| CSC 100 | Computer Concepts | 3 |
| | General Education Requirements | 12-15 |
| COM 100 | Introduction To Mass Communication | 3 |
| COM 101 | Interpersonal Communication | 3 |
| | General Electives | 0-3 |
| | Total | 30 credits |

Second Year

| | | |
|---------|--------------------------------|-------------------|
| | General Education Requirements | 12-15 |
| | Foreign Language | 0-6 |
| COM *** | Electives | 6 |
| | Minor | 3 |
| | General Electives | 0-9 |
| | Total | 30 credits |

Third Year

| | | |
|---------|--------------------------------|-------------------|
| | General Education Requirements | 4-7 |
| COM 300 | Communication Law and Ethics | 3 |
| COM 350 | Communication Writing | 3 |
| COM *** | Elective | 3 |
| | Minor | 6 |
| | General Electives | 8-11 |
| | Total | 30 credits |

Fourth Year

| | | |
|-------------|--------------------------------|-------------------|
| | General Education Requirements | 3-6 |
| COM 400 | Communications Research | 3 |
| COM 403 | Mass Communication Theory | 3 |
| COM 490/491 | Communication Internship | 3-6 |
| COM *** | Electives | 6 |
| | Minor | 6 |
| | General Electives | 3-6 |
| | Total | 30 credits |

Minor: Communication

The Communication minor is offered for students who wish to enrich their major area with some general understanding of the total communication process. The minor is designed to provide students with an increased awareness of the impact of media technology, recognition effects and behaviors.

Fifteen semester hours of credit in the communication field are necessary to fulfill the requirements for a minor. In addition to the one required course (COM 100, Introduction to Mass Communication) students must select a concentration totaling six credits in one area and six elective credits from other areas within the communication field.

The following concentrations are available in the minor:

- Mass Communication
- Advertising
- Public Relations
- Radio
- Television
- Writing for Media
- Journalism
- Photography

Students interested in the minor should consult with their advisors regarding courses which meet the requirements of the various concentrations.

Courses of Instruction: Communication

COM 100 INTRODUCTION TO MASS COMMUNICATION 3 CREDITS

Introduces the history, structure, and technology of the mass communication industries and the relation of those industries to contemporary society, communication theory, the nature of the mass audience, and the concept of the information society.

COM 101 INTERPERSONAL COMMUNICATION 3 CREDITS

Course complements the introductory course to mass communication. The purpose is to focus the attention of the student on the most basic element of all communication: the human sender and receiver of messages.

COM 115 INTRODUCTION TO VIDEO EDITING 3 CREDITS

In introduction to the hardware, software, and fundamentals of the video editing process. Course emphasizes Windows and Mac OS video file management, basic editing procedures, and application specific practice.

COM 120 TELEVISION PRODUCTION I 3 CREDITS

An introduction to the fundamentals of studio television production. Course emphasizes multi-camera production techniques and procedures.

COM 174 RESOURCES, RESEARCH AND RESPONSIBILITIES 1 CREDIT

This class is designed to introduce students to academic skills, university resources, and student life and encourage them to be involved and responsible members of the university community.

COM 190 NEWSPAPER PRACTICUM**1 CREDIT**

PREREQUISITE: ENG 100

One semester of supervised work for the Campus Lantern. May be taken three times in different semesters.

COM 191 YEARBOOK PRACTICUM**1 CREDIT**

One semester of supervised work on the University yearbook. May be taken three times in different semesters.

COM 210 PHOTOGRAPHY I**4 CREDITS**

Introduction to photography and photographic process. The basic principles of photography including lighting, exposure, processing, printing and composition. In the Lab students will have practical experience with darkroom processes and studio lighting as well as assignments covering available light conditions.

COM 212 PROFESSIONAL PRESENTATIONS**3 CREDITS**

A course in the fundamentals of presentation graphics designed to provide a foundation in the computer graphics needed to create individual and group presentations.

COM 215 MEDIA AESTHETICS**3 CREDITS**

The purpose of this course is to study and explore the aesthetic considerations and variables involved in the production of media content, especially television and film. These variables include light and color, two-dimensional space, three-dimensional space, time-motion, and sound. The systematic examination of these fundamental visual communication elements will provide the students with a set of valuable tools to increase the degree of effectiveness of their media messages. It will also give students a better understanding of how aesthetic manipulations in media production are accomplished and an idea of how they affect the audience.

COM 220 TELEVISION PRODUCTION II**3 CREDITS**

PREREQUISITE: COM 120

An introduction to the fundamentals of field video production. Course emphasizes single-camera “film style” production—from conception to finished product.

COM 230 BASIC SPEECH**3 CREDITS**

Original speeches; emphasis on rhetoric and audience psychology.

COM 241 INTRO RADIO AND AUDIO PRODUCTION**3 CREDITS**

Introduction to radio broadcasting in a rapidly changing media environment. The organization, programming and operation of a radio station is reviewed, including the impact of the Internet and computers. Students will explore the ongoing censorship, free speech and the social responsibilities of broadcasters as well as freedom of choice and new options for listeners.

**COM 245 DIGITAL/ANALOG AUDIO PRODUCTION: RADIO/VIDEO/
INTERNET****3 CREDITS**

Provides a hands-on studio workshop for planning and producing audio programming for distribution over a wide range of media platforms. Analog and digital technologies are explored and applied, including computer and Internet-based systems.

COM 260 INTRODUCTION TO PUBLIC RELATIONS **3 CREDITS**
This is a survey of the field of public relations, the practices, strategies for designing PR plans using problem solving skills. Students explore the theories that influence the practice of public relations and the relationships that exist between theory and practice of public relations.

COM 270 ADVERTISING ESSENTIALS **3 CREDITS**
This introductory course in advertising teaches the basic elements of advertising and other marketing communication tools. Students learn about print, broadcast, outdoor, and electronic media and the strategies employed in message creation about products and services.

COM 290 TELEVISION PRACTICUM **1 CREDIT**
PREREQUISITE: PERMISSION OF INSTRUCTOR
One semester of supervised experience with Eastern TV. May be taken three times in different semesters.

COM 291 RADIO PRACTICUM **1 CREDIT**
PREREQUISITE: COM 241
One semester of supervised experience with the University radio station. May be taken three times in different semesters.

COM 300 COMMUNICATION LAW AND ETHICS **3 CREDITS**
PREREQUISITE: COM 100

Examines contemporary issues relating to the First Amendment, including censorship, incitement, libel, copyright and privacy laws. Legal and ethics dimensions of policy decisions are emphasized.

COM 301 PERSUASION **3 CREDITS**
This course explores the fundamental elements of the process of persuasion, both via interpersonal communication and through the mass media. Case studies of coercive persuasion, advertising, political persuasion and the communication of cultural ideology are discussed.

COM 310 DIGITAL PHOTOGRAPHY **4 CREDITS**
PREREQUISITE: COM 210

This course explores the future of photography by building on advanced photographic skills and illustrates how they apply to the modern era of photography. The course contains a blend of advanced darkroom techniques with digital photography painting, restoration and retouching.

COM 320 TELEVISION PRODUCTION III **3 CREDITS**
PREREQUISITES: COM 120 AND COM 220

Advanced television production. Course emphasizes both field and studio television production, techniques, and procedures. Course is project based.

COM 321 HISTORY OF COMMUNICATION **3 CREDITS**
PREREQUISITE: COM 100

This course looks at the development of American newspapers, magazines, radio, television, and Internet with an emphasis on cultural, technological, and economic considerations.

COM 325 MOTION GRAPHICS & VISUAL EFFECTS FOR FILM & VIDEO

3 CREDITS

An in-depth study of visual effect and motion graphics in film and video. Students will explore the creation of visual effects utilizing industry's standard software such as Apple's Motion, adobe After Effects and Avid's 3-D. All of these are used in professional video production houses.

COM 330 ORGANIZATIONAL COMMUNICATION

3 CREDITS

An investigation through theory and practice of formal and informal communication in a variety of organizational settings.

COM 340 BROADCAST MANAGEMENT

3 CREDITS

An advanced course for students with radio or television experience who may wish to enter broadcast management as a career.

COM 350 COMMUNICATION WRITING

3 CREDITS

FULFILLS WRITING-INTENSIVE REQUIREMENT FOR COM MAJORS. PREREQUISITE: ENG 100

Survey of various styles of writing commonly found in the communication field. Course will include practice in print journalism, electronic journalism, public relations, scripts, and research writing.

COM 351 CONTEMPORARY PRINT JOURNALISM

3 CREDITS

PREREQUISITE: COM 350

Current practices in newspaper and news magazine publishing including reporting, editing, style sheets and legal considerations. Economic aspects of publishing such as advertising, circulation, and the impact of telecommunication.

COM 355 RADIO AND TELEVISION NEWS WRITING

3 CREDITS

PREREQUISITE: COM 350

Students transpose wire service language to language designed for mass communication media. Students work effectively in the tight frame imposed by commercial broadcasting.

COM 357 SCRIPTWRITING

3 CREDITS

This course uses a multidisciplinary approach to writing for performance. It examines the essential elements of scriptwriting for radio, television, film, Internet, stage, performance art, and other venues.

COM 358 SCRIPTWRITING AND PRESENTATION

3 CREDITS

This course focuses on the practical aspects of writing and presenting media scripts and on techniques, structures, and disciplines required to complete performance scripts.

COM 361 PUBLICATION DESIGN

3 CREDITS

This course is designed to provide basic instruction and practice in the fundamentals of graphics in mass communication. Students will be introduced to the processes of preparing and printing verbal and visual materials.

COM 364 PUBLIC RELATIONS WRITING METHODS**3 CREDITS**

PREREQUISITE: COM 360

This course examines the various forms of writing for public relations such as press releases, public service announcements, media alerts, interviews, video news release, and newsletters. This hands-on class requires student to keep finished writing samples in a presentable portfolio.

COM 372 INTERNATIONAL ADVERTISING & PUBLIC RELATIONS

PREREQUISITE: COM 370

3 CREDITS

The course focuses on the basic principles of international advertising in our global economy. Students learn about the various factors that drive advertising in international markets by understanding the advertising strategies, consumer demographic and psychographic profiles, cultural nuances, and the techniques employed by major global agencies to capture world markets.

COM 373 ADVERTISING COPYWRITING**3 CREDITS**

PREREQUISITE: COM 370

This course is designed to teach students how to create and evaluate effective advertising copy, apply marketing and advertising objectives, translate features into benefits, and write from the consumer's point of view.

COM 400 COMMUNICATIONS RESEARCH**3 CREDITS**

Designed for students of senior standing. Deals with analytic as well as descriptive research in the field of communication.

COM 403 MASS COMMUNICATION THEORY**3 CREDITS**

PREREQUISITE: COM 100

An advanced course that deals with different scientific theories about the mass communication process, and whether or not they are supported by the findings of communication research.

COM 420 TELEVISION DIRECTING**3 CREDITS**

PREREQUISITES: COM 120 AND COM 220

An advanced course applying principles and practices learned in earlier courses. Selected programs will be written and produced including topics of community interest for distribution over the community access television channel.

COM 425 ADVANCED TELEVISION WORKSHOP: NEWS**3 CREDITS**

PREREQUISITES: COM 320 AND COM 355 (CONCURRENTLY) OR INSTRUCTOR'S APPROVAL

A course designed to acquaint students with the various aspects involved in the production of television news broadcasts. The workshop will familiarize students with the management of a newscast in the studio and the technique of Electronic News Gathering (ENG).

COM 430 NON-LINEAR EDITING**3 CREDITS**

PREREQUISITES: COM 320

This course emphasizes advanced postproduction techniques used for non-linear editing. Students will learn how to digitize footage, trim sequences, edit audio, add effects, and create titles. Students practice with different styles of footage such as film, news, and advertising.

- COM 435 DOCUMENTARY PRODUCTION** **3 CREDITS**
 PREREQUISITES: COM 120 OR PERMISSION OF INSTRUCTOR
 This course will provide instruction and experience in aesthetics, story telling, and technical aspects of digital video field production and post production in the process of making a video documentary. A basic understanding on the genre and its history will be gained by viewing and analyzing key documentary works. Students will produce broadcast quality documentaries to be aired on the ECTV Channel.
- COM 440 WORKSHOP IN RADIO AND AUDIO** **3 CREDITS**
 PREREQUISITE: COM 241
 An advanced course applying principles and practices learned in earlier courses. Selected programs will be written and produced for use by the University radio station or for extended distribution outside the University.
- COM 450 ADVANCED JOURNALISM** **3 CREDITS**
 PREREQUISITE: COM 351
 An advanced course applying principles and practices learned in earlier courses. Students assume various roles found on newspapers to gain an understanding of how the editorial side of the contemporary newspaper functions.
- COM 460 SPECIAL TOPICS IN COMMUNICATION** **3 CREDITS**
 Seminar in specialized topics in communication for advanced students.
- COM 464 PUBLIC RELATIONS CRISIS MANAGEMENT** **3 CREDITS**
 Students learn to identify and prepare responses, under a public relations perspective, for the different types of crises that an organization can face. In applied case study analysis, students assess their ethical perspectives and develop organizational responses to crisis management.
- COM 468: PUBLIC RELATIONS CAMPAIGNS** **3 CREDITS**
 PREREQUISITES: COM 360, COM 361, COM 364
 This course prepares students for the real world of public relations. Students explore and develop a variety of types of public relations campaigns. They learn to plan, implement, and manage special events incorporating the public relations process including research, organization, programming, and evaluation. Students focus on developing public relations strategies and the evaluation of campaign outcomes.
- COM 476 ADVERTISING MEDIA PLANNING** **3 CREDITS**
 PREREQUISITE: COM 370
 The course prepares students for the important task of selecting and buying media for advertising purposes. Students learn various media selection methods, budget, and criteria for media selection.
- COM 478 ADVERTISING CAMPAIGNS** **3 CREDITS**
 PREREQUISITES: COM 370, COM 372, COM 373, COM 476
 This class serves as the capstone class for the integrated marketing communications track. Students learn real-life skills that are needed to design, implement and manage advertising campaigns for selected local business clients around campus.
- COM 480 INDEPENDENT STUDY** **3-9 CREDITS**
COM 490 INTERNSHIP **3 CREDITS**
COM 491 INTERNSHIP **6 CREDITS**

ECONOMICS

Chairperson: *Prem S. Mann*

Assistant Chairperson: *Maryanne T. Clifford*

Professors: *Rhona Free, John Lombard, Prem S. Mann, Dimitrios Pachis, Kenneth M. Parzych*

Associate Professor: *Maryanne T. Clifford*

Assistant Professor: *Jennifer L. Brown*

Major: Economics (B.A.)

Objectives

The goal of the Economics program at Eastern is to graduate students who understand the impact of economic issues on business, society, and government affairs. The program emphasizes the study of economics from a cross-disciplinary perspective and the development of analytical, communication, and quantitative skills. Cross-disciplinary training makes Eastern Economics graduates distinctive — they have the skills and knowledge to use economic analysis effectively in the environments they are likely to work in after graduation. Recent Economics graduates from Eastern hold positions in financial institutions, government and social agencies, consulting firms, and corporations.

In addition to preparing students for a wide variety of jobs after graduation, economics is an excellent major for students who plan to pursue graduate studies in law, public policy, or economics. Eastern's economics program, because of its cross-disciplinary nature, is a particularly appropriate major for students who intend to pursue Teacher Certification.

Economics majors are expected to organize their courses in one of the four applied areas— Business Economics, General Economics, Mathematical Economics, or Political Economy— depending on their career goals and interests. In each area they will take a combination of courses in Economics and other disciplines, and undertake learning experiences outside the classroom that will prepare them to complete a major project as part of the Senior Seminar and to make immediate contributions in their post-graduation employment.

Degree requirements

The Economics major requires 36 credits. Requirements vary, depending on the Area of Study.

Areas of Study

I. Business Economics (36 Credits)

This program serves the interests of those students who seek immediate career opportunities in business. By combining course work from economics and business/accounting with an optional internship or co-op in a business in the U.S. or overseas, Business Economics students are prepared to enter jobs in finance, marketing or general administration.

Required Economic Courses

| | |
|---------|---------------------------------------|
| ECO 200 | Principles of Macroeconomics |
| ECO 201 | Principles of Microeconomics |
| ECO 215 | Statistics for Business and Economics |
| ECO 301 | Intermediate Microeconomic Analysis |

| | |
|---------|--------------------------------------|
| ECO 302 | Intermediate Macroeconomic Analysis |
| ECO 315 | Government and Business |
| ECO 375 | Quantitative Methods for Bus. & Eco. |
| ECO 479 | Senior Economics Seminar |

An additional required course to be chosen from the following options:

| | |
|---------|---------------------------------|
| ECO 300 | Mathematics for Economics |
| ECO 305 | Introduction to Econometrics |
| ECO 322 | Environmental Economics |
| ECO 325 | Money and Banking |
| ECO 330 | Labor Economics |
| ECO 340 | Business Cycles and Forecasting |
| ECO 350 | International Economics |

Business/Accounting Courses

An additional nine credits (three courses) from business and/or accounting courses excluding ACC 480, ACC 490, ACC 492, BUS 480, BUS 490, and BUS 492.

II. General Economics (36 Credits)

This program provides a balance of economics courses with an emphasis on international economics and issues. With appropriate faculty advisement, students are well prepared to pursue graduate studies in economics, business, and law or immediate career opportunities with business and government agencies.

Required Courses

| | |
|---------|---------------------------------------|
| ECO 200 | Principles of Macroeconomics |
| ECO 201 | Principles of Microeconomics |
| ECO 215 | Statistics for Business and Economics |
| ECO 300 | Mathematics for Economics |
| ECO 301 | Intermediate Microeconomic Analysis |
| ECO 302 | Intermediate Macroeconomic Analysis |
| ECO 479 | Senior Economics Seminar |

Electives

An additional 15 credits (5 courses) from economics courses listed below:

| | |
|---------|---|
| ECO 305 | Introduction to Econometrics |
| ECO 310 | Contemporary Economic Problems and Issues |
| ECO 315 | Government and Business |
| ECO 320 | Developing Economies |
| ECO 322 | Environmental Economics |
| ECO 325 | Money and Banking |
| ECO 329 | Political Economy of Labor Relations |
| ECO 330 | Labor Economics |
| ECO 335 | Urban and Regional Economics |

| | |
|---------|---|
| ECO 340 | Business Cycles and Forecasting |
| ECO 345 | Industrial Organization and Development |
| ECO 350 | International Economics |
| ECO 353 | International Monetary Economics |
| ECO 355 | International Political Economy |
| ECO 360 | Comparative Economic Systems |
| ECO 370 | History of Economic Thought |
| ECO 375 | Quantitative Methods for Bus and Eco |
| ECO 377 | Public Finance |
| ECO 465 | Special Topics in Economics |

III. Mathematical Economics (36 Credits)

This program is recommended for those students who intend to pursue graduate studies in Economics. It emphasizes quantitative skill preparation and application of mathematics and statistical analysis to policy.

Required Courses

| | |
|---------|---------------------------------------|
| ECO 200 | Principles of Macroeconomics |
| ECO 201 | Principles of Microeconomics |
| ECO 215 | Statistics for Business and Economics |
| ECO 300 | Mathematics for Economics |
| ECO 301 | Intermediate Microeconomic Analysis |
| ECO 302 | Intermediate Macroeconomic Analysis |
| ECO 305 | Introduction to Econometrics |
| ECO 375 | Quantitative Methods for Bus and Eco |
| ECO 479 | Senior Economics Seminar |

Electives

Economics

One economics course (three credits) beyond the required courses, excluding ECO 480, ECO 490, ECO 492.

Mathematics

A total of two courses (six credits) from the following mathematics courses:

| | |
|---------|------------------------------------|
| MAT 243 | Calculus I with Technology |
| MAT 244 | Calculus II with Technology |
| MAT 315 | Applied Probability and Statistics |
| MAT 340 | Calculus III |
| MAT 341 | Differential Equations |

IV. Political Economy (36 Credits)

The Political Economy specialization is suitable for students who are interested in pursuing a career in government, social services, education, or law, and for those interested in getting a broad education in the social sciences. Political Economy emphasizes the interaction between history, social and cultural factors, and economics, so students in this area take non-technical courses from several disciplines.

Required Courses

| | |
|---------|---------------------------------------|
| ECO 200 | Principles of Macroeconomics |
| ECO 201 | Principles of Microeconomics |
| ECO 215 | Statistics for Business and Economics |
| ECO 479 | Senior Economics Seminar |

Electives

A total of 24 credits (eight courses) from the following groups are required, including at least nine credits (three courses) from economics. No more than six credits (two courses) from any other single discipline can be used. Approval of alternate courses may be obtained from an Economics Department faculty member.

Economics

Any courses except ECO 480, ECO 490, and ECO 492

Sociology

| | |
|---------|--|
| SWK 325 | Social Welfare Policy |
| SOC 250 | Social Inequality |
| SOC 355 | Latin America: Structure, Change & Development |

History

| | |
|---------|--------------------------------------|
| HIS 205 | European History 1815-1914 |
| HIS 250 | History of New England |
| HIS 272 | News and Views |
| HIS 313 | The Gilded Age to World War I |
| HIS 315 | The United States Between the Wars |
| HIS 316 | The United States After World War II |
| HIS 320 | Connecticut History |
| HIS 375 | History of Japan |

Political Science

| | |
|---------|-----------------------------------|
| PSC 305 | Comparative Public Administration |
| PSC 345 | Electoral Politics |
| PSC 350 | Public Policy & Decision-Making |

New England Studies

| | |
|---------|------------------------|
| NES 250 | History of New England |
|---------|------------------------|

Anthropology

| | |
|---------|--------------------|
| ANT 337 | Urban Anthropology |
|---------|--------------------|

Canadian Studies/Business

| | |
|---------|-----------------------------------|
| BUS 370 | Business Perspectives Canada/U.S. |
|---------|-----------------------------------|

Recommended Course Sequence: Economics Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule.

First Year

| | | |
|---------|------------------------------|-------------------|
| ENG 100 | College Writing | 3 |
| MAT 1XX | Math Course above 101 | 3 |
| | LAC Requirements | 15-18 |
| ECO 200 | Principles of Macroeconomics | 3 |
| ECO 201 | Principles of Microeconomics | 3 |
| | Electives | 3-6 |
| | Total | 30 credits |

Second Year

| | | |
|---------|---------------------------------------|-------------------|
| | LAC Requirements | 9-12 |
| | Foreign Language | 0-6 |
| ECO 215 | Statistics for Business and Economics | 3 |
| ECO 300 | Mathematics for Economics | 3 |
| ECO 301 | Intermediate Microeconomic Analysis | 3 |
| | Minor | 0-3 |
| | Electives | 3-9 |
| | Total | 30 credits |

Third Year

| | | |
|-------------|-------------------------------------|-------------------|
| | LAC Requirements | 4-7 |
| ECO 302 | Intermediate Macroeconomic Analysis | 3 |
| ECO 3**/4** | Economics Elective | 3 |
| ECO 3**/4** | Economics Elective | 3 |
| ECO/3**/4** | Economics/Business Elective | 3 |
| BUS | | |
| | Minor | 0-6 |
| | Electives | 5-14 |
| | Total | 30 credits |

Fourth Year

| | | |
|-------------|-----------------------------|-------------------|
| | LAC Requirements | 3-6 |
| ECO 479 | Senior Economics Seminar | 3 |
| ECO 490 | Internship | 0-6 |
| ECO/3**/4** | Economics/Business Elective | 3 |
| BUS | | |
| ECO/3**/4** | Economics/Business Elective | 3 |
| BUS | | |
| | Minor | 0-6 |
| | Electives | 12-15 |
| | Total | 30 credits |

Writing Intensive Courses

The departmental writing-intensive course requirement can be fulfilled by taking ECO 479.

Minor: Economics

ECO 200 and 201 plus four elective courses in economics (excluding ECO 215, ECO 480, ECO 490, ECO 492). A minimum of 12 credits of the minor must be completed at Eastern.

Honors Society for Economics

Each year selected students are honored for distinguished academic achievement by membership in the Zeta Chapter of OMICRON DELTA EPSILON, the International Honor Society for Economics.

Courses of Instruction: Economics

ECO 100 POLITICAL ECONOMY OF SOCIAL ISSUES

3 CREDITS

Note: Cannot be used in the Economics Major.

This course emphasizes the impact of historical context, social and cultural factors, and institutions on economic outcomes. In this course students use the political economy approach to analyze economic and social issues such as gambling in Connecticut, collective bargaining in baseball, building market economies in Eastern Europe, and environmental protection.

ECO 105 GLOBAL ECONOMICS

This course will provide an introduction to the global economic issues we encounter in our everyday lives and will explain them in relation to economics by providing an in-depth introduction to international economics for students without prior knowledge of economics. This course will introduce students to global economics by focusing on global issues and their political economy context by examining the impact of historical context, social and cultural factors, and institutions on global economic outcomes.

ECO 200 PRINCIPLES OF MACROECONOMICS

3 CREDITS

Study of the principles of economics designed to acquaint the student with the organization and functioning of the American economic system. Discussion of money and banking, national income, public finance, and an analysis of income determination, and the use of monetary and fiscal measures of stabilizing the economy.

ECO 201 PRINCIPLES OF MICROECONOMICS

3 CREDITS

Study of individuals, firms, and economic decision-makers, the social institutions that influence choice, and introduces the economic way of thinking. Course emphasizes the use of microeconomic theory to analyze its role and application in our daily lives including current issues such as the distribution of income, labor issues, international trade, the role of government, welfare economics, and the environment.

ECO 210 ECONOMICS AND THE ENVIRONMENT

This course examines how economic analysis can be used to understand the sources of environmental problems and possible solutions. Emphasis placed on basic economic tools and their application to social issues and policy such as pollution, recycling, energy, and sustainable development.

ECO 215 STATISTICS FOR BUSINESS AND ECONOMICS 3 CREDITS

Essential methods of statistical analysis will be discussed in this class. These topics include descriptive statistics, probability, probability distributions, sampling techniques and sampling distributions, inference-making, correlation, and regression. The emphasis will be given on the use of technology (such as MINITAB), real world applications, and analysis and interpretation of real data sets. Students will be required to collect their own data and conduct statistical analysis on those data.

ECO 300 MATHEMATICS FOR ECONOMICS 3 CREDITS

PREREQUISITES: ECO 200 AND ECO 201

An introduction to matrix algebra and calculus, with applications to economic models, including static (equilibrium) analysis, comparative static analysis and optimization.

ECO 301 INTERMEDIATE MICROECONOMIC ANALYSIS 3 CREDITS

PREREQUISITES: ECO 200 AND ECO 201

Study of the market behavior of resource owners, producers and consumers within the private enterprise system. Theories of demand, supply and production, market models, the pricing of factors, welfare economics and general equilibrium are covered.

ECO 302 INTERMEDIATE MACROECONOMIC ANALYSIS 3 CREDITS

PREREQUISITES: ECO 200 AND ECO 201

Detailed study of aggregate economic activity and its control. National income accounting, income determination, consumption, investment, economic growth and fluctuations, inflation, and stabilization policy.

ECO 305 INTRODUCTION TO ECONOMETRICS 3 CREDITS

PREREQUISITES: ECO 200, ECO 201, ECO 215, AND ECO 300

An introduction to the statistical methods used to test and measure relationships specified in economic models. Applications in business included.

ECO 310 CONTEMPORARY ECONOMIC PROBLEMS AND ISSUES

PREREQUISITES: ECO 200 AND ECO 201

3 CREDITS

In-depth but non-technical examination of some of the economic problems and issues of the day. Minimum of any four topics will be selected for discussion on the basis of student interest. Suggested topics include: the farm problem, unemployment, inequality and poverty, guaranteed annual income, population growth and economic well being, inflation, the national debt, big business and monopoly control.

ECO 315 GOVERNMENT AND BUSINESS

3 CREDITS

PREREQUISITE: ECO 201 OR PERMISSION OF INSTRUCTOR

An examination of the various regulatory constraints imposed by government intervention and analysis of their impact upon the structural characteristics and market performance of the American economy.

ECO 320 THE DEVELOPING ECONOMIES

3 CREDITS

PREREQUISITES: ECO 200 AND ECO 201

A survey of theoretical and practical development economics covering both external and internal aspects. Analysis of the current changes in the LDC's, the agents of change, and problems of the processes of change; focus on the leading issues of economics of change.

ECO 322 ENVIRONMENTAL ECONOMICS**3 CREDITS**

PREREQUISITE: ECO 201

Economic analysis applied to the environment with emphasis on the costs and benefits of regulation. Current theories and policies concerning the environment and environmental legislation, their relation to the economy will also be covered.

ECO 325 MONEY AND BANKING**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

Examination of the monetary and banking system and its relation to the general economic system. The nature and functions of money, analysis of the operation of the commercial banking system, the role of the Federal Reserve System, and monetary policy are emphasized.

ECO 329 POLITICAL ECONOMY OF LABOR RELATIONS**3 CREDITS**

A study of the political, economic and cultural context of work. Specific topics include the impact of technology, public policy, immigration, and forms of capital ownership on the nature of work and workers, the historical development and current role of labor unions, and the role of women in labor markets.

ECO 330 LABOR ECONOMICS**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

An introductory course in labor economics. A study of wage determination theories and an examination of recent empirical findings related to the impact of race, sex, education, unions, training, etc. on earned income.

ECO 335 URBAN AND REGIONAL ECONOMICS**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

Economic analysis applied to urban and regional problems of redevelopment with emphasis on analysis and techniques relevant to changing urban form and function, regional public finance, housing and renewal, poverty and race, transportation, and environmental problems.

ECO 340 BUSINESS CYCLES AND FORECASTING**3 CREDITS**

PREREQUISITES: ECO 200, ECO 201, AND ECO 215

Examination of major theories regarding the causes and effects of various types of fluctuations in the level of economic activity of advanced market economics. Study of the U.S. record of economic fluctuations and growth, the techniques used to forecast business cycles, and the public policies for stabilizing economic activity.

ECO 345 INDUSTRIAL ORGANIZATION AND DEVELOPMENT**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

The role of industry in economic development. The structure and behavior of industries of an economy. The choice of industry, the choice of technique, MNC's and transfer of technology. Allocation of investment criteria, industrialization strategy.

ECO 350 INTERNATIONAL ECONOMICS**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

Analysis of theory and practice in international trade relationships. Pure theory of trade; extensions, modifications, and applications of trade model. Theory and effects of tariff and other trade barriers. Economics of integration. Monetary theory of trade; balance of payments and exchange rate systems. International monetary system; trade, developing countries, multinational corporations, and other topics.

ECO 353 INTERNATIONAL MONETARY ECONOMICS**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

Economic analysis applied to international markets with emphasis on financial markets. Current theories and policies concerning balance of payments, capital flows, foreign exchange rates, and their relation to the economy.

ECO 355 INTERNATIONAL POLITICAL ECONOMY**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201; OR PERMISSION OF INSTRUCTOR

International relations examined from the political economy perspective, a systematic study of the relationship between economic and political behavior. Alternative approaches used to discuss various issues of international politico-economic relations: the role of the multinational corporations, international technology transfer, oil and the OPEC, politics of commercial policy, international monetary order, less developed economies and the New International Economic Order, etc.

ECO 360 COMPARATIVE ECONOMIC SYSTEMS**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

An investigation of the alternative ways of organizing the economic life: capitalism, socialism, and their major variants. Discusses methods and concepts and analyzes the operation and performance of the economic systems, both theoretically and empirically. Various aspects, apart from the purely economic, to be emphasized.

ECO 370 HISTORY OF ECONOMIC THOUGHT**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

Development of economic ideas examined as an evolutionary process influenced by external social and intellectual movements. Implications of the evolution of economic thought are evaluated in the light of its impact on historical development.

ECO 375 QUANTITATIVE METHODS FOR BUSINESS AND ECONOMICS**3 CREDITS**

PREREQUISITE: ECO 215

The basic concepts of management science in relation to decision making and optimization, integrating theory with management and economic applications and the use of microcomputers. Topics to be discussed include linear programming, distribution models, network models, inventory models, waiting lines, Markov chains, game theory and decision theory.

ECO 377 PUBLIC FINANCE**3 CREDITS**

PREREQUISITES: ECO 200 AND ECO 201

Examination of taxation and public spending with emphasis upon the allocative effects of taxes, the nature of government fiscal policy, and the nature and problems of debt management.

ECO 465 SPECIAL TOPICS IN ECONOMICS**3 CREDITS**

PREREQUISITE: PERMISSION OF INSTRUCTOR

Examination of a topic related to politics or political economy that is not the focus of an existing Economics course. May be repeated with a different topic and approval of the Department Chairperson. May be applied to any track in the Economics Major with the permission of the Department Chairperson.

ECO 479 SENIOR ECONOMICS SEMINAR**3 CREDITS**

PREREQUISITE: OPEN TO SENIORS OR PERMISSION OF INSTRUCTOR

A capstone course open only to seniors majoring in Economics. Application of theoretical knowledge and quantitative tools to various substantive economic problems and current issues, such as the problems of poverty, trade policy, health care system, women at work, development and environment, foreign investment in the U.S.A. etc. Each time selected theme(s) or topic(s) will be exhaustively investigated for theoretical and policy implications.

ECO 480 INDEPENDENT STUDY**3 CREDITS**

PREREQUISITES: OPEN ONLY TO ADVANCED MAJORS IN ECONOMICS AND CONSENT OF INSTRUCTOR REQUIRED

Independent research under the guidance of a faculty member on an approved, specified topic. A written project is required.

ECO 490 INTERNSHIP IN ECONOMICS**6 CREDITS**

PREREQUISITE: OPEN ONLY TO SENIORS BY APPLICATION

Note: May not be applied to ECO major.

Intensive field work experience in economics and business administration. Assignments in private, nonprofit and public institutions in areas such as manufacturing, retailing, finance, accounting, personnel or government services. Students should schedule a minimum of two full days per week.

ECO 492 DEPARTMENTAL INTERNSHIP**3 CREDITS**

PREREQUISITE: CONSENT OF DEPARTMENT FACULTY

Opportunity for economics majors to teach college-level economics under the direct supervision of an economics professor.

EDUCATION

Chairperson: *Leslie Perfect Ricklin*

Associate Chair: *Catherine Tannahill*

Professors: *Hari Koirala, Richard J. Reynolds, Leslie Perfect Ricklin, David L. Stoloff, Sudha Swaminathan, Jeffrey Trawick-Smith*

Associate Professors: *Theresa Bouley, Jeanelle Day, Ann M. Gruenberg, Cathy Tannahill*

Assistant Professors: *Anna Anderberg, Xing Liu, Brandon Monroe, Susannah Richards, Maureen Ruby*

Department information also appears at <http://www.easternct.edu/depts/edu/edu.html>

Eastern Connecticut State University is accredited by the National Council for Accreditation of Teacher Education (NCATE).

The Conceptual Framework of the Education Unit

(This document is also found at <http://www.easternct.edu/depts/edu/dept/cf2003.doc>)

The Education Unit's Conceptual Framework is aligned with the Connecticut Common Core of Teaching (CCCT) Standards, the Interstate New Teacher Assessment and Support Consortium (INTASC) Principles, the National Board for Professional Teaching Standards (NBPTS) Propositions and the National Council for Accreditation of Teacher Education (NCATE) Standards.

Performance Expectations for Candidate, Including a Description of Their Alignment with the Expectations in Professional, State, and Institutional Standards.

1: Content Knowledge (CNK)

- 1.1 Candidates/Graduates demonstrate in-depth understanding of content knowledge including central concepts, principles, skills, tools of inquiry, and structure of the discipline(s) they teach.
- 1.2 Candidates/Graduates are able to formulate clear and meaningful questions about the content to engage students in learning.
- 1.3 Candidates/Graduates are enthusiastic about the subject matter and appreciate the multiple perspectives of content knowledge they teach.

2: Pedagogical Knowledge (PDK)

- 2.1 Candidates/Graduates are able to identify developmentally appropriate learning goals and objectives for students based upon knowledge of subject matter, students, the community and curriculum goals (both state and national) and to plan instructional activities which foster individual and collective inquiry, critical thinking, and problem solving to facilitate learning for all students.
- 2.2 Candidates/Graduates demonstrate an understanding of major theories of human development and use instructional strategies to create positive classroom environments that maximize learning while promoting independence, social competence, and positive self-concept.

- 2.3 Candidates/Graduates establish a classroom environment that is safe, nurturing, and conducive to learning.
- 2.4 Candidates/Graduates establish and maintain appropriate standards of behavior to create a positive learning environment that shows a commitment to students and their success.
- 2.5 Candidates/Graduates use methods, activities, and grouping arrangements appropriate for lesson goals and objectives.
- 2.6 Candidates/Graduates conduct learning activities in a logical sequence which is flexible and developmentally appropriate to the needs interests, ability, and back ground of students.
- 2.7 Candidates/Graduates use various assessment techniques to evaluate student learning and modify instruction as appropriate to ensure the continuous intellectual, social, moral, and physical development of the learner.
- 2.8 Candidates/Graduates demonstrate enthusiasm, patience, acceptance, and caring about the well-being of students and promote life-long learning, perseverance, self-motivation, and scholarly habits of mind.
- 2.9 Candidates/Graduates appreciate individual variation within each area of development, show respect for the diverse talents of all learners, and help them develop self-confidence and competence.
- 2.10 Candidates/Graduates value the development of students' critical thinking, independent problem solving, collaborative inquiry, and performance capabilities as important tools for success.
- 2.11 Candidates/Graduates value flexibility and reciprocity in the teaching process as necessary for adapting instruction to student, responses, ideas, and needs.
- 2.12 Candidates/Graduates are committed to using multiple assessment techniques to identify student strengths and promote student growth rather than to deny students access to learning opportunities.

3: Integration of Knowledge (INT)

- 3.1 Candidates/Graduates promote connections between content knowledge and pedagogical knowledge to help students learn concepts, principles, skills, tools of inquiry, and structure of the discipline(s) they teach.
- 3.2 Candidates/Graduates demonstrate how different concepts, themes, and principles are interconnected within and across the discipline(s).
- 3.3 Candidates/Graduates demonstrate an ability to integrate learning theories and other pedagogical knowledge in their clinical experience and student teaching, or classrooms.
- 3.4 Candidates/Graduates appreciate the interconnection between content and pedagogical knowledge, between theory and practice, and among various disciplines as well as application of knowledge in students' everyday world.

4: Infusion of Educational Technology (TEC)

- 4.1 Candidates/Graduates integrate appropriate technology throughout their courses and clinical experiences.
- 4.2 Candidates/Graduates use a variety of print, visual materials, manipulatives, media, and electronic resources for exploration and development of concepts, principles, and skills associated with the content they teach.
- 4.3 Candidates/Graduates appreciate the availability of educational technology and use it with ease and enthusiasm.

5: Diversity (DIV)

- 5.1 Candidates/Graduates demonstrate acceptance of, and respect for, individual differences and talents among students, including students from different gender, ethnic, racial, socioeconomic, language, and religious groups and create supportive learning environments for all students to maximize their learning and develop independence, social competence, and positive self-concept.
- 5.2 Candidates/Graduates show an understanding of various learning styles and the unique characteristics of children with special needs and apply them to design and instruct students that support each student's academic, personal, and social development.
- 5.3 Candidate/Graduates show an acceptance and appreciation of diversity and demonstrate a multicultural perspective, exhibiting an awareness of the contributions that women and men from diverse racial and ethnic backgrounds have made to the human condition.
- 5.4 Candidates/Graduates believe that all students can learn at high levels and persist in helping all students achieve success.

6: Professionalism (PRF)

- 6.1 Candidates/Graduates become enthusiastic and energized in the classroom and show genuine pleasure in being a teacher.
- 6.2 Candidates/Graduates collaborate with cooperating teachers, other teachers, administrators, parents, families, and communities to motivate students and help them reach their maximum potential.
- 6.3 Candidates/Graduates display professional and ethical behavior in their work with students, colleagues, parents, families, and communities.
- 6.4 Candidates/Graduates reflect regularly on their own professional practice and seek guidance from colleagues and mentors to improve their own personal and professional growth.
- 6.5 Candidates/Graduates demonstrate beliefs and attitudes related to values such as caring, fairness, honesty, responsibility, and social justice.
- 6.6 Candidates/Graduates become involved in the professional community of educators with a desire to learn and grow professionally.
- 6.7 Candidates/Graduates demonstrate knowledge of the American public school

system and show an understanding of school organization and governance to maximize student learning.

- 6.8 Candidates/Graduates take leadership roles and advocate for positive change in American education.

Admission to the Program

All Education teacher candidates must be formally admitted to the Teacher Education Program. Students may not enroll in professional preparation courses until after admission to the program.

The Department of Education has established a committee of faculty members, the Committee on Admission and Retention in Education (CARE), which is responsible for this admission process. This committee also monitors student progress after admission.

Students interested in teacher preparation programs must apply to CARE at least one semester prior to enrolling in professional preparation courses. Undergraduate Early Childhood Education and Physical Education teacher candidates and graduate teacher candidates may begin professional preparation in both Fall and Spring semester and should submit application materials by October 1 to be admitted to professional preparation courses in Spring semester and by February 15 to be admitted to courses for Fall semester. Undergraduate Elementary and Secondary teacher candidates may begin professional preparation courses in Spring semester only; the application deadline for this program is always October 1. (If these dates fall on a weekend or holiday, then the applications would be due at the end of the following business day.)

The University has an obligation to children in the schools of Connecticut; therefore it is essential that only those teacher candidates who exhibit academic and personal qualities essential in teaching be admitted to the professional program. The University faculty and administrative staff reserve the right to refuse admission to the Teacher Education Program to those teacher candidates whose academic achievement may be satisfactory but who are deemed by the faculty to lack the professional dispositions desirable of teachers.

For admission to the Undergraduate Teacher Education Program, teacher candidates must: *

1. Complete or be in the process of completing ECE 215 and PSY 206 for the Early Childhood Education Program; EDU 200, EDU 210, EDU 360, PSY 206 or PSY 208 for the Elementary Education Program; EDU 200, EDU 210 and EDU 360 for the Secondary Programs.
2. Have an earned grade point average of 2.70 or higher with a C or greater in all pre-requisite coursework.
3. File a formal application by the required date.
4. Send to the Education Department references from a faculty member in their academic major, a faculty member from a General Education course, and a faculty member from the Education Department.
5. Pass PRAXIS I or other appropriate state test. This is a University and state requirement for certification, regardless of where one completes a teacher preparation program. (Note: The PRAXIS I exam or other appropriate state test must be taken a full year before admission so that scores will be received by CARE

before application deadlines. Students are urged to take PRAXIS I early in the sophomore year.) This test may be waived if a) the applicant has a total of 1,000 on the SAT, with neither subtest below 400 points (for any test administration on or prior March 31, 1995) or b) a total of 1,100 or more on the SAT with no less than 450 on either the verbal or the mathematics subtests (for any test administrations on or after April 1, 1995).

6. Satisfactorily complete personal interview, demonstrating competencies in oral communication, with a team of faculty.

Students will be notified in writing when action is taken on their application. CARE recommends teacher candidates for certification after successful completion of the program.

Retention in the Program

For admissions and retention in the Teacher Education Program, teacher candidates must:

1. Maintain a 2.70 grade point average throughout coursework;
2. Earn a grade of “C” or higher in all required education courses;
3. Display ethical and professional behavior in all courses and clinical experiences.

All education students must enroll in a certification program and have another subject major to receive a teaching certificate.

Clinical Experience

A clinical experience is required of all teacher candidates enrolled in CORE I and CORE II courses, and it is usually scheduled for one half-day per week in a public school setting. In addition, during CORE II, all elementary school teacher candidates spend one week at the Ragged Hill Woods Environmental Center. In this unique outdoor school, teacher candidates learn basic environmental concepts as well as the methods and skills for teaching these concepts experientially. The week-long Ragged Hill Woods Clinical Experience contains one day-long training session for the CORE II teacher candidates who then spend four days teaching small groups of children in grades K-8 who visit The Center. Topics include Connecticut history, general ecology, the natural history of local plant and animal life, basic geology, water ecology, as well as map use and other relevant topics.

Student Teaching

Student Teaching is usually assigned during a student’s senior year and is a full semester course required for teaching certification. Teacher candidates must apply to the Director of Educational Experiences in the Education Department for a student teaching placement in a regional school. Before being assigned such a placement, however, a student must be admitted by CARE to the Teacher Certification Program and have completed all education courses.

Placement for Early Childhood Certification will consist of two assignments. One assignment is a practicum (ECE 425) in special education in a preschool or kindergarten classroom, taken in CORE III (two full days per week). The second is a primary grade classroom (grades 1-3) taken in ECE 445 during CORE IV (four full days per week). At least one placement will be in a multicultural setting. Graduate students in the Early Childhood Program are required to take ECE 566. This may be taken as a four-week block during student teaching or as a full semester option, two full days per week. Placement for Elementary Certification will be in grades K-6, and placement for a Secondary Level Certification will be in a secondary

classroom, grades 7-12. All candidates for teaching certification are expected to have clinical experiences in urban, suburban, and rural school settings.

Teacher Candidates with Disabilities

In order to be certified in the State of Connecticut all teachers must demonstrate mastery of the Connecticut Teaching Competencies. The Education Department at Eastern Connecticut State University does not discriminate against teacher candidates with disabilities. In the absence of a formal program at Eastern to address the needs of teacher candidates with disabilities, the Education Department is prepared to make “reasonable accommodations” for teacher candidates who are admitted into the program. In order that appropriate accommodations may be planned, teacher candidates in need of special supports are encouraged to inform CARE as early as possible, and to consult with the campus Office of AccessAbility Services.

Certification requirements are continually modified by the Connecticut State Department of Education. Below are some highlights of recent changes:

Academic Major

The State of Connecticut requires that those receiving a certificate after 1993 have a subject matter major outside of education. Early Childhood Education teacher candidates are encouraged to complete either Psychology or Sociology majors, but may major in any discipline. Elementary teacher candidates may major in any discipline except Psychology or Sociology. Secondary teacher candidates must complete a major in Mathematics, Biology, Earth Science, History/Social Studies, or English.

General Education Requirements

The State of Connecticut requires that those receiving a teaching certificate have a diverse general education background in general academic courses. The following requirements may be met by undergraduate general education courses taken at Eastern.

For Early Childhood Majors:

| | |
|--|-----------|
| Science (two courses, one with lab) | 6 credits |
| English | 6 credits |
| Social Science | 3 credits |
| United States History (HIS 120, 121, or 310) | 3 credits |
| Math (MAT 139 recommended) | 3 credits |
| Arts | 3 credits |
| Foreign Language (if not met in high school) | 6 credits |
| PSY 206 | 3 credits |
| Current Issues in Health Education (HPE 201) | 1 credit |

For Elementary Majors:

| | |
|---|-----------|
| Physical or Earth Science | 3 credits |
| Biological Science | 3 credits |
| MAT 139 (not required for MAT majors or minors) | 3 credits |

| | |
|---|----------------|
| MAT 140 (not required for MAT majors or minors) | 3 credits |
| English (six hours above ENG 100) | 6 credits |
| Social Science (PSY 206 or PSY 208 recommended) | 3 credits |
| United States History (HIS 120, 121, 310 or other approved US History survey course) | 3 credits |
| Arts | 3 credits |
| Foreign Language (if not met in high school) | 6 credits |
| Health Dynamics (HPE 201 or HPE 210) | 1 or 3 credits |

Secondary education and post-baccalaureate teacher candidates, those certificate candidates having completed a B.A. or B.S. from an accredited university, may fulfill the state requirement for general education courses by completing the following coursework in general academic courses:

| | |
|---|----------------|
| United States History (HIS 310 or other approved US History survey course) | 3 credits |
| HPE 201 (1 cr.) or HPE 210 (3 cr.) | 1 or 3 credits |

Coursework in the following areas:

| | |
|--|-----------|
| Natural Science | 6 credits |
| Social Science | 3 credits |
| Arts | 3 credits |
| English | 6 credits |
| Mathematics | 6 credits |
| Foreign Language (if not met in high school) | 6 credits |

Connecticut's Common Core of Teaching

The State Department of Education has identified the 19 competencies which teachers must acquire during their teacher preparation program or first years of teaching. These competencies have been aligned with the Education Unit's Conceptual Framework. Teacher candidates' success during the university program and initial years of teaching will be assessed using these competencies; these competencies are reflected in the certification program objectives. Teacher candidates will be given opportunities to practice and master these throughout the program.

Praxis II

PRAXIS II, an exam that measures mastery of knowledge and skills critical to teaching in one's area of specialization, will be administered to all prospective Early Childhood, Elementary and Secondary teachers before a teaching certificate is recommended. Additionally, all Early Childhood majors will complete a portfolio assessment and present it to faculty before a teaching certificate is recommended.

Teacher Certification

Teacher candidates who are accepted into and complete one of the following programs in the Education Department, along with the required subject area major, will also complete State of Connecticut certification requirements for teaching in:

Early Childhood Education (N - 3)

Elementary Education (K - 6)

Secondary Education (7 - 12) in

Biology

Earth Science

English

History/Social Studies

Mathematics

Physical Education (K-12).

Teacher candidates interested in the Physical Education program should contact the Health and Physical Education Department in the Sports Center, Room 230. Students interested in the other programs should contact the Education Department in Charles R. Webb Hall, Room 124.

The Early Childhood Education and Elementary Education programs are major programs and result in a Bachelor of Science (B.S.) degree in these certification areas and a double major in an academic area. The Secondary programs are certification programs only and result in a degree in an academic area with teaching certification.

Certification at the Graduate Level

Post-baccalaureate teacher candidates might consider pursuing Early Childhood Education (N-3) Certification, Elementary Education (K-6) Certification, or Secondary Education (7-12) Certification within a Master of Science (M.S.) degree programs. Information on these programs may be found in the Graduate Section of this catalog and through advisement in the Education Department office.

Initial Educator Certificate

After completion of a certification program, including demonstrated mastery of required teaching competency, and upon successful performance on the PRAXIS II exam (and for Early Childhood candidates, successful completion of the portfolio also), teacher candidates are awarded an Initial Educator Certificate. During the first years of teaching, the new teacher participates in an induction program, called The Beginning Educator Support and Training (BEST) Program.

BEST (The Beginning Educator Support and Training Program)

The Beginning Educator Support and Training (BEST) Program provides a combination of support and assessment for the beginning teacher. The program provides mentors who serve as role models and guide beginning teachers as they develop the skills outlined in Connecticut's Common Core of Teaching. Assessment teams, which include peer teachers, administrators, and other educators, conduct classroom observation assessments to verify that new teachers have achieved a level of competency warranting provisional certification.

Undergraduate and Post-Baccalaureate Teacher Certification Programs

Early Childhood Education Major (B.S.)

This major is designed to prepare teachers for child care, preschool, kindergarten or primary programs which serve children from ages 3 to 8 years and their families. Completion of this

major will lead to Nursery to Grade 3 certification with certification in both regular and special education at the N and K levels.

Teacher candidates must complete the general education courses required for certification as outlined in the General Education Requirement section on previous pages.

Teaching Portfolio

All teacher candidates will develop a teaching portfolio during their professional preparation sequence. The portfolio will include a personal philosophy statement, evidence of curriculum planning, videotapes or narratives of teaching, and other materials which will document competence in the profession. The final portfolio will be presented to the early childhood faculty as evidence of competence in the field.

Early Childhood portfolio presentation sessions are scheduled twice during the spring semester. If students are unable to present during a scheduled presentation session or if they fail their presentation, they must wait until the next scheduled presentation to re-present their portfolio.

Articulation Agreement With Community Colleges

The Early Childhood Program at Eastern has developed an articulation agreement with regional community colleges. If you are transferring from a community college and have an Associate Degree in Early Childhood Education, please check with an advisor to determine which courses you will need. Note: Due to changes in state certification requirements, teacher candidates are advised to check with program faculty for any program changes.

Teacher candidates will complete the following Early Childhood Education (ECE) professional preparation courses:

Professional Preparation Courses:

To be taken before admission to the Program:

| | | |
|---------|--|-----------|
| ECE 215 | Foundations of Early Childhood Education | 3 credits |
| PSY 206 | Psychology of Childhood | 3 credits |

To be taken only after admission to the Program:

Core I (to be taken together as a block)

| | | |
|---------|--|-----------|
| ECE 305 | Introduction to Early Childhood Special Education | 3 credits |
| ECE 315 | Classroom Environments I (includes clinical experience) | 4 credits |
| ECE 325 | Language and Literacy | 3 credits |

Core II (to be taken together as a block)

| | | |
|---------|--|-----------|
| ECE 335 | The Integrated Curriculum in ECE (includes clinical experience) | 4 credits |
| ECE 345 | Classroom Environments II | 3 credits |
| ECE 355 | Reading and Writing in the Primary Years | 3 credits |

Core III (to be taken together as a block)

| | | |
|---------|--|-----------|
| ECE 405 | Adapting EC Curriculum for the Inclusive Classroom | 3 credits |
| ECE 415 | The Math and Science Curriculum in ECE | 3 credits |
| ECE 425 | Practicum in Early Childhood Special Education | 3 credits |

Core IV (to be taken together as a block)

| | | |
|---------|---|-----------|
| ECE 435 | Assessment in Early Childhood Education | 3 credits |
| ECE 445 | Student Teaching (in 1st, 2nd or 3rd grade) | 6 credits |

Total Professional Preparation **44 credits**

Elementary Education Major (B.S.)

This program is designed to prepare entry-level professionals to teach in elementary school classrooms. Elementary Education Certification at Eastern requires a major in an academic subject other than Education, Psychology, or Sociology, and the completion of the Professional Preparation Courses listed in the following recommended course sequence. Psychology and Sociology majors are best prepared for the Early Childhood Education Certification program since that certification program requires an emphasis in Human Development coursework.

Teacher candidates must complete the General Education courses required for certification as outlined on previous pages.

The Elementary Education Certification program at Eastern begins in the Spring semester each year. Teacher candidates must apply to the CARE Committee by October 1 for acceptance into that academic year's program.

Teacher candidates will complete the following professional courses:**Prerequisite courses must be completed prior to admission into the program**

| | | |
|---------|---|-----------|
| EDU 200 | Child and Adolescent Development and Exceptionalities | 3 credits |
| EDU 210 | Foundations of U.S. Education | 3 credits |
| EDU 360 | Technology in the Classroom | 1 credit |
| PSY 206 | Psychology of Childhood | 3 credits |
| or | | |
| PSY 208 | Psychology of Adolescence | 3 credits |

Professional Preparation Courses:

Note: The following courses may only be taken after admission by CARE and are taken simultaneously in units.

Core I (taken as a block) (Spring only)

| | | |
|---------|--|-----------|
| EDU 301 | Clinical Experience | 1 credit |
| EDU 304 | Learning and Teaching in Elementary Classrooms | 3 credits |

| | | |
|---------|---|-----------|
| EDU 305 | Reading and Language Arts I | 3 credits |
| EDU 307 | Inclusive Elementary Classrooms | 3 credits |
| EDU 306 | Reading and Language Arts II | 3 credits |
| EDU 401 | Clinical Experience | 1 credit |
| EDU 411 | Methods in Elementary Mathematics and Science | 3 credits |
| EDU 412 | Methods in Elementary Social Studies | 3 credits |
| EDU 413 | Methods in Elementary Science | 3 credits |

Core III (taken as a block) (Spring only)

| | | |
|---------|--|-----------|
| EDU 465 | Classroom Management and Assessment in the Elementary School | 3 credits |
| EDU 470 | Student Teaching - Elementary School | 9 credits |

Two of the following:

| | | |
|---------|--|-----------|
| ART 370 | Art in the Classroom | 1 credit |
| MUS 370 | Music in the Elementary Classroom | 1 credit |
| HPE 360 | Curriculum Materials: Physical Education | 1 credit |
| THE 360 | Theatre in the Elementary School Classroom | 3 credits |

Total Professional Preparation **45 credits**

Secondary Education Certification

This program is designed to prepare entry-level professionals to teach in secondary classrooms. The program leads to certification in grades 7 through 12. Teacher candidates may select and be certified to teach in the following major areas: Biology, English, Earth Science, History and Social Studies, other social science majors with selected coursework, and Mathematics.

Teacher candidates must complete the general education courses required for certification as outlined in the General Education Requirement section on previous pages.

In order to ensure that candidates have acquired important content, pedagogical, and professional knowledge, skills, and dispositions as expected in their discipline(s), each teacher candidate enrolled in the secondary certification program will be required to pass a competency-based assessment task during their methods course prior to their student teaching semester. If a teacher candidate fails to meet these expectations he/she will receive appropriate remediation. The candidate will then have a second opportunity to pass the assessment before student teaching. Candidates unable to pass the assessment task on the second attempt will be required to register for an independent study. The student teaching will be deferred until successful completion of the assessment task and the independent study.

Teacher candidates will complete the following professional courses in Education:

Foundations

| | | |
|---------|--|-----------|
| EDU 200 | Child and Adolescent Dev. and Exceptionalities | 3 credits |
| EDU 210 | Foundations of U.S. Education | 3 credits |
| EDU 360 | Technology in the Classroom | 1 credit |

Professional Preparation Courses

Note: The following courses may only be taken after admission by CARE and are taken simultaneously in units.

Core I (taken as a block) (Spring only)

| | | |
|---------|--|-----------|
| EDU 300 | Learning and Teaching in Middle and Secondary Classrooms | 4 credits |
| EDU 301 | Clinical Experience | 1 credits |
| EDU 410 | Reading in the Content Area | 3 credits |

Core II (taken as a block) (Fall only)

| | | |
|---------|--------------------------------|-----------|
| EDU 308 | Inclusive Secondary Classrooms | 3 credits |
| EDU 401 | Clinical Experience | 1 credit |

One of the following according to major:

| | | |
|---------|--|-----------|
| EDU 460 | Principles and Practices of Teaching Biology and Environmental Earth Science | 3 credits |
| EDU 462 | Principles and Practices of Teaching English | 3 credits |
| EDU 463 | Principles and Practices of Teaching History and Social Studies | 3 credits |
| EDU 464 | Principles and Practices of Teaching Mathematics | 3 credits |

Core III (taken as a block) (Spring only)

| | | |
|---------------------------------------|---|-------------------|
| EDU 425 | Classroom Management and Assessment in the Secondary School | 3 credits |
| EDU 471 | Student Teaching | 9 credits |
| Total Professional Preparation | | 34 credits |

English majors will complete the following special requirements as part of their program:

| | | |
|---------|---|-----------|
| ENG 203 | Writing for English Majors | 3 credits |
| ENG 329 | Adolescent Literature | 3 credits |
| ENG 340 | History and Development of the English Language | 3 credits |
| or | | |
| ENG 341 | Modern American Grammar | 3 credits |

Additional Requirements for the History/Social Studies Secondary Certification Program

Eastern's History/Social Studies teaching certification program is approved by the National Council for Accreditation of Teacher Education and the National Council for the Social Studies. The following courses are required for certification:

- ANT 106 Intro to Cultural Anthropology
- BIO 310 Process of Science within Society or EES 304 Environmental Issues
- ECO 200 Macroeconomics or ECO 201 Microeconomics
- GEO 100 Intro to Geography
- PSC 110 American Government and Politics
- PSC 140 International Relations
- PSY 100 General Psychology
- SOC 100 Intro. To Sociology

Required History Courses (besides others to fulfill the major) are:

- HIS 115 Intro to World History
- or
- HIS 116 Modern World History
- HIS 120 Early American History
- HIS 121 Recent American History
- HIS 200 Historical Research and Writing
- HIS 230 Western Civilization Before 1500
- or
- HIS 231 Western Civilization Since 1500

Additional requirement for mathematics secondary certification program:

- MAT 372 Advanced Mathematics for High School Teaching

Certification

After completion of one of the programs described above, teacher candidates will apply for certification in one of the following grade levels:

- N-3** Early Childhood (with dual certification in regular and special education at the N and K levels)
- K-6** Elementary Education
- 7-12** Secondary

Honors

Kappa Delta Pi, an international honor society in education, elects to membership those who exhibit the ideals of scholarship, high personal standards, and promise in teaching and allied professions. Eastern Connecticut State University's chapter, Epsilon Nu, was founded on April 13, 1943 as the 133rd chapter in the Society.

Courses of Instruction: Education

ECE 215 FOUNDATIONS OF EARLY CHILDHOOD EDUCATION 3 CREDITS

An introduction to the field of early childhood education. Examines the historical, philosophical, anthropological, psychological and social foundations of early childhood education. Explores issues in the field, ethics, and the organization and governance of American public schools, Head Start and child care centers. Includes the study of early child development, along with health and safety issues. Guided experiences in formal and informal settings that serve children required. Sophomore standing required.

ECE 305 INTRODUCTION TO EARLY CHILDHOOD SPECIAL EDUCATION 3 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

This course offers an introduction to special education, to provide teacher candidates with information about characteristics of various types of exceptionalities and special education laws, particularly as they apply to young children. The focus will be an overview of coordinated special services for young children and families, within integrated early childhood programs. Clinical experience required.

ECE 315 CLASSROOM ENVIRONMENTS I (INCLUDES CLINICAL EXPERIENCE) 4 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

Addresses classroom play environments for preschool and primary grade children. Focuses on the design of physical space, learning centers and materials, grouping, scheduling, and adaptations of these features to meet special needs. An emphasis is placed on play development and social competence and facilitating these through a planned environment. Multicultural perspectives on play and play environments are explored. Health and safety issues are considered. Clinical experience required.

ECE 325 LANGUAGE AND LITERACY (INCLUDES FAMILY CHILD CARE PROJECT) 3 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

An examination of the development of both oral and written language from birth through kindergarten. Constructivist and sociolinguistic learning theories are emphasized. Examines typical oral language development, second language acquisition, language and speech delays, and emergent reading and writing. The role of the adult in supporting language and literacy development is explored. Clinical experience required.

ECE 335 THE INTEGRATED CURRICULUM IN ECE (INCLUDES CLINICAL EXPERIENCE) 4 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

Addresses the planning of a developmentally appropriate curriculum, grounded in constructivist and sociolinguistic thought. Focuses on selecting curriculum content, materials and activities across the disciplines. Emphasizes the integration of literacy, math, science, social studies, and the aesthetic arts. A special focus is placed upon the anti-bias curriculum and on celebrating diversity. Multimedia applications are explored. Guided experience in the classroom required.

ECE 345 CLASSROOM ENVIRONMENTS II

3 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

Focuses on the design of physical classroom space, and the development of learning centers and materials in math, science, creative dramatics, and social studies, including the anti-bias curriculum. This course emphasizes appreciation of and sensitivity to diversity in ability, age, learning style, ethnicity, and gender.

ECE 355 READING AND WRITING IN THE PRIMARY YEARS

3 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

An examination of reading, writing, and oral language development from ages 5 to 8, including ways that teachers can support this growth through shared reading, language intervention, the environment, and a planned, balanced reading and writing curriculum. Promotes the integration of reading, writing, and verbal and nonverbal communication in all areas of the classroom and across the curriculum.

ECE 405 ADAPTING EC CURRICULUM FOR THE INCLUSIVE CLASSROOM

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM **3 CREDITS**

This course provides extended opportunities for teacher candidates to apply basic methods in Early Childhood Special Education, within integrated classrooms. This will include planning and implementing curricular adaptations, based on principles of developmental and individual appropriateness. Family involvement in all aspects of early childhood special education will be an integrated aspect of this course. Clinical experience required.

ECE 415 THE MATH AND SCIENCE CURRICULUM IN ECE

3 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

Examines teaching and learning of mathematics and science within the Early Childhood classroom. A focus will be on the integrated curriculum and the active construction of physical and logico-mathematical knowledge. The role of technology within this curriculum will be actively studied. Guided experience in the classroom including interaction with children required.

ECE 425 PRACTICUM IN EARLY CHILDHOOD SPECIAL EDUCATION

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM **3 CREDITS**

This practicum offers teacher candidates the opportunity to work closely with a child who has special needs, within a developmentally appropriate early childhood program. Teacher candidates will be asked to observe and record learning and behavior of this child and peers. They will be expected to adjust activities, as necessary, for learning differences and to facilitate social interaction between this child and “typically developing” peers. A focus is on scaffolding the child’s learning and development—that is, giving just the right amount of assistance, without over-directing or missing opportunities for appropriate intervention.

ECE 435 ASSESSMENT IN EARLY CHILDHOOD EDUCATION

3 CREDITS

PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

Examines assessment strategies in early childhood education. Facilitates the development of a portfolio as a documentation of teachers’ professional growth. Emphasizes portfolio assessment of children’s development. Explores tools for formative and summative program evaluation.

ECE 445 STUDENT TEACHING (IN 1ST, 2ND, OR 3RD GRADE) 3 CREDITS

PREREQUISITES: COMPLETION OF PROFESSIONAL COURSES AND APPROVAL OF CLINICAL EXPERIENCE COORDINATOR

A full semester of teaching experience in a primary grade setting, designed to translate theory into practice and to fulfill the requirements for Initial Teaching Certification issued by the Connecticut State Department of Education.

EDU 101 TEACHING IN THE 21ST CENTURY 3 CREDITS

PREREQUISITE: ACCEPTANCE BY APPLICATION

This course is designed for teacher candidates considering education as a major and teaching as a profession. Teacher candidates will have an opportunity to experience primary, middle and secondary education through field placements. Teacher candidates will obtain a systematic body of knowledge from which they can develop a repertoire of teaching practices to meet the learning needs of teacher candidates with diverse learning styles, developmental needs, cultural and socioeconomic backgrounds.

EDU 110 INTRODUCTION TO EDUCATION 3 CREDITS

Designed for teacher candidates interested in learning and teaching in NK-12 schools as future educators, parents, and concerned citizens. Through a two-hour seminar of study and self-reflection and a weekly three-hour clinical experience in local schools, teacher candidates will actively investigate primary through secondary classrooms and the dynamics and complex relationships of individuals and their communities concerning schools.

EDU 200 CHILD AND ADOLESCENT DEVELOPMENT AND EXCEPTIONALITIES 3 CREDITS

This course is designed to provide you with a broad overview of human development from conception to adolescence. We will cover typical and atypical human development in the physical, cognitive, linguistic, and social/emotional domain. Traditional and contemporary theories combined with current research in human development will be the basis of course content and class discussions.

EDU 210 FOUNDATIONS OF U.S. EDUCATION 3 CREDITS

PREREQUISITE: SOPHMORE STANDING

An introduction to U.S. education through a study and analysis of the historical, sociological, philosophical, ethical, legal, political, and financial factors basic to the governance and practice of American education. Clinical experiences in classrooms and administrative settings required. For Elementary, Secondary and Physical Education certification teacher candidates. Sophomore standing required.

EDU 260 (WST 260, ENG 260) INTRODUCTION TO WOMEN'S STUDIES 3 CREDITS

Note: Taught in conjunction with English department. Recommended for those wishing to take advanced women-related courses in English. Required of all Women's Studies minors. Provides necessary contextual background for the study of women and literature as well as the study of the history of women's education and sexism in education.

EDU 300 LEARNING AND TEACHING IN MIDDLE LEVEL AND SECONDARY CLASSROOMS **4 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

This course presents an overview of theories of learning most applicable to the teacher's task of promoting students' learning in classrooms. The task of meeting the learning needs of students ranging from the gifted to the various handicapping conditions is addressed as well as the process of matching teaching practices with the range of learning styles typical of elementary and secondary classrooms. Clinical experience required.

EDU 301 CLINICAL EXPERIENCE – CORE I **1 CREDIT**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

A full semester of clinical experiences in the classroom designed to translate theory into practice. Graded credit/no credit. In conjunction with Elementary or Secondary certification programs, CORE I – first semester.

EDU 304 LEARNING AND TEACHING IN ELEMENTARY CLASSROOMS

PREREQUISITE: ADMISSION TO THE UNDERGRADUATE ELEMENTARY **4 CREDITS**
CERTIFICATION PROGRAM. CO-REQUISITE COURSES: EDU 301, EDU 305, EDU 374.

Prospective teachers are expected to gain a systematic body of knowledge from which they can develop a repertoire of teaching practices and curriculum materials to meet the learning of students in Elementary Schools with divergent learning styles, developmental characteristics, and socioeconomic backgrounds.

EDU 305 READING AND LANGUAGE ARTS I **3 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

An examination of the nature of the reading/language process. Current knowledge about literacy development which includes the integration of reading, writing, and literature provides the theoretical perspective of this course. Focus on grades K-3. Clinical experience required.

EDU 306 READING AND LANGUAGE ARTS II **3 CREDITS**

This course provides pre-service teachers with an integrated approach to the teaching of the language arts (reading/language arts/children's literature), social studies, mathematics, and sciences in the elementary school. Both the theoretical and practical aspects of teaching will be explored and curriculum materials developed based upon common concepts. The course is team-taught with EDU 411, EDU 412, and EDU 413

EDU 307 INCLUSIVE ELEMENTARY CLASSROOMS **3 CREDITS**

This course focuses on the teaching of exceptional learners who are integrated into general education elementary classrooms. It addresses special education legislation, referral, assessment, individualized education plans, collaboration, differential instruction, assistive technology, and the basic knowledge teacher candidates need to understand various exceptionalities, & life span needs of students with disabilities. The course concludes with a discussion of trends and issues surrounding the education of students who are exceptional.

EDU 308 INCLUSIVE SECONDARY CLASSROOMS **3 CREDITS**

This course focuses on the teaching of exceptional learners who are integrated into middle and secondary level general education classrooms. It addresses special education legislation, referral, identification and assessment, collaboration, individualized education programs, transition, accommodations, characteristics of learners who have various special needs, assistive technology, classroom management, and life span needs. The course culminates with current trends and issues in the education of middle and secondary level learners who are exceptional.

EDU 360 TECHNOLOGY IN THE CLASSROOM**1 CREDIT**

Designed to introduce teachers to the computer as a multi-faceted tool. Teacher candidates will evaluate educational software from the perspectives of instructional design and curriculum integration. They will learn the potential for enhancing the learning environment using productivity software, teacher utilities, and telecommunication packages.

EDU 365 SPECIAL TOPICS**3 CREDITS**

Special areas of interest in elementary, middle, and secondary school education. Topics will change and course may be repeated with a change of topic.

EDU 401 CLINICAL EXPERIENCE – CORE II**1 CREDIT**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

A full semester of clinical experiences in the classroom designed to translate theory into practice. Graded credit/no credit. In conjunction with Elementary or Secondary certification programs, CORE II – second semester.

EDU 410 READING IN THE CONTENT AREA**3 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

An overview of the reading process and theoretical models of reading and language development. Specific strategies to meet the reading needs of middle and secondary school students with diverse backgrounds will be explored. Clinical experience required.

EDU 411 METHODS IN ELEMENTARY MATHEMATICS AND SCIENCE**3 CREDITS**

Development of teaching methods based on theoretical and practical aspects of teaching science in the elementary grades. Curricular materials, teaching strategies and classroom procedures will be examined and skills required for teaching science will be developed. All teacher candidates are required to complete a one-week outdoor education clinical experience at Ragged Hill Woods. This course is team taught with EDU 306, EDU 412, and EDU 413.

EDU 412 METHODS IN ELEMENTARY SOCIAL STUDIES**3 CREDITS**

PREREQUISITE: ADMISSION TO THE UNDERGRADUATE ELEMENTARY CERTIFICATION PROGRAM. COREQUISITE COURSES: EDU 306, EDU 401, AND EDU 411.

This course provides pre-service teachers with an integrated approach to the teaching of language arts (reading/language arts/children's literature), social studies, mathematics, and sciences in the elementary school. Both theoretical and practical aspects of teaching will be explored and curriculum materials developed based upon common concepts. This course is team-taught with EDU 306, EDU 411, and EDU 413

EDU 413 METHODS IN ELEMENTARY SCIENCE**3 CREDITS**

Development of teaching methods based on theoretical and practical aspects of teaching science in the elementary grades. Curricular materials, teaching strategies and classroom procedures will be examined and skills required for teaching science will be developed. All teacher candidates are required to complete a one-week outdoor education clinical experience at Ragged Hill Woods. This course is team taught with EDU 306, EDU 411, and EDU 412.

EDU 425 CLASSROOM MANAGEMENT AND ASSESSMENT THE SECONDARY SCHOOL **3 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM.

CO-REQUISITE: EDU 471

Note: Taken concurrently with student teaching.

Examination of the modern secondary school, its organization and curriculum. Trends and issues that influence how instruction is implemented and addressed. Adaptations for a range of learners and environments are considered.

EDU 438 PARENTING **3 CREDITS**

A course designed to investigate in depth the issues, expectations, and realities of parenting. Theories of parenting will be a part of the course but the major area of focus will be on issues relating to effective parenting.

EDU 460 PRINCIPLES AND PRACTICES OF TEACHING BIOLOGY AND ENVIRONMENTAL EARTH SCIENCE **3 CREDIT**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

Development of a philosophy of teaching biology and environmental earth science within the framework of a secondary science program. Selection and organization of materials. Guidance for student growth in developing scientific attitudes. Clinical experience required.

EDU 462 PRINCIPLES AND PRACTICES OF TEACHING ENGLISH **3 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

Fundamental objectives and methodology in teaching English. Review of materials and programs in secondary schools. The development of attitudes in using newer approaches. Clinical experience required.

EDU 463 PRINCIPLES AND PRACTICES OF TEACHING HISTORY AND SOCIAL STUDIES **3 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

Development of a philosophy for teaching history and social studies in the secondary schools. Current trends and issues, curriculum programs, teaching strategies, classroom procedures, and materials will be examined and developed. Clinical experience required.

EDU 464 PRINCIPLES AND PRACTICES OF TEACHING MATHEMATICS **3 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM

A course designed for those preparing to teach mathematics in the secondary school. Planning, methods of instruction, methods of curriculum development and techniques of evaluation will be covered. Clinical experience required.

EDU 465 CLASSROOM MANAGEMENT AND ASSESSMENT IN THE ELEMENTARY SCHOOL **3 CREDITS**

CO-REQUISITE: EDU 470

Examination of the elementary school, its organization and curriculum. Trends and issues that influence how instruction is implemented, managed, and assessed.

EDU 470 STUDENT TEACHING (ELEMENTARY SCHOOLS) 9 CREDITS

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF DIRECTOR OF EDUCATIONAL EXPERIENCES

A full semester of teaching experience in the classroom designed to translate theory into practice. Seminars required. Graded by credit/no credit. Completion of professional courses, admission to the Teacher Education Program, and submission of student teaching preference form. This course clearly identifies the student teaching experience required for initial Teaching Certification issued by the Connecticut State Department of Education and is consistent with Connecticut Department of Education Requirements.

EDU 471 STUDENT TEACHING (SECONDARY EDUCATION) 9 CREDITS

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF DIRECTOR OF EDUCATIONAL EXPERIENCES

A full semester of teaching experience in the classroom designed to translate theory into practice. Seminars required. Graded by credit/no credit. Completion of professional courses, admission to the Teacher Education Program, and submission of student teaching preference form. This course clearly identifies the student teaching experience required for initial Teaching Certification issued by the Connecticut State Department of Education and is consistent with Connecticut Department of Education Requirements.

EDU 480 INDEPENDENT STUDY 7 CREDITS

Research in an appropriate area of study. Consent of instructor and approval of department chairperson required.

EDU 490 INTERNSHIP IN EDUCATION 1-7 CREDITS

This course is designed to allow outstanding teacher candidates, who are recommended by university advisors, to have practical experience under the cooperative supervision of the student's advisor, and an outside school or agency. A plan of study must be filed with the student's advisor and the Education department chairperson. Consent of instructor and approval of department chairperson required. Graded by credit/no credit.

HEALTH AND PHYSICAL EDUCATION

Chairperson: *Robert Horrocks*

Professors: *Robert Horrocks, Daniel Switchenko, Neil F. Williams*

Associate Professors: *Darren Robert, Darren Dale, Charles Chatterton, Nanette Tummers*

Assistant Professors: *Gregory Kane*

Major: Physical Education (B.S.)

Special Subject Certification for Grades PreK-12

Objective

The B.S. degree with a major in Physical Education is designed for students who have a love of physical activity and a special interest in working in sport and exercise activities with children and youth. The program of studies provides excellent preparation for careers in public school physical education programs and other related agencies such as YMCAs, YWCAs, boys' or girls' clubs, and city or county public and private recreation programs and clubs.

The courses in this program emphasize studies in exercise science, instructional philosophy, and pedagogical analysis and techniques. The hallmark of this distinctive program is extensive clinical field experiences in public schools and professional agencies. For the teaching certification program, in addition to the senior year student teaching course, students will be involved in at least two off-campus practicum/seminar courses taught by physical educators currently teaching in area public schools.

Professional Development Point System

Students majoring in Physical Education or Sport Leisure Management are required to accumulate ten Professional Development Points each semester before registering for certain upper division practicum courses.

Cross Endorsement in Health

Students who receive Connecticut Teaching Certification in Physical Education are encouraged to seek a "cross endorsement" in health education. Students must complete 30 credits of course work specifically addressing health related topics, and pass the State of Connecticut Health Education Exam (Praxis II). See department brochure for particulars.

Grade Requirement

The grade of "C" or higher must be earned in all Physical Education major and minor courses.

CARE

Students pursuing a Connecticut Initial Educator Certificate in physical education must be formally admitted to the certification program by CARE (Committee on Admission and Retention in Education). This committee of faculty members from the Education and Health and Physical Education Departments is responsible for the admission process and also monitors student progress after admission. Students must have a grade point average of 2.7 and a passing score on all three components of PRAXIS I at the time of application to CARE. Students should apply to CARE in their first or second semester of study.

Degree Requirements

Requirements: The grade of “C” or higher must be earned in all Physical Education major courses and in all Sport and Leisure Management major courses. Passing PRAXIS I and having a GPA of 2.7 in all courses are required to qualify for HPE 441, HPE 445 and student teaching.

FIRST TIER

| Course | | Credits |
|---------|---|---------|
| EDU 200 | Child & Adolescent Development | 3 |
| HPE 210 | Personal Health | 3 |
| HPE 230 | Introduction to Physical Education | 3 |
| HPE 240 | Introduction to PE Curriculum Materials | 3 |

(Prerequisite to HPE 240: HPE 210 & HPE 230)

SECOND TIER

CARE Acceptance – Committee on Admission & Retention in Education

Requirements: GPA 2.7 and Passing Praxis I scores

(HPE 230 & EDU 200/210 in process or completed)

| | | |
|---------|---|---|
| EDU 210 | Foundations of U.S. Education (No prerequisite) | 3 |
| HPE 328 | Applied Anatomy & Physiology | 3 |

(Prerequisite for HPE 328: HPE 210 & HPE 230)

THIRD TIER

| | | |
|---------|---|---|
| HPE 329 | Physiological Basis of Movement* | 3 |
| HPE 363 | Elementary School Activities and Games* | 3 |
| HPE 368 | Educational Dance and Gymnastics* | 3 |
| HPE 401 | Motor Development* | 3 |

*(Pre-requisite: acceptance to CARE)

FOURTH TIER

| | | |
|---------|-----------------------------------|---|
| HPE 361 | Individual Activities and Games** | 3 |
| HPE 362 | Team Activities and Games** | 3 |
| HPE 413 | Physiology of Exercise** | 3 |

** (Pre-requisites: CARE; 329; 363; 368; 401)

FIFTH TIER

| | | |
|---------|--|---|
| HPE 315 | Adapted Physical Education*** | 3 |
| HPE 335 | Technology & Assessment in Physical Education*** | 3 |
| HPE 411 | Sports in American Society (Prerequisite WRT 50)*** | 3 |
| HPE 441 | Teaching, Organization & Administration of Elementary School PE (Seminar)*** | 3 |

| | | |
|---------|--|---|
| HPE 445 | Teaching, Organization & Administration of Secondary School PE (Seminar)*** ***(Prerequisites: CARE; 413; 361; 362) | 3 |
|---------|--|---|

SIXTH TIER

| | | |
|---------|---|---|
| HPE 475 | Student Teaching (Prerequisites: All course work; Praxis II registration) | 9 |
| HPE 476 | Student Teaching Seminar (Prerequisites: All course work; Praxis II registration) | 3 |

In addition:

One (1) U.S. or American History course

- HIS 120,121,221,241,245,251,302,303,310,316,318,321,322,or 358

One (1) English class above English 100

- HPE 075 First Aid Certification

Major: Sport And Leisure Management (B.S.)

Objectives

The B.S. degree with a major in Sport and Leisure Management provides introductory and advanced courses in sport management, recreation, and leisure studies, and it shares a common core of courses with the Physical Education majors. Students will be well-prepared for careers in sport management, employee wellness programs, private clubs, camps, governmental agencies, and commercial enterprises. This major focuses on the needs of a diverse population across age, gender, cultural and ethnic characteristics.

The Sport and Leisure Management major has a focus on a Health/Fitness with an emphasis on fitness assessment, and training, and exercise science.

Practicum Experience

To develop hands-on professional experience and fieldwork skills in leadership, programming, problem solving, communications and interpersonal relationships, students are required to participate in a supervised practicum experience as a culminating experience to the required coursework.

Grade Requirement

The grade of “C” or higher must be earned in all Physical Education and all Sport and Leisure Management major and minor courses.

Professional Development Point System

Students majoring in Physical Education or Sport and Leisure Management are required to accumulate 10 Professional Development Points each semester before registering for subsequent Tier courses.

Degree Requirements

| Course | Years | Common Core for PE & SLM majors | Credits |
|--------------|-------|--|-------------------|
| HPE 210 | 2 | Personal Health | 3 |
| HPE 328* | 2 | Applied Anatomy & Physiology (GER III B w/o lab) | 3 |
| HPE 315 | 3 | Adaptive Physical Education | 3 |
| HPE 329 | 3 | Physiological Basis of Movement | 3 |
| HPE 413 | 3 | Physiology of Exercise | 3 |
| HPE 411*** | 4 | Sport in American Society (writing intensive) | 3 |
| Total | | | 18 credits |
| SLM 240 | 1 | Introduction to Recreation and Leisure Services | 3 |
| SLM 341 | 2 | Program Development and Evaluation | 3 |
| SLM 330 | 3 | Design, Construction & Management of Sports Facilities | 3 |
| SLM 345 | 3 | Techniques: Leadership & Problem Solving | 3 |
| BUS 225** | 3 | Principles of Marketing | 3 |
| BUS 325** | 4 | Consumer Behavior | 3 |
| Total | | | 18 credits |
| SLM 340 | 3 | Exercise Testing and Prescription | 3 |
| SLM 350 | 4 | Health/Fitness Teaching Methods & Personal Training | 3 |
| SLM 495/496 | 4 | Internship: Health/Fitness | 3 |
| Total | | | 9 credits |

Electives: Choose Six Credits

| | | |
|---------|---|---|
| HPE 325 | Holistic Health | 3 |
| SLM 320 | Entrepreneurship, Marketing & Communication in Sports | 3 |
| HPE**** | 3 HPE activities health/fitness related classes | 3 |

Total 6 credits

Grand Total 51 credits

* Satisfies General Education Requirement (GER)

** Prerequisites may apply – consult with the instructor

*** Writing intensive course

**** SLM Majors must fulfill GER VB requirement

These HPE****electives may be applied to GER VB

Objective

The Physical Education and Sport & Leisure Management Minors are designed to complement studies in other majors. They will acquaint students with traditions and areas of inquiry of physical education and sport and leisure management.

Minor: Physical Education

| | | |
|---|------------------------------------|-------------------|
| HPE 230 | Introduction to Physical Education | 3 |
| HPE *** | Courses numbered 300 or higher | 12 |
| Total Credits for Physical Education Minor | | 15 credits |

Minor: Sport and Leisure Management

| | | |
|---------|---|----|
| SLM 240 | Introduction to Recreation Leisure Services | 3 |
| SLM *** | Courses numbered 300 or higher | 12 |

Total Credits for Sport and Leisure Management Minor 15 credits

Minor: Health

The Health minor is useful to teacher education students as well as students with a major in Psychology, Sociology, and Social Work.

Required Course:

| | | |
|------------------------------|--|-----------|
| HPE 210 | Personal Health | 3 credits |
| Electives: Choose 12 credits | | |
| HPE 102 | Healthy Weight Management | 2 credits |
| HPE 207 | Nutrition | 3 credits |
| HPE 310 | Alcohol and Other Drugs in American Schools and Colleges | 3 credits |
| HPE 312 | Group Dynamics in Health Education | 3 credits |
| HPE 320 | Sports Nutrition | 3 credits |
| HPE 325 | Holistic Health | 3 credits |
| HPE 448 | Teaching Health in Schools | |

Total Credits for Health Minor 15 credits

Minor: Coaching

The coaching minor is useful for those interested in working with young people in inter-scholastic sports programs and community volunteer sports programs. Courses introduce the student to the philosophical, scientific, and developmental aspects of conducting sports programs.

Required Courses:*

| | | |
|---------|-------------------------------|-----------|
| HPE 403 | Coaching Youth Sports | 3 credits |
| SLM 313 | Sport Physiology | 3 credits |
| or | | |
| HPE 413 | Physiology of Exercise | |
| HPE 370 | Athletic Training | 3 credits |
| HPE 303 | Sports Conditioning for Youth | 3 credits |
| HPE 320 | Sports Nutrition | 3 credits |

Total Credits for Coaching Minor 15 credits

** Students will also be required to obtain Red Cross First Aid and CPR Certification.*

Courses of Instruction: Health and Physical Education

HPE 101 FOUNDATIONS OF HEALTH-RELATED FITNESS 1 CREDIT

Note: This course plus two HPE courses numbered between 110 and 190 will satisfy the GER Physical Education requirement.

Presents information relating to exercise physiology, nutrition, and use of leisure time to provide a basic understanding of the functions of physical activity in the life of the individual.

HPE 102 HEALTHY WEIGHT MANAGEMENT 2 CREDITS

Note: This course plus one HPE courses numbered between 110 and 190 will satisfy the GER Physical Education requirement.

Designed to provide students with the basic principles for achieving and maintaining a healthy body weight.

**HPE 103 FOUNDATIONS OF HEALTH-RELATED FITNESS:
COMPREHENSIVE**

2 CREDITS

Note: This course plus one HPE courses numbered between 110 and 190 will satisfy the GER Physical Education requirement.

A survey of the basic concepts important in developing a physically active way of life. Includes extensive experience in a variety of sports and physical fitness activities. Presents information relating to exercise physiology, nutrition, and use of leisure time.

**HPE 104 FOUNDATIONS OF HEALTH AND WELLNESS
(LAC REQUIREMENT)**

2 CREDITS

An exploration of scientifically-based understandings of the physiological, genetic, behavioral, social and cultural factors that support health and wellness. Includes an understanding of health risks and the various challenges to human health and wellness.

Activity Courses

Activity Courses (listed below) are designed to assist in the development of lifetime sports-related skills which may support future leisure and recreational pursuits. These courses are graded on a credit/no credit (CR/NC) basis. Activity Courses are designed for the general college population to satisfy the GER requirements in physical education(GER VB).

HPE 110 AEROBICS FOR FITNESS

1 CREDIT

For students seeking physical fitness development through aerobic and flexibility training.

HPE 112 AEROBICS FOR FITNESS: ADVANCED

1 CREDIT

Advanced class for students seeking physical fitness development through aerobic and flexibility training.

HPE 113 HIP HOP AEROBIC DANCE

1 Credit

Students will perform sustained bouts of fundamental dance combinations to popular music at a high level of energy expenditure in a group setting.

HPE 114 FITNESS-WALKING

1 CREDIT

Designed to familiarize students with a life-long fitness activity to enhance cardio-respiratory endurance and body composition.

HPE 116 TRAIL WALKING

1 CREDIT

Field experiences in hiking and distance walking on local wooded trails, involving map reading and orientation, with an emphasis on group and self-reliance.

HPE 117 JOGGING FOR BEGINNERS

1 CREDIT

Walk-running or "cruising" is a merging of walking and running programs for beginning levels of fitness; programs are individualized but use alternating bouts of walking and running as interval training to build towards continuous running.

HPE 118 ADVENTURE RUNNING

1 CREDIT

Field experiences using different environments and running surfaces, stressing the physical, mental, and social experiences related to distance running.

HPE 120 TENNIS I

1 CREDIT

Covers basic forehand and backhand drives, volley, lob, overhead and serve; also rules, scoring, and basic strategies of singles and doubles; designed for beginning players who have little or no tennis experience.

- HPE 121 TENNIS II** **1 CREDIT**
PREREQUISITE. HPE 120 OR PERMISSION OF INSTRUCTOR.
Reviews the basic strokes of Tennis I. Emphasizes intermediate play and strategy for both singles and doubles.
- HPE 124 BADMINTON** **1 CREDIT**
Teaches the service, smash, clear, and drop shots, as well as rules and strategy of singles and doubles.
- HPE 128 RACQUETBALL** **1 CREDIT**
Provides instruction and practice in basic racquetball skills, rules and strategies for singles, 3-way, and doubles play.
- HPE 130 WEIGHT TRAINING** **1 CREDIT**
Instruction and practice in fitness activities with emphasis on strength development. Isotonic, isometric and isokinetic activities are included.
- HPE 132 BODY CONDITIONING WITH RESISTANCE BANDS** **1 CREDIT**
This course includes work in body toning, flexibility training, and general physical conditioning for individuals who wish to practice a form of resistance training without using weights.
- HPE 138 RAPE AGGRESSION DEFENSE** **1 CREDIT**
This course is an educational empowerment program which teaches realistic self-defense, risk reduction, and risk avoidance tactics and techniques and covers skills and strategies for rape prevention.
- HPE 140 YOGA** **1 CREDIT**
This course will introduce yoga postures and breathing techniques to improve personal wellness and aid in stress reduction. It aims to acquaint the participant with the harmonizing relationship of the mind, body, emotions, and spirit, while increasing flexibility, strength, and mindfulness.
- HPE 141 KUNG FU** **1 CREDIT**
Beginning level study of this martial arts, teaching the use of throws, strikes, kicks, and self-defense, including the philosophy of empowerment through self-improvement.
- HPE 142 TAE KWON DO** **1 CREDIT**
This course provides an introduction to the martial art of Tae Kwon Do to include history, philosophy, and basic skills techniques.
- HPE 143 TAI CHI** **1 CREDIT**
Tai Chi is a series of slow moving exercise forms for individuals who wish to practice a less strenuous fitness program. Tai Chi improves balance, tones the body, reduces stress, and promotes longevity.
- HPE 144 BOWLING 10-PIN** **1 CREDIT**
Teaches basic ten-pin bowling skills, scoring, handicapping, and league play format. Classes meet off campus at local bowling lanes, equipment provided; fee required
- HPE 145 PILATES** **1 CREDIT**
Principles and components of Pilates exercise system. Stretch, strengthen, and balance through exercising and breathing.

- HPE 146 HANDBALL** **1 CREDIT**
 Provides instruction and practice in basic four-wall handball skills, rules and strategies for singles, three-way, and doubles; equipment provided.
- HPE 148 CANOEING AND KAYAKING** **1 CREDIT**
 Designed to introduce the many different types of recreational boat paddling available. Recreational as well as racing canoes and kayaks will be utilized; equipment provided; fee required.
- HPE 150 SWIMMING FOR NON-SWIMMERS** **1 CREDIT**
 For students who cannot swim across a pool. Stresses safety and comfort in the water. Covers basic front and back strokes, floating and treading water; also feet-first and head-first entries.
- HPE 151 SWIMMING I-BEGINNING SWIMMING** **1 CREDIT**
 Basic swimming for fitness is introduced. Covers basic front and back strokes, floating and treading as well as feet-first and head-first entries. For the beginning swimmer who has minimal swimming skills.
- HPE 152 SWIMMING II-INTERMEDIATE SWIMMING** **1 CREDIT**
 Covers skills of the front, back, and breast strokes, and diving.
- HPE 155 OPEN WATER SCUBA DIVING** **1 CREDIT**
 This course provides basic information and skills for safe exploration of the underwater environment using self-contained underwater breathing apparatus. Successful completion of the course earns lifetime worldwide PADI (Professional Association of Diving Instructors) certification.
- HPE 157 WATER AEROBICS** **1 CREDIT**
 Designed to introduce a fitness activity with minimal stress to the joints of the body; suited to everyone, but especially those individuals who have an injury or limitations that may impede abilities outside the water.
- HPE 159 AEROBIC LAP SWIMMING** **1 CREDIT**
 Cardio-respiratory conditioning through distance swimming.
- HPE 175 GOLF: BEGINNER** **1 CREDIT**
 Covers the fundamentals of the complete swing, golf course etiquette, golf rules. Classes meet off campus at local golf course; equipment provided; fee required
- HPE 176 GOLF: INTERMEDIATE** **1 CREDIT**
 This course builds upon a basic foundation of golf skills previously developed in Golf: Beginning (HPE 175) or outside of class and includes refinement of the golf swing and course strategies, etiquette and rules; fee required.
- HPE 190 SPECIAL SPORT/FITNESS ACTIVITY** **1 CREDIT**
 PREREQUISITE: CONSENT OF DEPARTMENT CHAIRPERSON
 Opportunity to obtain credit for instruction in physical activities not offered in the above-listed activities.

Professional Courses of Instruction: Health and Physical Education

HPE 200 SPECIAL TOPICS

1-3 CREDITS

HPE 201 CURRENT ISSUES IN HEALTH EDUCATION

1 CREDIT

Included are the issues of drugs, mental health, alcohol, smoking, birth control, abortion, sexually transmitted diseases, weight control, marriage and the family, and AIDS education. Also includes the National Health Education Standards. Satisfies Connecticut State requirements for the Initial Educator Certificate.

HPE 207 NUTRITION ACROSS THE LIFESPAN

3 CREDITS

An introductory course designed to provide students with an understanding of the relationship between nutrition and the human physiological process. Major and minor nutrients will be studied within the context of nutritional problems and issues related to health promotion. Assessment of personal nutrition status is included.

HPE 209 NUTRITION AND PUBLIC HEALTH

3 CREDITS

An examination of current issues in the nutritional status of populations and their impact on public health. Controversies in public health nutrition and the factors that influence stakeholders' positions. The focus will be on population-based nutrition as opposed to individual nutritional choices. Will examine how issues and trends in food production, food supply, and food safety affect public health.

HPE 210 PERSONAL HEALTH

3 CREDITS

Concerned with physiological and psychological topics pertinent to the basic personal health of the college student. Includes such issues as drugs, mental health, alcohol, smoking, birth control, abortion, sexually transmitted diseases, weight control, marriage and the family, and AIDS education. Satisfies Connecticut State Requirements for the Initial Educator Certificate.

HPE 230 INTRODUCTION TO PHYSICAL EDUCATION

3 CREDITS

Designed to introduce students to professional aspects of physical education. Includes historical highlights, role of physical education in present society, and philosophical and scientific principles that serve as foundations for this subject. Acquaints students with professional organizations, literature, and career opportunities.

HPE 240 INTRO PE CURRICULUM MATERIALS

3 Credits

PREREQUISITES: HPE 210 AND HPE 230

Students will be introduced to curriculum models, teaching styles, and lesson planning through the development and assessment of physical education motor skill and physical fitness competencies. This course is a prerequisite for all HPE 300- and 400-level courses for physical education teacher education candidates.

HPE 250 LIFEGUARD TRAINING

3 CREDITS

Provides skill instruction and practice in aquatic safety, equipment based rescues, spinal injury management, and post-rescue care; leads to American Red Cross Lifeguard Certification, includes First Aid and CPR for the Professional Rescuer. Fee required.

HPE 255 WATER SAFETY INSTRUCTOR

3 CREDITS

For the advanced swimmer. American Red Cross WSI certification available. Fee required.

HPE 260 YOGA INSTRUCTOR**1 CREDIT**

A course designed to provide students with an opportunity to study, experience, and teach yoga in a wide variety of settings. Students will be introduced to yoga history, literature, philosophy, and techniques.

HPE 300 ADVENTURE EDUCATION**3 CREDITS**

Knowledge and skills required to organize and conduct a safe and effective adventure education program. Experience in planning, implementing, evaluating and participating in a variety of adventure education activities.

HPE 303 SPORTS CONDITIONING FOR YOUTH**3 CREDITS**

This course provides coaches of adolescent athletes with information on sports conditioning in the following areas: acceleration and speed, power, strength, flexibility, and muscular endurance. A detailed look at energy system requirements for various sports followed by course content on overload, intensity, and specificity with respect to each component of fitness.

HPE 310 ALCOHOL AND DRUGS IN AMERICAN SCHOOLS AND COLLEGES**3 CREDITS**

This course examines current theories, practices, and risk reduction strategies related to alcohol consumption and other drug use (AOD) in schools and colleges.

HPE 312 GROUP DYNAMICS IN HEALTH EDUCATION**3 CREDITS**

Provides participants with an opportunity to study how to implement group theory and related group dynamics to promote health education. Through various topics and issues, students will be introduced to group theory, group dynamics, interpersonal interactions, effective group participation, group facilitation, and leadership principles.

HPE 315 ADAPTED PHYSICAL EDUCATION**3 CREDITS**

PREREQUISITES: HPE 361 AND HPE 362

ACCEPTANCE TO CARE (SLM 240 AND SLM 329 FOR SPORT AND LEISURE MANAGEMENT MAJORS: SPORT MANAGEMENT ONLY)

Provides an awareness and understanding of individual differences among exceptional populations. Adaptation of instruction to meet the needs of diverse groups is a primary focus. Assessment, individualized educational planning, delivery of services, developmental and prescriptive teaching, and advocacy for the challenged are content areas. Students are required to participate in a field-work experience.

HPE 320 SPORTS NUTRITION**3 CREDITS**

This course explores current findings in sports nutrition and the relationship of sports nutrition to athletic performance, exercise physiology, physical fitness and health.

HPE 325 HOLISTIC HEALTH**3 CREDITS**

Overview of holistic health with emphasis on the assessment of personal wellness, planning for healthy living, and the mind-body connection.

HPE 326 STRESS MANAGEMENT**3 CREDITS**

Designed to provide students with a comprehensive approach to stress management. Development of a plan for recognizing the causes of stress and applying effective coping skills and relaxation techniques.

HPE 328 APPLIED ANATOMY AND PHYSIOLOGY**3 CREDITS**

PREREQUISITE: HPE 210 AND HPE 230

The structure of the human body and the mechanical aspects of human motion. Emphasis placed upon the skeletal, muscular, and nervous systems as they relate to movement.

HPE 329 THE PHYSIOLOGICAL BASIS OF MOVEMENT**3 CREDITS**

PREREQUISITE: HPE 328; ACCEPTANCE TO CARE

The function of the human body as it relates to movement. Emphasis on fundamental physiological processes involving bioenergetics, endocrinology, cardiovascular, respiratory, renal, and neuromuscular physiology as they pertain to physical activity.

HPE 331 ORGANIZATION/ADMINISTRATION OF PHYSICAL EDUCATION, ATHLETICS AND RECREATION**3 CREDITS**

Principles and methods of organization and administration of school based programs. Special attention to development of policies, scheduling, choice of activities, purchases and care of equipment, athletic management, and budgeting. Writing intensive.

HPE 335 TECHNOLOGY AND ASSESSMENT IN PHYSICAL EDUCATION**3 CREDITS**

PREREQUISITES: HPE 230, HPE 240, HPE 361 AND HPE 362

Provides the professional student with a practical guide emphasizing the knowledge and competencies for effective testing, measuring, and evaluating school and community physical education and fitness programs.

HPE 361 INDIVIDUAL ACTIVITIES AND GAMES PROFESSIONAL ACTIVITY COURSE**3 CREDITS**

PREREQUISITE: HPE 230 AND HPE 240; ACCEPTANCE TO CARE

A course in physical education pedagogy emphasizing teaching methods and materials in individual activities, games, and sports: tennis, golf, archery, fitness walking, badminton, swimming, track and field, outdoor pursuits.

HPE 362 TEAM ACTIVITIES AND GAMES PROFESSIONAL ACTIVITY COURSE**3 CREDITS**

PREREQUISITE: HPE 230 AND HPE 240; ACCEPTANCE TO CARE

A course in physical education pedagogy emphasizing teaching methods and materials in team activities, games, and sports: basketball, soccer, flag football, softball, baseball, floor hockey, lacrosse, volleyball, team handball, ultimate frisbee.

HPE 363 ELEMENTARY SCHOOL ACTIVITIES AND GAMES PROFESSIONAL ACTIVITY COURSE**3 CREDITS**

PREREQUISITE: HPE 230 AND HPE 240; ACCEPTANCE TO CARE

A course in physical education pedagogy emphasizing teaching methods and materials in individual and group activities and games appropriate for the elementary school: fundamental movement concepts and skills, moving with small equipment, educational games and sport lead-ups, skill themes, educational gymnastics.

HPE 368 EDUCATIONAL DANCE AND GYMNASTICS, STUNTS & TUMBLING PROFESSIONAL ACTIVITY COURSE **3 CREDITS**

PREREQUISITE: HPE 230 AND HPE 240; ACCEPTANCE TO CARE

A course in physical education pedagogy emphasizing teaching methods and materials in educational dance, creative rhythms, and gymnastics, stunts, and tumbling.

HPE 370 ATHLETIC TRAINING **3 CREDITS**

Designed to cover the prevention, evaluation, treatment and rehabilitation of common athletic injuries. Includes the use of therapeutic modalities, proactive taping, conditioning and rehabilitation exercises.

HPE 400 SPECIAL TOPICS **1-3 CREDITS**

HPE 401 MOTOR DEVELOPMENT **3 CREDITS**

PREREQUISITE: EDU 200, HPE 230 AND 240; ACCEPTANCE TO CARE

This course is designed to introduce concepts of motor development in infants, children, and adolescents to prospective physical education teachers. Students will examine changes in human development behavior across the lifespan, and the factors that contribute to those changes.

HPE 403 COACHING YOUTH SPORTS **3 CREDITS**

Familiarizes students with contemporary principles and practices of organizing and conducting youth sports programs. Medical, legal, and philosophical aspects included. Note: This course does not include the First Aid and CPR components necessary for the Connecticut State Coaching Certification.

HPE 410 INTERNATIONAL DIMENSIONS OF PHYSICAL EDUCATION **3 CREDITS**

This practicum course is conducted in a foreign country and focuses on physical education, athletic, and recreation programs, practices and trends in the host country.

HPE 411 SPORTS IN AMERICAN SOCIETY **3 CREDITS**

PREREQUISITE: WRT 50

Interdisciplinary dimensions of sport in society. Philosophical, psychological and sociological interrelationship of sports, the American culture and the participants in sports programs. Writing intensive.

HPE 413 PHYSIOLOGY OF EXERCISE **3 CREDITS**

PREREQUISITE: HPE 329; ACCEPTANCE TO CARE

Study of physiological changes in the human organism due to physical exercise, conditions that affect these changes, and ways they may be controlled.

HPE 437 CURRENT ISSUES IN PHYSICAL EDUCATION **3 CREDITS**

PREREQUISITES: 3.0 GRADE POINT AVERAGE, 60+ CREDITS EARNED

This seminar course will focus on the most recent trends, ideas, and developments in physical education. Topics will vary.

**HPE 441 TEACHING, ORGANIZATION AND ADMINISTRATION OF
ELEMENTARY SCHOOL PHYSICAL EDUCATION** **3 CREDITS**

PREREQUISITES: PERMISSION OF DEPARTMENT CHAIRPERSON; 2.7 G.P.A.
PASSED PRAXIS I

Planning, organizing, administering, and conducting a program of physical education in the elementary school. This seminar course is conducted in an elementary school setting.

**HPE 445 TEACHING, ORGANIZATION AND ADMINISTRATION OF
SECONDARY SCHOOL PHYSICAL EDUCATION** **3 CREDITS**

PREREQUISITES: PERMISSION OF DEPARTMENT CHAIRPERSON; 2.7 G.P.A.;
PASSED PRAXIS I

Planning, organizing, administering, and conducting a program of physical education in the secondary school. This seminar course is conducted in a secondary school setting.

HPE 448 TEACHING HEALTH IN SCHOOLS **3 CREDITS**

PREREQUISITE: HPE 210

Practicum experience in curriculum design, methods and materials of health instruction in schools.

HPE 475 STUDENT TEACHING (PRE K-12) **9 CREDITS**

PREREQUISITES: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND
APPROVAL OF FIELD EXPERIENCE COORDINATOR

Full-time teaching experience for Physical Education major for PreK-12 certification. Graded on credit/no credit basis, and taken concurrently with HPE 476.

HPE 476 PHYSICAL EDUCATION STUDENT TEACHING SEMINAR **3 CREDITS**

This course is designed to enhance the student teaching experience by assisting students in “bridging the gap” between the “theory” of the university coursework and the “practice” of the public school experience. This course will also prepare students in the many expectations that beginning teachers will face in their first years as a physical educator, including the B.E.S.T. program and the portfolio requirements. This course must be taken in conjunction with HPE 475 Student Teaching.

HPE 480 INDEPENDENT STUDY **1-3 CREDITS**

PREREQUISITE: PERMISSION OF DEPARTMENT CHAIRPERSON

For those students who wish to pursue independent research and writing.

HPE 490 UNIVERSITY INTERNSHIP IN PHYSICAL EDUCATION **1-3 CREDITS**

Opportunity to gain on-campus experience in teaching, coaching, or supervising a recreational or sports activity under the guidance of a university professional.

HPE 491 PROFESSIONAL INTERNSHIP **1-3 CREDITS**

Note: This course may be repeated for credit to a maximum of three credits.

Opportunity to gain off-campus teaching, supervision, or coaching experience under the guidance and supervision of a faculty member and in cooperation with a qualified professional in the community.

Professional Courses of Instruction: Sport and Leisure Management

HPE 492 PRE-PROFESSIONAL INTERNSHIP IN PHYSICAL EDUCATION

1-3 CREDITS

Designed to provide future physical education teachers with a pre-student teaching experience under the direction, guidance, and supervision of a public school physical education specialist.

Professional Courses of Instruction: Sport and Leisure Management

SLM 240 INTRODUCTION: RECREATION AND LEISURE SERVICES

3 CREDITS

An overview of the profession of recreation and leisure services, its history, philosophies, play theories, principles, and types of organizations providing recreation and leisure delivery in modern society.

SLM 313 SPORT PHYSIOLOGY

3 CREDITS

This course is designed to provide a basic understanding of exercise physiology, physical fitness, and the physiological basis of sport performance, health, and wellness.

SLM 320 ENTREPRENEURSHIP, MARKETING AND COMMUNICATIONS IN SPORTS

3 CREDITS

This course is designed to prepare students with the knowledge base and experience to develop business ventures in fields associated with sport. Special emphasis will be given to product development; promotion via television, radio, print media, direct mail, telemarketing; and the world wide web; strategies in public relations; and the cultivation of an attractive image for a business in sport.

SLM 330 DESIGN, CONSTRUCTION, AND MANAGEMENT OF SPORTS FACILITIES

3 CREDITS

Major emphasis given to the economic impact of sports facilities, emerging trends in design and construction, and the role of the sports manager in optimizing facilities for programming. Field experience required.

SLM 333 INTRODUCTION TO THERAPEUTIC RECREATION

3 CREDITS

PREREQUISITE: SLM 240 OR CONSENT OF INSTRUCTOR

An introduction to recreation services for individuals with disabilities. Exploration of disability rights and issues. Includes specialized leadership, communication techniques, program modification requirements, facilities, equipment and supplies appropriate for the development of therapeutic recreation services.

SLM 340 EXERCISE TESTING AND PRESCRIPTION FOR TYPICAL AND SPECIAL POPULATIONS

3 CREDITS

Designed to prepare students to perform cardiovascular, muscle function, and body composition assessments; interpretation of assessments, prescription of exercise programs and interventions.

SLM 341 PROGRAM DEVELOPMENT AND EVALUATION 3 CREDITS

Examines the nature of leadership skills, basics of human motivation, program leadership styles, the components of program design, and evaluation methodology in a variety of recreation and leisure settings. Field experience required.

SLM 343 PROGRAMMING IN THERAPEUTIC RECREATION 3 CREDITS

PREREQUISITES: SLM 240 AND SLM 333 OR CONSENT OF INSTRUCTOR

A comprehensive study of therapeutic recreation programming in community and institutional settings for persons who are ill and/or disabled.

SLM 345 MANAGEMENT TECHNIQUES: LEADERSHIP AND PROBLEM-SOLVING 3 CREDITS

Systematic and creative approach to the problems and vital issues facing the recreation and leisure practitioner on a daily basis and how to carry out responsibilities for effective service. Field experience required.

SLM 350 HEALTH/FITNESS TEACHING METHODS AND PERSONAL TRAINING 3 CREDITS

Highlights the teaching processes meeting the needs of clients in a variety of health/fitness settings; emphasis on exercise class and program development, teaching methodology, class management, instructional media, computer applications, evaluation.

SLM 353 LEISURE AND AGING IN THERAPEUTIC RECREATION 3 CREDITS

PREREQUISITES: SLM 240 AND SLM 333 OR CONSENT OF INSTRUCTOR

Leisure needs and perception of the elderly. Implications for therapeutic recreation services in clinical and/or community programs.

SLM 363 ISSUES & TRENDS IN THERAPEUTIC RECREATION 3 CREDITS

PREREQUISITES: SLM 240 AND SLM 333 OR CONSENT OF INSTRUCTOR

An investigation of current societal issues and trends as they relate to therapeutic recreation. Implications for therapeutic recreation services in clinical and community programs.

SLM 365 WORKSITE HEALTH PROMOTION, PLANNING, AND DEVELOPMENT 3 CREDITS

A course designed to enhance the academic preparation of future professionals in the health-fitness field. Major emphasis will be given to the planning, implementation, and evaluation of worksite health promotion programs. A practical experience in a health promotion program setting will take place.

SLM 375 EXERCISE MANAGEMENT 3 CREDITS

A focus on the area of exercise management relating to chronic diseases and disabilities. Emphasis will be on lecture, supervised practical experiences, case study review, and a review of the scientific literature relating to programming recommendations.

SLM 385 BEHAVIORAL ASPECTS OF LIFELONG PHYSICAL ACTIVITY

3 CREDITS

Highlights the area of physical activity and exercise in the area of adoption and maintenance. Motivational theories and related strategies and interventions related to the adoption and maintenance of physical activity and exercise will be reviewed. Students will be provided the opportunity to transfer and utilize the skills and techniques learned in the classroom setting into a lab/physical activity mentoring setting.

SLM 480 INDEPENDENT STUDY

1-3 CREDITS

PREREQUISITE: PERMISSION OF DEPARTMENT CHAIRPERSON

For those students who wish to pursue independent research and writing.

SLM 495 UNIVERSITY INTERNSHIP IN HEALTH FITNESS

1-9 CREDITS

Note: This course may be repeated for credit to a maximum of 12 credits.

Opportunity to gain off-campus experience in a recreational program with emphasis on organization, leadership, and supervision of health fitness activities, under the guidance of a university professional.

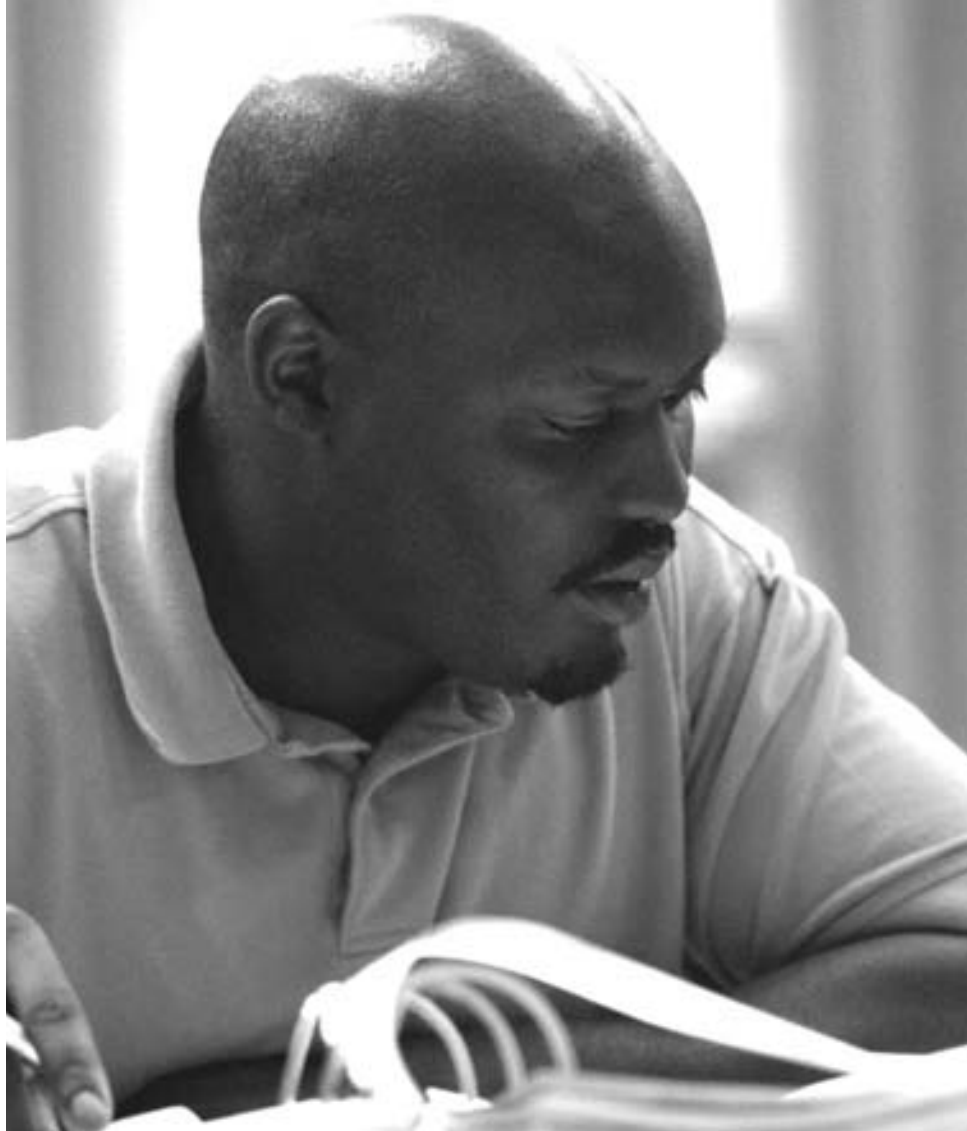
SLM 496 PROFESSIONAL INTERNSHIP IN HEALTH FITNESS

1-9 CREDITS

Note: This course may be repeated for credit to a maximum of 12 credits.

This internship course is designed to provide health fitness track majors with a pre-professional experience under the direct and individualized guidance and supervision of a health fitness specialist outside the university setting. Internship sites vary; consent of the department chairperson is required.

School of
Continuing Education



The School of Continuing Education

Rochelle P. Giménez, *Dean*

Carol J. Williams, *Associate Dean*

Nancy L. Tarkmeel, *Assistant Dean*

The mission of the School of Continuing Education is to provide a high quality comprehensive approach to serving the educational needs of part-time students at Eastern. We offer access and convenience to interdisciplinary academic programs, liberal arts core curriculum, university resources, and varied educational opportunities. Holistic professional academic advisement and support are provided to a broad community of diverse learners, online or at convenient times and locations on or off campus, delivered year round through a variety of formats. By creating innovative learning communities, the School of Continuing Education enables part-time students to complete their Associate's or Bachelor's degree in the minimum time possible.

Through a broad range of non-credit on-line programs, training opportunities are provided for professional development which include advanced technical and management training that meet the needs of individuals and businesses in a world of constant economic, social and technological change

Educational services include:

- Academic advisement for part-time undergraduate and all B.G.S. degree students.
- Degree Programs that can be fully completed through late afternoon and evening coursework.
- Availability of classes year-round, day, evening, and weekends.
- The Bachelor of General Studies Degree Program, an individualized degree for adults that maximizes non-traditional learning options.
- Unique associate and bachelor degree options for RN's, LPN's, and other health care professionals.
- Certificate programs in Business Information Systems, Management, Environmental Management and Policy, Sustainable Energy Management and Public Health.
- Recognition of nontraditional credits earned through CLEP/DSST testing, and ACE recommendations for military training.
- Accelerated bachelor degree completion year round.
- The Credit for Lifelong Learning Program that enables adults to earn credit for college-level learning gained through life/work experience.
- CLEP and DSST testing on-campus and at our Groton and Vernon sites throughout the year.
- Online courses and programs

The School of Continuing Education conducts programs on the main campus in Willimantic, in Groton on Poquonock Road, at the Naval Submarine Base, and in Vernon/Rockville. In addition, the School of Continuing Education, through its Office of Professional Development, conducts credit-free training programs for individuals and industries throughout the state.

The School of Continuing Education is located in Shafer Hall, Room 100 on South Campus.

For information call (860) 465-5125 or toll-free (877) 353-3278 or visit www.easternct.edu/ce. Information on course and registration fees for online credit courses through EasternOnline is also available at www.easternct.edu/ce.

Bachelor of General Studies Degree Program (B.G.S.)

The B.G.S. Degree is a flexible adult degree program offered through the School of Continuing Education at Eastern. It is available to both full-time and part-time students who are 25 years of age or older at the time of matriculation to the University. It is especially appropriate for those who have gained significant learning through their work/life experience. There is no minimum number of completed credits required for entry into the B.G.S. Program.

Credit requirements for the B.G.S. degree can be met through college coursework (taken at Eastern and other regionally-accredited colleges) in combination with nontraditional learning programs such as Eastern’s Credit for Lifelong Learning Program, CLEP (College Level Examination Program), DSST testing program, and American Council on Education (ACE) credit recommendations for military training. A maximum of 60 credits may be earned through one or a combination of nontraditional learning options.

Upon entry to the B.G.S. Program, each student completes a learning contract with a Continuing Education advisor. This contract outlines the student’s proposed plan of study and ensures that all degree and University requirements will be met. A minimum of 30 credits must be earned through actual coursework completed at Eastern. Transfer credits from other colleges and universities can be easily incorporated into the B.G.S. degree; there is no time limit on when transfer courses were taken. For further information about the B.G.S. Program, contact the School of Continuing Education at (860) 465-5125.

The “Fast Track” version of the B.G.S. Degree Program is offered for busy professionals who already have 60 or more prior college credits. Students in the “Fast Track”, register for a suggested “core” of courses, either online or in person in seven-week blocks, two nights per week or on Saturdays, and then work with advisors to find efficient ways to complete additional course work required for the bachelor’s degree. Students are encouraged to earn elective credits via CLEP or DSST tests, through Eastern, or by transferring additional credits. Suggested core courses are available for persons interested in the fields of management and human services administration as well as in Environmental Management and Policy and Sustainable Energy Management. Core courses for some major concentrations are available at the School of Continuing Education sites in Groton and in Vernon/Rockville as well as at regional community colleges.

Requirements for the B.G.S. Degree

| | |
|--|--------------------|
| Liberal Arts Core Curriculum | up to 46 |
| Major Concentration (<i>a minimum of 15 credits in the major concentration must be taken at Eastern</i>) | 30 |
| Minor Concentration | 15 |
| Electives | |
| Total minimum | 120 credits |

Note: One of the two required B.G.S. concentrations must be from a discipline in the School of Arts and Sciences.

1. Degree Programs for LPN's, RN's and Other Health Care Professionals

The School of Continuing Education offers a variety of degree options for health care professionals who have already completed training in a health care profession. These degree programs are available to both full and part-time students.

I. LPN's and Licensed/Certified Health Care Professionals

Both associate and bachelor degree programs are available for LPN's, dental hygienists, medical laboratory technicians, radiological technologists, and respiratory therapists who received their diploma/license or accredited training outside of a two-year community college program. Eastern awards 30 transfer credits for this previous training that can be combined with college coursework and CLEP/DSST to meet degree requirements. At least 15 credits must be completed in coursework through Eastern to earn the Associate in Science (AS) degree for health care professionals and at least 30 credits through Eastern to earn a bachelor's degree.

Bachelor degree students can choose to complete either a 30-credit individualized concentration within a B.G.S. degree or any major program available through Eastern. Please note: The completion of some majors may require students to exceed the minimum 120 credits indicated below for the B.A. or B.S. degree. Students interested in Teacher Certification should consult with the Education Department.

A. Requirements for A.S. Degree for Health Care Professionals

Transfer credit for LPN license and diploma; dental hygiene license and diploma; or accredited training in medical laboratory technology, radiological technology and respiratory therapy, 30

| | |
|------------------------------|-------------------|
| Liberal Arts Core Curriculum | up to 39 |
| Total minimum | 60 credits |

B. Requirements for B.G.S. Degree

Transfer credit for LPN license and diploma; dental hygiene license and diploma; or accredited training in medical laboratory technology, radiological technology, and respiratory therapy, 30

| | |
|---|--------------------|
| Liberal Arts Core Curriculum | up to 42 |
| Concentration (<i>at least 15 credits must be taken at Eastern</i>) | 30 |
| Electives | |
| Total minimum | 120 credits |

C. Requirements for B.A. or B.S. Degree

Transfer credit for LPN license and diploma; dental hygiene license and diploma; or accredited training in medical laboratory technology, radiological technology, and respiratory therapy, 30

| | |
|---|--------------------|
| Liberal Arts Core Curriculum | up to 42 |
| Major (<i>at least 15 credits must be taken at Eastern unless otherwise required by the major dept</i>) | 30-54 |
| Electives | |
| Total minimum | 120 credits |

II. Diploma RN's

RN's who completed their training through a hospital diploma program are awarded 60 credits toward a specially designed bachelor's degree program. They have the choice of completing either a 24-credit individualized concentration within a B.G.S. degree or any major program offered by Eastern.

Please Note: The completion of some majors may require students to exceed the minimum credits indicated below for the B.A. or B.S. degree. Students interested in teacher certification should consult with the Education Department. At least 30 credits must be completed in coursework through Eastern to earn a bachelor's degree.

| A. Requirements for B.G.S. Degree | Credits |
|---|--------------------|
| Credit for RN License | 60 |
| Liberal Arts Core Curriculum | up to 40 |
| Concentration (<i>at least 15 credits must be taken at Eastern</i>) | 24 |
| Electives | |
| Total minimum | 120 credits |

| B. Requirements for B.A. or B.S. Degree | Credits |
|---|--------------------|
| Credit for RN License | 60 |
| Liberal Arts Core Curriculum | up to 40 |
| Major (<i>at least 15 credits must be taken at Eastern unless otherwise required by the major department</i>) | 30-54 |
| Electives | |
| Total minimum | 120 credits |

III. Associate Degree RN's and Other Associate Degree Health Care Professionals

RN's and other health care professionals who have completed their training through an associate degree program will receive full transfer credit for their two-year degree. They can choose to complete either a 24-credit individualized concentration within a B.G.S. degree or any major program offered through Eastern. Note: The completion of some majors may require students to exceed the minimum 120 credits indicated below for the B.A. or B.S. degree. Students interested in teacher certification should consult with the Education Department. At least 30 credits must be completed in coursework taken through Eastern to earn a bachelor's degree.

| A. Requirements for B.G.S. Degree | |
|--|--------------------|
| Liberal Arts Core Curriculum | up to 40 |
| Concentration (at least 15 credits must be taken at Eastern) | 24 |
| Electives | |
| Total minimum | 120 credits |

| B. Requirements for B.A. or B.S. Degree | |
|---|--------------------|
| Liberal Arts Core Curriculum | up to 40 |
| Major (<i>at least 15 credits must be taken at Eastern unless otherwise required by the major department</i>) | 30-54 |
| Electives | |
| Total minimum | 120 credits |

The Associate Degree Program

The Associate Degree in Science (A.S.) degree is available only to students with fewer than 60 credits who are officially matriculated in the Associate Degree program at Eastern. Juniors and seniors currently matriculated in good standing for the baccalaureate degree are not eligible to apply for the Associate Degree. The Associate Degree program can be completed on either a full-time or part-time basis. All Associate Degree students plan their program with an advisor in the School of Continuing Education. Students in the regular Associate Degree program complete a two-year or 60-credit planned program of study that includes a 15-credit concentration. The area of concentration must be declared by the time a student has completed 30 credits. A student must complete a minimum of 15 credits in coursework at Eastern in order to earn an associate Degree. In addition, at least 15 credits within the degree must be in courses numbered at or above the 200-level.

Graduates of the associate degree program are considered alumni. They may continue in a bachelor degree program immediately upon conferral of the Associate Degree and submission of an approved continuation of study form available from the Registrar or the School of Continuing Education.

Requirements for the A.S. Degree

| | |
|---------------------------------------|-------------------|
| Liberal Arts Core Curriculum | up to 38 |
| Concentration (<i>five courses</i>) | 15 |
| Electives | 14 |
| Total minimum | 60 credits |

Liberal Arts Curriculum

- Tier I- First Year Liberal Arts Colloquium
- Health and Wellness
- Tier II- Any two categories
- Foreign Language

Certificate programs

Undergraduate certificate programs are available through the School of Continuing education for individuals who want to study a specific area in a shorter period of time than would be required to earn a degree. All courses in a credit certificate program may be applied to a degree program at a later date. Certificate programs are open to high school graduates as well as to baccalaureate degree holders. Certificate program include: Business Information Systems, Environmental Management and Policy, Management, Public Health and Sustainable Energy Management. Visit www.easternct.edu/ce for details.

Office of Professional Development

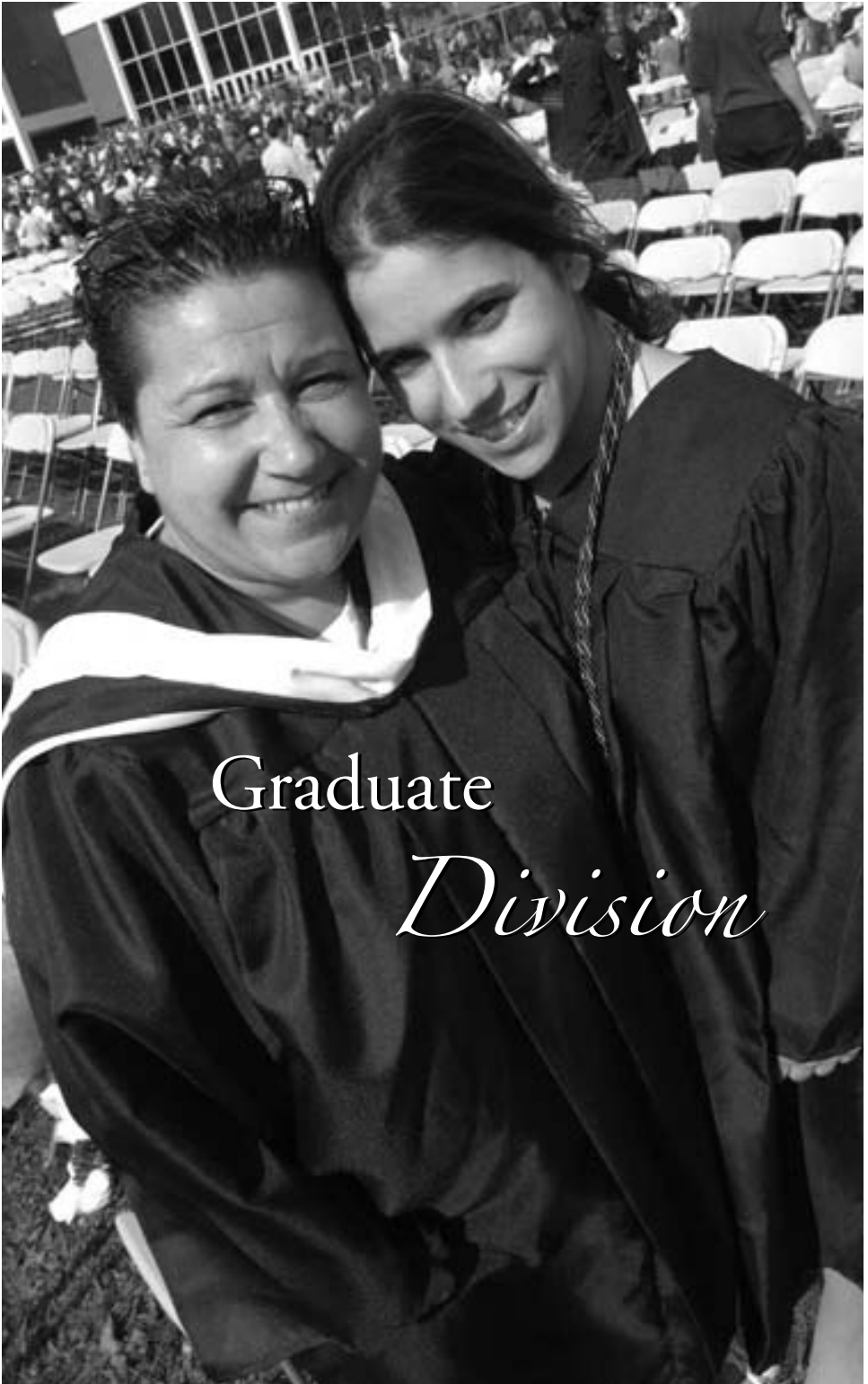
The Office of Professional Development within the School of Continuing Education provides hands-on training for students who understand the value of expanding their skills. The office is committed to providing the highest quality education available at an affordable price. Courses are designed to meet personal and professional needs, including career-track certificate programs, and Continuing Education Credits (CEUs).

Programs include:

SHRM Learning System Certificate Program

- Command Spanish® Inc. Occupational Language Program
- Fundamentals of Human Resource Management (SHRM)
- Graphic Design Certificate Program
- Web Design Certificate Program
- Online career training courses in health care programs, business programs, Construction Technology, Internet Design and Tech Programs, Networking and CompTIA Certification Programs, Microsoft Certificate Courses, Video Game Design and Development, Casino Gaming, and more.

The Office also coordinates the use of University facilities by outside groups and organizes summer conference programs on the campus. For more information about courses or for a facility request call (860) 465-5125 or visit www.easternct.edu/ce. The office is located in Shafer Hall on the South Campus and is open Monday through Friday from 8:30 a.m. to 4:30 p.m.



Graduate
Division

Graduate Division

Patricia A. Kleine, *Dean, School of Education and Professional Studies*
Charles R. Webb Hall

The graduate programs at Eastern Connecticut State University are administered by the Graduate Division of the School of Education and Professional Studies. The Graduate Division offers seven graduate programs leading to a Master of Science Degree.

The Department of Business Administration offers one Master of Science Degree:

- Master of Science Degree in Organizational Management

The Department of Education offers six Master of Science Degrees:

- Master of Science Degree in Early Childhood Education
- Master of Science Degree in Educational Technology
- Master of Science Degree in Elementary Education
- Master of Science Degree in Reading/Language Arts
- Master of Science Degree in Science Education
- Master of Science Degree in Secondary Education

GRADUATE APPLICATIONS AND ADMISSIONS

Applications for admission can be obtained electronically by visiting the Graduate Division web site at www.easternct.edu/depts/graduate/applications.htm or via e-mail at graduateadmissions@easternct.edu. If you do not have access to the Internet, you may request an application by calling (860) 465-5292 or writing to the Graduate Division, Eastern Connecticut State University, 83 Windham Street, Webb Hall, Room 160, Willimantic, CT 06226.

The Graduate Division has a rolling admission process. However, applicants are urged to submit completed applications and credentials by the priority deadlines. Priority deadlines are July 6 for fall semester admission, November 3 for spring semester admission, and May 15 and June 26 respectively for summer semester admission. When priority deadlines fall on a weekend or holiday, applications are due the following business day.

GRADUATE ADMISSION REQUIREMENTS

All applicants for degree status must submit:

1. A nonrefundable application fee of \$50.00.
2. A completed and signed Application for Admission to Graduate Study.
3. A statement of experience with software applications.
4. A personal statement of academic and career goals as they relate to the program.
5. Two letters of recommendation from individuals knowledgeable about the applicant's abilities to complete graduate work.
6. Official undergraduate/graduate transcript(s) from all institutions above high school, with certified English translations of any documents not written in English.

International applicants must also submit:

- Proof of financial support

Applicants whose native language is not English must also submit:

- A minimum score of 550 (paper-based) or 213 (computer-based) on the Test of English as a Foreign Language (TOEFL)

Applicants for non-degree status need submit only a completed Application for Admission to Graduate Study and an official transcript indicating degree conferred of undergraduate programs. No application fee applies for non-degree status.

ADDITIONAL ADMISSION REQUIREMENTS**Graduate Admission Requirements for the Master of Science (M.S.) Degree Programs in Education**

Applicants seeking admission to a graduate program must have a bachelor's degree from an accredited institution and have a minimum undergraduate GPA of 2.70. Their record must show evidence of professional promise and ability to do graduate-level study.

In addition to the requirements above, all applicants must submit:

1. A statement of educational philosophy and professional goals.
2. After submitting a graduate admissions application, applicants for the M.S. programs with certification must submit an application to the Teacher Education Program via the Committee on Admission and Retention in Education (CARE). All teacher candidates seeking admission into a certification program must be formally admitted into CARE. This committee is responsible for the admission process and also monitors teacher candidate progress after admission. CARE applications can be obtained from the Education Department in Webb Hall Room 124.
3. Applicants to all Secondary Education programs with certification must submit Praxis II scores (passing), in the corresponding content area, with the application for admission.

Graduate Admission Requirements for the Master of Science (M.S.) Degree in Organizational Management

Applicants seeking admission to the graduate program in Organizational Management must have a bachelor's degree from an accredited institution and have a minimum 2.70 undergraduate GPA. Their record must show evidence of professional promise and ability to do graduate-level study. Admission is on a limited, competitive basis. No more than 25 students will be admitted per semester. Work experience is considered in the admission decision.

In addition to the requirements above, all applicants must submit:

1. A case study analysis.
2. Evidence of work experience (Resume).

ADMISSION DECISIONS

Upon evaluation by the Dean of the School of Education and Professional Studies, all applicants will be notified in writing of their admission to the Graduate Division. At that time, graduate students will be assigned an advisor and will be expected to complete a written program of study within three months.

Acceptance of graduate coursework taken prior to admission is conditional upon review by the assigned graduate advisor and approval by the Dean of the School of Education and Professional Studies. Graduate students and teacher candidates must formally request that courses taken prior to application to the graduate program be accepted. This must be written into the Plan of Study. Graduate students are expected to work closely with an advisor while completing their Plan of Study.

Appeal of Admission Decision

Applicants may appeal an admission decision by submitting a written appeal to the Dean, School of Education and Professional Studies. Applicants will be notified of the outcome of their appeal in writing.

GRADUATE EXPENSES

The schedule of tuition and fees is valid at the time of publication of the catalog and is subject to change as required. The following fees are for the Fall 2008 and Spring 2009 academic year.

Application Fee \$50.00

This nonrefundable fee is required of all new degree students and is payable at the time of application for admission.

Tuition and Fees (per semester), subject to change as required.

Full-time students (9 semester hours or more)

Connecticut Residents*

| | |
|----------------------------|-------------------|
| Tuition | \$2,188.50 |
| State University Fee | 439.50 |
| University General Fee | 1,301.50 |
| Student Activity Fee | 80.00 |
| Information Technology Fee | 125.00 |
| TOTAL | \$4,134.50 |

Out-of-State Students*

| | |
|----------------------------|-------------------|
| Tuition | \$6,097.50 |
| State University Fee | 1,078.50 |
| University General Fee | 1,301.50 |
| Student Activity Fee | 80.00 |
| Information Technology Fee | 125.00 |
| TOTAL | \$8,682.50 |

*** Sickness Insurance Fee (estimated annual) \$625.00**

*For students entering in the Spring 2009 Semester, the sickness insurance fee is expected to be \$330.00. For waiver qualifications see "Waiver of Sickness Insurance" in the undergraduate expense section.

Part-time students (less than 9 semester hours)

| | |
|--|----------|
| Tuition (per credit) | \$388.00 |
| Registration fees (per semester, non-refundable) | \$35.00 |
| Audit Fee (per credit) | \$388.00 |

Online Courses

Information on course and registration fees for online courses is available at www.onlinecsu.ctstateu.edu.

Late Fee \$50.00

This fee may be charged to students who pay their fees or register after the established deadlines.

Returned Check Fee \$25.00

This fee will be charged for any checks which are not honored by banks.

Note: Per University policy, applicants who hold a bachelor's degree must pay graduate tuition for both undergraduate and graduate-level coursework.

Transcript Fee \$30.00

A one-time charge for first-time students that gives them unlimited access to their academic transcripts.

Financial Aid

Financial assistance includes grants, loans, scholarships, and employment. Financial aid information may be obtained from the Financial Aid Office in the Woods Support Services Center. Both full and part-time students are eligible to apply.

Graduate Assistantships

Graduate assistantships, full-time and part-time, may be available to graduate students. For further information and an application, contact the Graduate Division office.

GRADUATE ACADEMIC POLICIES

Academic Honesty

Integrity of scholarship is the cornerstone of the structure of the University. All students are expected to exhibit absolute honesty in all aspects of their academic life. Presenting work of another without acknowledgement, even in some modified form, is plagiarism. Violations of this tenet or any other form of academic dishonesty will be subject to penalty. Additional information and procedures can be found in the Eastern Connecticut State University Student Handbook.

Academic Standing: Warning, Probation, and Dismissal

Quality of work by individual students is ensured by the standard of a minimum grade point average of 3.00 ("B") to continue in matriculated status and to graduate. Students are subject to dismissal from graduate programs if a) their overall grade point average falls below 3.0, b) nine semester hours of "C" are earned in the accumulation of credits necessary to graduate or c) grades of "C" or below are earned in consecutive courses. Students who become subject to dismissal will be notified of action taken by the Dean of the School of Education and Professional Studies. Regular warning, probation and dismissal procedures are used to discourage unqualified students from persistent enrollment in courses.

Audit Policy

If space permits, students admitted to the Graduate Division may audit a course with written approval from the instructor and his/her advisor. A Course Audit Contract form must be returned to the Registrar's Office at the time of enrollment. Students auditing a course pay the graduate tuition and fees. Full-time students wanting to audit a course must carry a minimum of nine (9) credits of non-audited courses.

Students who audit courses should do so with the intention of attending all class sessions and fulfilling work agreed upon in advance with the instructor. All permissions and registrations for auditing courses must be filed with the Registrar's Office before the first class session. Audit status may not be changed to credit status. A student may take a course for audit that previously had been taken for credit. With an advisor's permission, audited courses may be taken for credit during a later semester. The designation of "AU" will be placed on the transcript indicating that the audit occurred.

Culminating Experiences: Comprehensive Examinations, Portfolios and Seminars

All graduate students must successfully complete a culminating experience after all other required coursework and electives have been completed. Students majoring in an educational field have the option of completing either a comprehensive portfolio (a reflection based on the assimilation of knowledge relevant to their discipline) or thesis. Students majoring in Organizational Management have the option of completing either a comprehensive examination or a thesis. Thesis expectations are outlined later in this section.

Comprehensive examination/portfolio submissions are offered twice each year, once in the fall semester and once in the spring semester. Graduate students who do not pass the comprehensive exam/portfolios may rewrite again the following semester. If the student fails for a second time, no additional opportunities to retake the exam will be given and no degree will be granted. Early Childhood Education graduate students who receive a conditional score on their comprehensive portfolio may revise and resubmit their portfolio within the same semester. Those who receive an unacceptable score must wait until the next semester to resubmit their revised portfolio.

Those students taking the comprehensive exam in Organizational Management who fail three or more of the five exam questions are considered to have failed the entire exam. Students who fail one or two questions will have the opportunity to be reexamined on those content areas within 30 days. Failure of either one or both of the repeated content areas will result in failure of the entire exam.

Students who fail the comprehensive examination/portfolio and wish to appeal may follow the University grade appeals procedure as outlined. All steps must be followed in accordance with timelines and established policy.

Course Load

Graduate students are classified as full-time or part-time depending upon the number of semester hours for which they enroll. A full-time student must register for a minimum of nine (9) semester hours; part-time students register for fewer than nine (9) semester hours.

The maximum load for a graduate student is twelve (12) credit hours. Exceptions to the credit load maximum can be requested by petitioning the Dean of the School of Education and

Professional Studies in writing. Audited courses do not count toward the minimum credit hours for classification as a full-time student. Reducing the course load below nine (9) credits will result in a change of status to part-time and can affect a student's financial aid, approved Plan of Study and/or visa status. As a result, students should contact the appropriate University department (e.g., the Office of Financial Aid, International Programs) before reducing the total number of credits taken in a semester.

Grade Appeals

A student may appeal the final grade given in a course. Explicit information about the procedures for initiating this process can be found in the Eastern Connecticut State University Faculty Handbook and Eastern Connecticut State University Student Handbook.

Grading System

The graduate program at Eastern operates on a four-point marking system with the following values assigned to the letter grades:

A = 4.0 Superior Performance

A- = 3.7

B+ = 3.3

B = 3.0 Expected Performance

B- = 2.7

C+ = 2.3

C = 2.0 Below Graduate Standards

C- = 1.7

D+ = 1.3 Unacceptable

D = 1.0

F = 0.0

I (Incomplete) = 0.0

W (Withdrawal) = 0.0

AU (Audit) = 0.0

No graduate credit is awarded for grades below "C."

Incompletes

Instructors may award the grade of "I" when students are temporarily unable to fulfill course requirements. It is each student's responsibility to complete the work within six weeks after the beginning of the first full semester following the granting of the "I." If a grade is not submitted by the deadline, the "I" automatically becomes an "F."

Independent Study/Readings and Research

Directed independent study/readings and research may be taken with the permission of the advisor, identified faculty member, and the appropriate department chair. A student may not register for more than six (6) credits of independent study/readings and research throughout his/her graduate program.

Students and faculty directors of independent study/readings and research are responsible for defining projects and justifying them as independent study/readings and research projects.

Application forms for independent study/readings and research must be completed prior to the beginning of the semester when the study will take place. Forms are available in the Graduate Division. Independent study/readings and research may be appropriate when one or more of the following factors prevail:

- The University does not offer coursework related directly to a proposed study within the student's area of interest;
- The topic to be studied is interdisciplinary and courses are unavailable; or
- The student has taken all the course work available in his/her field of interest.

Intent to Graduate

Graduate students who plan to complete their degree requirements for graduation in August, December, or May must submit an Intent to Graduate form to the Dean of the School of Education and Professional Studies, by the deadlines published in the Academic Calendar. Forms are available in the Graduate Division or electronically at www.easternct.edu/depts/graduate/ad-forms.htm.

International Students

International students must meet all of the requirements for admission to the Graduate Division as well as any particular requirements of the program to which they are seeking admission. In addition, international students must meet these requirements:

- Hold the equivalent of a United State's bachelor's degree from an internationally recognized institution of higher education. The degree must be documented with certified copies of all academic coursework, graduate and undergraduate. The records must be translated into English by a record translation agency and presented in a form usable by a United States university.
- Provide a completed Financial Eligibility Statement, provided by Eastern Connecticut State University, and documentation in English to verify financial capability and responsibility.
- If applicants are not native English speakers, they must provide a proof of competency in English by earning a minimum score of 550 (paper-based) or 213 (computer-based) on the Test of English as a Foreign Language (TOEFL). Students need to request that a copy of the score be sent to the Graduate Division of Eastern Connecticut State University.

Leave of Absence

A six (6) year time limit for degree completion is imposed on graduate students. If extenuating circumstances occur that inhibit the ability of a student to move forward in a timely manner toward degree completion, a leave of absence can be requested. Leaves of absence are granted to graduate students who must interrupt their six-year planned completion deadline. Leaves of absence are approved for not less than one full semester and may not exceed four semesters (a cumulative total of two years) to students who intend to return to the University.

Leave of Absence Forms are available from and should be returned to the Dean of the School of Education/Professional Studies and Graduate Division. Students must specify the semester in which they plan to return.

A leave of absence is recorded on the student's official transcript.

Matriculation

Matriculation is formal admission to the Graduate Division. All students must matriculate in order to take graduate courses. This includes those individuals who are not seeking a degree. Matriculated degree students are those individuals who have met all requirements and have been admitted into a program leading to a Master of Science degree. Matriculated non-degree students are those individuals who have met all requirements and have been admitted to the Graduate Division, but are not enrolled in a degree-granting program.

Non-Degree Status

Students seeking additional course hours who do not wish to enroll in a degree-granting program can apply for non-degree status. Non-degree applicants must meet all requirements established by, and be admitted into, the Graduate Division. Individuals in this category can accrue a total of nine (9) credit hours. After the accumulation of nine (9) credit hours the individual must apply for, and meet specific requirements for, a degree-granting program. Non-degree students who fail to take courses for two successive semesters will be considered inactive. Students seeking to re-enroll will be required to petition for readmission.

Permission to Enroll in EDU 570

EDU 570: Capstone Seminar is designed to be the last course in all graduate programs in education at Eastern Connecticut State University. To obtain permission to enroll in EDU 570, graduate students will be expected to complete the Permission to Enroll in EDU 570: Capstone Seminar form through consultation with their graduate advisor. The form is available online at: www.easternct.edu/depts/graduate/documents/SpecialPermissionForm-EDU570.pdf.

Permission requests to enroll in the Capstone Seminar may be completed via email between the student and advisor. A copy signed by the advisor will be sent to the student and placed in the advisor's file. Students must include their approved EDU 570 permission form when submitting their registration either in-person, via mail, or fax to the Registrar's Office. Web registration for EDU 570 is not available.

Program of Study

Once a student has been admitted to a graduate degree program, the student must meet with his/her faculty advisor to develop a Plan of Study. This Plan of Study documents the courses and other degree requirements the student must complete prior to graduation. The student and his/her advisor sign and submit the document to the Dean of the School of Education and Professional Studies, for approval within three (3) months of being accepted into a graduate program. A copy of the finalized document is maintained in the student's permanent file. Any changes to the Plan of Study must be submitted to the student's advisor and the Dean for approval prior to registering for courses that are not part of the already approved plan. Forms are available in the Graduate Division or electronically at www.easternct.edu/depts/graduate/ad-forms.htm.

Provisional Status

Teacher candidates admitted to the Graduate Division on provisional status will be allowed to enroll for a maximum of twelve (12) credit hours. Acquiring provisional status does not guarantee the individual full admission into a graduate program. In order to move from provisional status into full status, students must apply for and be accepted to CARE without restriction. Other conditions for admission to full status are stated in the letter of acceptance sent to the student.

Thesis

Graduate students majoring in an education program or Organizational Management may pursue the option of writing a thesis. Students who opt for thesis writing do not produce the comprehensive exam. Thesis writing must be done under the close supervision of a faculty thesis advisor. Students must register for EDU, RLA or ORG 698 (Thesis I) and EDU, RLA or ORG 699 (Thesis II). Application forms for the thesis must be completed and signed by the student, the thesis advisor, department chairperson, and submitted to the Dean of the School of Education and Professional Studies, for approval prior to registration for these courses. Forms are available in the Graduate Division. Students must submit draft and final copies of the thesis to the Dean of the School of Education and Professional Studies, for approval according to established deadlines as published in the Academic Calendar.

Time Limit

Graduate programs must be completed within a period of six (6) years. This time limit begins upon registration for the first graduate course. Transfer credit and graduate courses taken under non-degree student status are included in this time period. Students who do not complete the degree within the established time limit risk the forfeiture of the accumulation of credit hours and any other privileges associated with graduate status. Students requesting an extension to the time limit should complete the Time Limit Extension Request form and submit it to the Office of the Dean, School of Education and Professional Studies. The Dean must approve all requests for extensions. Approval is not guaranteed.

Degree candidates who fail to take courses for two successive semesters will be considered inactive and will be required to petition for readmission should they decide to continue with their graduate studies. If extenuating circumstances exist, students should request a leave of absence in an effort to avoid loss of time and/or course credit.

Transfer Credit

The student's advisor and the Dean of the School of Education and Professional Studies, must approve transfer credit. Failure to secure approval may result in loss of credit hours. Transfer credit may be approved when:

- Graduate courses were taken by the petitioner after the award of an undergraduate degree;
- Graduate courses have been completed at an accredited institution;
- Graduate courses carry a grade of "B" or higher;
- Graduate courses are related to the student's graduate program of study at Eastern; and
- Graduate courses are within the time limit prescribed.

No more than nine (9) semester hours may be transferred from other institutions. An additional six (6) semester hours may be accepted from graduate programs in the Connecticut State University System. Request for Transfer Credit Forms are available in the Graduate Division or electronically at www.easternct.edu/depts/graduate/ad-forms.htm. Official transcripts must accompany all requests for transfer credits.

Undergraduate Students Requesting Graduate Courses

A limited number of undergraduate students may take graduate-level courses. Only seniors with a GPA of 3.0 or greater will be allowed to petition to take graduate courses. The Dean of

the School of Education and Professional Studies, must approve all requests by undergraduate students to take graduate-level courses. Approval is not guaranteed. Undergraduate students wanting to apply under this provision must submit the following to the Graduate Division in writing:

- Personal statement of intent and accomplishments; and
- Senior Permission to Register for Graduate Course form.

Please note that credits earned in graduate-level courses will be applied toward the undergraduate degree and cannot be counted toward a master's degree at Eastern Connecticut State University.

Withdrawal from a Course

Graduate students who find it impossible to continue study in a course in which they are officially registered may withdraw in consultation with the faculty of record, their advisor and the Dean of the School of Education and Professional Studies. In such instances the student is given the grade of "W." All withdrawal requests must be made by the deadline published in the Academic Calendar.

Graduate Programs

Eastern Connecticut State University offers seven Master of Science degree programs.

The Master of Science in Organizational Management is a degree for professionals in management, in both the private and public sectors, who seek to expand their knowledge and enhance their careers.

The Master of Science Degree in Education offers certified teachers advanced study in Early Childhood Education, Elementary Education, Secondary Education (with concentrations in Biology, Environmental Earth Science, English, History, Social Studies, and Math), and Reading/Language Arts. The School of Education and Professional Studies offers combined Master of Science degree programs and graduate-level teacher certification in Early Childhood Education, Elementary Education, and Secondary Education (with concentrations in Biology, Environmental Earth Science, English, History, Social Studies, and Math). In addition, the Master of Science degree in Education offers the opportunity for advanced study in Educational Technology and Science Education.

MASTER OF SCIENCE DEGREE PROGRAMS IN EDUCATION

Master of Science Degrees are offered in:

- Early Childhood Education
- Educational Technology
- Elementary Education
- Reading/Language Arts
- Science Education
- Secondary Education

Each degree program has a required Plan of Study that must be developed by the candidate and his/her faculty advisor within three months after admission. Graduate candidates may change their Plan of Study only with approval of their advisor and the Dean of the School of Education and Professional Studies.

Eastern Connecticut State University is accredited by the National Council for Accreditation of Teacher Education (NCATE).

Comprehensive Portfolio

This culminating experience focuses on the process of actively constructing knowledge, skills, and dispositions, applying these to real-life classroom circumstances and dilemmas, and continually modifying these in the face of new discoveries and experiences. It is the presentation of a personally constructed knowledge base, displaying one's unique competencies as a teacher and an articulation of one's attitudes and beliefs about learning and teaching. It is also a demonstration of how one's beliefs, attitudes and skills have changed and developed as a result of graduate study.

Master of Science in Early Childhood Education

This Master's Degree program provides advanced study for practitioners for teaching and careers in Early Childhood Education, including preschool, kindergarten, primary grades, and comprehensive child care programs.

Master of Science in Early Childhood Education – Program Requirements

Graduate Core: (6 credits)

- EDU 508 Research in Education
- EDU 555 Education and Society

Professional Preparation Courses: (21 credits)

- ECE 500 Advanced Study of Early Childhood Development
- ECE 501 Families, Communities and Culture
- ECE 504 Early Childhood Curriculum

Literacy Option (Select one):

- ECE 503 Language and Literacy
- or
- ECE 507 Reading and Writing in the Primary Years

Special Education Option (Select one):

- ECE 505 Young Children with Special Needs
- or
- ECE 506 Adaptations for Diverse Needs

Curriculum Option (Select two):

- ECE 509 Seminar for Preservice Teachers
- or
- ECE 510 Math and Science in Early Childhood Education
- or
- ECE 512 Technology in the Early Childhood Classroom

Culminating Examinations: (3-6 credits)

- EDU 698 Thesis I
- and
- EDU 699 Thesis II
- or
- EDU 570 Capstone Seminar
- and

Comprehensive Portfolio

Total 30 Credits

Master of Science in Educational Technology

The Master of Science Degree in Educational Technology program is designed to integrate educational technology applications within the expertise of professional educators as they prepare their students for success in a highly technological and rapidly changing world.

Master of Science in Educational Technology - Program Requirements

Graduate CORE Seminars: (12 credits)

- EDU 508 Research in Education

- EDU 511 Learning and Teaching: Concepts and Models
- EDU 545 Curriculum Development and Evaluation
- EDU 555 Education and Society

Educational Technology CORE Seminars: (6 credits)

- EDU 553 Computers in the Classroom and the Curriculum
- EDU 577 Educational Computing – Theory and Practice

Select one of the following curriculum emphases: (6 credits)

I. Educational Technology Supervision in Schools Emphasis

Select two of the following:

- EDU 620 Technology Planning and Evaluation
- EDU 621 Supervision of Teaching and Learning in Educational Technology
- EDU 622 Administrative Applications of Educational Technology
- EDU 624 Social, Legal, and Ethical Issues in Educational Technology

Other elective by advisement - _____

and

- EDU 570 Capstone Seminar

and

- EDU 696 Research and Readings

II. Educational Technology and Special Education Emphasis

- EDU 582 Teaching Exceptional Learners

and select one of the following:

- EDU 610 Assessment in Special Education
- EDU 611 Methods of Teaching Special Education Learners
- EDU 612 Assistive Technology

Other elective by advisement - _____

and

- EDU 570 Capstone Seminar

and

- EDU 696 Research and Readings

III. Educational Technology Applications in Curriculum Emphasis

Select two of the following:

- EDU 532 Current Issues and Trends: Mathematics
- EDU 542 Current Issues and Trends: Science
- EDU 544 Patterns of Development: Typical & Exceptional
- EDU 546 Issues and Applications in Secondary Mathematics
- EDU 547 Issues and Applications in Secondary History/Social Studies

| | |
|---------|--|
| EDU 548 | Issues and Applications in Secondary English |
| EDU 549 | Issues and Applications in Secondary Biology and Environmental Earth Science |
| EDU 554 | LOGO: A Programming Language |
| EDU 557 | International and Cross-Cultural Education |
| EDU 563 | Current Issues and Trends: Social Studies |
| EDU 580 | Productivity Tools and Curriculum Application |
| EDU 582 | Teaching Exceptional Learners |
| EDU 620 | Technology Planning and Evaluation |
| EDU 624 | Social, Legal, and Ethical Issues in Educational Technology |
| RLA 513 | Process, Development, and Teaching of Reading |

Other courses - selected through advisement

| | |
|---------|-----------------------|
| EDU 570 | Capstone Seminar |
| and | |
| EDU 696 | Research and Readings |

Master of Science in Elementary Education

This Master's degree program provides advanced study for practitioners for teaching and careers in elementary education.

Master of Science in Elementary Education – Program Requirements

Graduate Core Courses: (12 credits)

| | |
|---------|--|
| EDU 508 | Research in Education |
| EDU 511 | Learning and Teaching: Concepts and Models |
| EDU 545 | Curriculum Development and Evaluation |
| EDU 555 | Education and Society |

Elementary Education Seminars: (15 credits)

| | |
|---------|---|
| EDU 532 | Current Issues and Trends: Mathematics |
| EDU 542 | Current Issues and Trends: Science |
| or | |
| EDU 531 | Science in the Elementary School |
| EDU 563 | Current Issues and Trends: Social Studies |
| RLA 513 | Process, Development, and Teaching of Reading |
| EDU 582 | Teaching Exceptional Learners |

Culminating Examinations: (3-6 credits)

| | |
|---------|-------------------------|
| EDU 698 | Thesis I |
| and | |
| EDU 699 | Thesis II |
| or | |
| EDU 570 | Capstone Seminar |
| and | |
| | Comprehensive Portfolio |

Total 30 Credits

Master of Science in Reading/Language Arts

This Master's Degree program has two strands that are designed to meet the needs of teachers who wish to become more knowledgeable in the teaching of reading, literature, and writing. Those who wish to acquire an advanced certification in Reading so that they can be employed as a Reading Specialist/Literacy Coach would enroll in the Master's degree with Reading Specialist/Literacy Coach certification strand. Those who wish to become more informed about literature and its use in the classroom would enroll in the Master's Degree with a literature focus. Those who wish to become more informed about literacy needs of second language and bilingual learners would enroll in the Master's degree with a general literacy/ESL focus.

MASTER OF SCIENCE IN READING/LANGUAGE ARTS – ESL/GENERAL LITERACY EMPHASIS

First Block

| | |
|---------|---|
| RLA 527 | Multi-cultural Literature for Children and Young Adults |
| RLA 555 | Trends & Issues in Reading/Language Arts |
| RLA 515 | Supporting Literacy in the Primary Grades |
| RLA 514 | Process, Development and Teaching of Writing |
| EDU 508 | Research in Education |
| RLA 535 | Literacy for Second Language Learners I |

Second Block

| | |
|---------|--|
| RLA 516 | Middle and Secondary Content Applications |
| RLA 517 | Revaluing Reading/Language Arts I: Assessing and Correcting Problems |
| RLA 528 | Literature for Middle and Secondary Students |
| RLA 536 | Literacy for Second Language Learners II |

Third Block - Culminating Experiences - (3-6 credits)

Please select/check one option

EDU 570 Capstone Seminar (F, SP, SU)

and

Comprehensive Portfolio Assessment (*To be completed in the fall or spring semester immediately following the Capstone Seminar experience*)

or

RLA 698 Thesis I

and

RLA 699 Thesis II

MASTER OF SCIENCE IN READING/LANGUAGE ARTS with LITERATURE EMPHASIS

First Block

| | |
|---------|---|
| RLA 527 | Multi-cultural Literature for Children and Young Adults |
|---------|---|

- RLA 555 Trends & Issues in Reading/Language Arts
- RLA 515 Supporting Literacy in the Primary Grades
- RLA 514 Process, Development and Teaching of Writing
- EDU 508 Research in Education
- RLA 524 Children's Literature: An Issues Approach

Second Block

- RLA 517 Revaluing Reading/Language Arts I: Assessing and Correcting Problems
- RLA 526 Children's Literature: A Reader Response Perspective
- RLA 525 Children's Literature: The Art of the Picture Book
- RLA 528 Literature for Middle and Secondary Students

Third Block - Culminating Experiences - (3-6 credits)

Please select one option

- EDU 570 Capstone Seminar (F, SP, SU)

and

Comprehensive Portfolio Assessment (*To be completed in the fall or spring semester immediately following the Capstone Seminar experience*)

or

- RLA 698 Thesis I

and

- RLA 699 Thesis II

Master of Science in Science Education

This Master's Degree program provides advanced study for practitioners for teaching and careers in science education. It is appropriate for any teachers interested in advancing their knowledge of science education, including elementary, middle school and high school teachers.

Master of Science in Science Education – Program Requirements

Graduate Core Courses: (12 credits)

- EDU 508 Research in Education
- EDU 511 Learning and Teaching: Concepts and Models
- EDU 545 Curriculum Development and Evaluation
- EDU 555 Education and Society

Required Science Education Courses: (15 credits)

- EDU 541 Curriculum Innovations in Science
- EDU 542 Curriculum-Issues and Trends in Science Education

EDU 537 Science in the Elementary Schools
(Recommended for Elementary Teachers)

**Other graduate courses in education or science (as determined by student and advisor
Culminating Examinations: (3-6 credits)**

EDU 698 Thesis I

and

EDU 699 Thesis II

or

EDU 570 Capstone Seminar

and

Comprehensive Portfolio

Total 30 Credits

Master of Science in Secondary Education

This Master's Degree program is designed to meet the needs of teachers who are already certified and are interested in advanced studies for teaching these subject areas – mathematics, history/social studies, English, biology, and earth science.

Master of Science in Secondary Education – Program Requirements

Graduate Core Courses: (15 credits)

EDU 508 Research in Education

EDU 511 Learning and Teaching: Concepts and Models

EDU 553 Computers in the Classroom and the Curriculum

EDU 555 Education and Society

Secondary Education Core Courses: (12 credits)

EDU 546 Issues and Applications in Secondary Mathematics

or

EDU 547 Issues and Applications in Secondary History/Social Studies

or

EDU 548 Issues and Applications in Secondary English

or

EDU 549 Issues and Applications in Secondary Biology and
Environmental Earth Science

EDU 560 Curriculum Development and Evaluation:
Mathematics/Science

or

EDU 562 Curriculum Development and Evaluation: English/Social
Studies

EDU 582 Teaching Exceptional Learners

RLA 516 Middle and Secondary Content Applications

Electives: (0-3 credits, to be determined by student in consultation with advisor)

Culminating Examinations: (3-6 credits)

EDU 698 Thesis I

and

EDU 699 Thesis II

or

EDU 570 Capstone Seminar

and

Comprehensive Portfolio

Total 30 credits

Graduate Certification Programs

Master of Science in Early Childhood Education and Certification

GENERAL EDUCATION REQUIREMENTS (39 credits minimum) MANDATED BY THE CONNECTICUT STATE DEPARTMENT OF EDUCATION

(If not taken as part of the student's undergraduate program, these requirements/credits can be integrated into the student's graduate Plan of Study.)

U.S. History Course (3 credits - HIS 310 or other approved U.S. History course)
HPE 201(1 credit) or HPE 210 (3 credits)
The Arts
English (6 credits)
Mathematics
Natural Sciences
Social Sciences
World Language

PREREQUISITES: B.A./B.S. FROM AN ACCREDITED UNIVERSITY, WITH REQUIRED GENERAL EDUCATION COURSEWORK, AND ACCEPTANCE BY THE COMMITTEE ON ADMISSION AND RETENTION IN EDUCATION (CARE).

All courses are three (3) credits unless otherwise noted.

Graduate Core: (6 credits)

| | |
|---------|--|
| EDU 508 | Research in Education |
| EDU 555 | Education and Society |
| EDU 570 | Capstone Seminar (completed at end of program) |
| ECE | Certification Courses (39 credits) |
| ECE 500 | Advanced Study of Early Childhood Development* |
| ECE 501 | Families, Communities and Culture |
| ECE 503 | Language and Literacy |
| ECE 504 | Early Childhood Curriculum* |
| ECE 505 | Young Children with Special Needs |
| ECE 506 | Adaptations for Diverse Needs* |
| ECE 507 | Reading and Writing in the Primary Years* |
| ECE 509 | Seminar for Preservice Teachers* |

Curriculum Option (Select one)

| | |
|---------|--|
| ECE 510 | Math and Science in Early Childhood Education* |
| or | |
| ECE 512 | Technology in the Early Childhood Classroom* |

- ECE 565 Student Teaching (6 credits)
 ECE 566 Practicum in Early Childhood Special Education
 ECE 575 Assessment in Early Childhood Education
(to be taken in conjunction with student teaching)†

Culminating Examinations: (3-6 credits)

- EDU 698 Thesis I
 and
 EDU 699 Thesis II
 or
 EDU 570 Capstone Seminar
 and
 Comprehensive Portfolio
Total 48-51 credits

**Courses with an asterisk require clinical experience. Teacher candidates in Early Childhood Education will complete five 15 hour clinical experiences in courses marked with an asterisk. Two of these courses must be completed in culturally diverse settings.*

† Early childhood education electronic portfolio presentation sessions (for teacher candidates completing the certification program) are scheduled twice during the spring semester. If students are unable to present during a scheduled presentation sessions, they must wait until the next scheduled presentation.

Master of Science in Elementary Education and Certification

GENERAL EDUCATION REQUIREMENTS (39 credits minimum) MANDATED BY THE CONNECTICUT STATE DEPARTMENT OF EDUCATION

(If not taken as part of the student's undergraduate program, these requirements/credits can be integrated into the student's graduate Plan of Study.)

- U.S. History Course (3 credits - HIS 310 or other approved U.S. History course)
 HPE 201(1 credit) **or** HPE 210 (3 credits)

Study in at least five (5) of the following areas:

- The Arts
- English (6 credits)
- Mathematics (6 credits)
- Natural Sciences (6 credits)
- Social Sciences
- World Language

ADDITIONAL REQUIREMENTS THAT MUST BE MET IN THE STUDENT'S PLAN OF STUDY.

Two of the following curriculum courses:

- ART 370 Art in the Classroom (1 credit)

| | | |
|---------|--|-------------|
| MUS 370 | Music in the Elementary Classroom | (1 credit) |
| HPE 360 | Curriculum Materials: Physical Education | (1 credit) |
| THE 360 | Theatre in the Elementary Classroom | (3 credits) |

Human Growth and Development Courses:

In addition to EDU 544: Patterns of Development (3 credits), students must also take PSY 206: Psychology of Childhood (3 credits) or PSY 208: Psychology of Adolescence (3 credits).

PREREQUISITES: B.A./B.S. FROM AN ACCREDITED UNIVERSITY, WITH REQUIRED GENERAL EDUCATION COURSEWORK, AND ACCEPTANCE BY THE COMMITTEE ON ADMISSION AND RETENTION IN EDUCATION (CARE).

All courses are three (3) credits unless otherwise noted.

Graduate Core: (12 credits)

| | |
|---------|---------------------------------------|
| EDU 508 | Research in Education |
| EDU 555 | Education and Society |
| EDU 511 | Learning and Teaching |
| EDU 545 | Curriculum Development and Evaluation |

Elementary Certification Courses: (39 credits)

| | |
|---------|---|
| EDU 501 | Clinical Experience I |
| EDU 502 | Clinical Experience II |
| EDU 503 | Clinical Experience III |
| EDU 544 | Patterns of Development |
| RLA 513 | Process, Development, and Teaching of Reading |
| RLA 524 | Children's Literature: An Issues Approach |
| or | |
| RLA 526 | Children's Literature: A Reader's Response Perspective |
| or | |
| RLA 527 | Multicultural Literature for Children and Young Adults |
| EDU 532 | Issues/Trends: Math |
| EDU 537 | Science in Elementary School |
| EDU 553 | Computers in Classroom & Curriculum |
| EDU 563 | Issues/Trends: Social Studies |
| EDU 565 | Classroom Management and Assessment in Elementary School |
| EDU 573 | Graduate Student Teaching: Elementary School (9 credits) |
| EDU 582 | Teaching Exceptional Learners |

Culminating Examinations: (3-6 credits)

| | |
|---------|-------------------------|
| EDU 698 | Thesis I |
| and | |
| EDU 699 | Thesis II |
| or | |
| EDU 570 | Capstone Seminar |
| and | |
| | Comprehensive Portfolio |

Total 44-47 credits

Master of Science in Secondary Education and Certification

Applicants who have completed a bachelor's degree from an accredited institution with a major in one of the following areas – biology, English, environmental earth science, history/social studies, or mathematics – may be eligible for this master's certification program.

GENERAL EDUCATION REQUIREMENTS (39 credits minimum) MANDATED BY THE CONNECTICUT STATE DEPARTMENT OF EDUCATION

(If not taken as part of the student's undergraduate program, these requirements/credits can be integrated into the student's graduate Plan of Study.)

United States History Course (3 credits - HIS 310 or other approved U.S. History course)

HPE 201(1 credit) or HPE 210 (3 credits)

Study in at least five (5) of the following areas:

The Arts
Mathematics
English
Natural Sciences
Social Sciences
World Language

PREREQUISITES: B.A./B.S. FROM AN ACCREDITED UNIVERSITY, WITH REQUIRED GENERAL EDUCATION COURSEWORK. PASSING PRAXIS II IN APPROPRIATE ACADEMIC DISCIPLINE, ACCEPTANCE BY THE COMMITTEE ON ADMISSION AND RETENTION IN EDUCATION (CARE).

In order to ensure that teacher candidates have acquired important content, pedagogical, and professional knowledge, skills, and dispositions as expected in their discipline(s), each teacher candidate enrolled in the secondary certification program will be required to pass a competency-based assessment task during their methods course prior to their student teaching semester. If a teacher candidate fails to meet these expectations, he/she will receive appropriate remediation. The candidate will then have a second opportunity to pass the assessment before student teaching. Candidates unable to pass the assessment task on the second attempt will be required to register for an independent study. The student teaching will be deferred until successful completion of the assessment task and the independent study.

All courses are three (3) credits unless otherwise noted.

Graduate Core: (12 credits)

| | |
|---------|--|
| EDU 508 | Research in Education |
| EDU 511 | Learning and Teaching: Concepts and Models |
| EDU 553 | Computers in the Classroom |
| EDU 555 | Education and Society |

Secondary Education Core Courses: (18 credits)

| | |
|---------|-----------------------|
| EDU 501 | Clinical Experience I |
|---------|-----------------------|

| | |
|---------|--|
| EDU 502 | Clinical Experience II |
| EDU 503 | Clinical Experience III |
| EDU 544 | Patterns of Development |
| EDU 546 | Issues and Applications in Secondary Mathematics |
| or | |
| EDU 547 | Issues and Applications in Secondary History/Social Studies |
| or | |
| EDU 548 | Issues and Applications in Secondary English |
| or | |
| EDU 549 | Issues and Applications in Secondary Biology and Environmental Earth Science |
| EDU 560 | Curriculum Development and Evaluation: Mathematics/Science |
| or | |
| EDU 562 | Curriculum Development and Evaluation: English/Social Studies |
| EDU 582 | Teaching Exceptional Learners |
| RLA 516 | Middle and Secondary Content Applications |

Student Teaching Semester: (12 credits)

| | |
|---------|--|
| EDU 525 | Classroom Management and Assessment in Secondary School |
| EDU 571 | Graduate Student Teaching: Secondary Schools (9 credits) |

Culminating Examinations: (3-6 credits)

| | |
|-------------------------|------------------|
| EDU 698 | Thesis I |
| and | |
| EDU 699 | Thesis II |
| or | |
| EDU 570 | Capstone Seminar |
| and | |
| Comprehensive Portfolio | |

Total 45 credits

Master of Science Degree in Organizational Management

This program focuses on individual behavior, group dynamics, organizational processes and structure, and their interactions. It is appropriate for individuals with professional work experience seeking to develop interpersonal and organizational skills applicable for a wide variety of work settings. It should be of particular interest to individuals in supervisory and project management positions in social and public agencies. It is a professional development program designed to enhance the individual's ability to deal with the dynamics of complex organizations.

Program Requirements

Students must complete a total of 36 credits. As part of their program, they must complete the five core courses. The remaining coursework is taken as electives in consultation with a faculty advisor. Students must take the comprehensive examination unless they are writing a thesis. The comprehensive examination can be taken following the completion of 30 credits.

Program Curriculum

Core Courses: (12 Credits)

| | |
|-----------|--|
| ORG 508 | Introduction to Organizational Research |
| ORG 536 | Critical Thinking, Problem Solving and Management Processes in Organizations |
| ORG 537 | Small Group Dynamics in Organizations |
| BUS 532 | Management of Organizations |
| Electives | (15-21 credits) |

Interdisciplinary Content Areas

Individual Behavior

| | |
|---------|---|
| PSY 506 | Theories of Interviewing and Counseling |
| PSY 507 | Industrial and Organizational Psychology |
| PSY 508 | Applied Social Psychology |
| ORG 637 | Workshop in Interpersonal Skills for Management Effectiveness |
| ORG 672 | Leadership in Contemporary Organizations |

Group Dynamics

| | |
|---------|--|
| BUS 531 | Organizational Behavior and the Administrative Process |
| COM 530 | Organizational Communication |

Organizational Processes and Structure

| | |
|---------|---|
| BUS 533 | Methods of Human Resource Management |
| BUS 535 | Total Quality Management and Customer Value |
| COM 512 | Organizational Presentations |
| ORG 631 | Introduction to Network Organization |
| ORG 632 | LAN'S, MAN'S and Internet Working |
| ORG 633 | Network Management and Administration |
| ORG 634 | Network Analysis and Design |
| ORG 671 | Training and Development in Organizations |
| ORG 675 | Seminar in Special Topics |

Culminating Experience: (3-6 credits)

| | |
|---------|---|
| ORG 570 | Organizational Capstone Seminar (Taken in final semester) |
| ORG 698 | Thesis I |
| and | |
| ORG 699 | Thesis II |
| or | |
| | Comprehensive Examination |

Students selecting the thesis option take 30 credits of coursework. The remaining six (6) credits are earned as part of their thesis work. The decision to select this option should be made in consultation with a faculty advisor.

On a selective basis, students may take research and readings as an Independent Study, and may augment their theoretical base with internships and practica. This may apply particularly to students who previously majored as undergraduates in one of the areas of focus. These must have prior approval of the program coordinator and the dean. No more than six (6) credits can be accumulated toward the degree in this manner. The program regularly offers special topic seminars which can be selected as electives.

Graduate Courses of Introduction

BUSINESS

BUS 531 ORGANIZATIONAL BEHAVIOR AND THE ADMINISTRATIVE PROCESS 3 CREDITS

Examines the managerial implications of the relationship between human behavior, organizational structure and organizational performance.

BUS 532 MANAGEMENT OF ORGANIZATIONS 3 CREDITS

Building on a foundation of organizational theory, including research from such fields as Sociology, Psychology, Administrative Science, and Political Science. This course focuses on the concepts and skills germane to organized activity. Special emphasis is placed on frameworks for analyzing organizational problems.

BUS 533 SEMINAR IN METHODS OF HUMAN RESOURCE MANAGEMENT 3 CREDITS

Examines contemporary issues in the development of programs and processes for the effective management of an organization's human resources. Special attention is given to the pros and cons of various methods.

BUS 545 FINANCIAL MANAGEMENT 3 CREDITS

Application of financial concepts and techniques to corporate decisions, including capital budgeting, capital structure, leasing, mergers, and asset management.

COMMUNICATION

COM 512 ORGANIZATIONAL PRESENTATIONS 3 CREDITS

An advanced course in the fundamentals of presentation graphics and presentation techniques designed to provide skills needed to create individual and group presentations.

COM 530 ORGANIZATIONAL COMMUNICATION 3 CREDITS

This course emphasizes the acquisition of organizational communication skills through the application of theoretical concepts in authentic organizational contexts. The course utilizes both the applied body of knowledge developed by organizational communicators (what strategies are effective in actual organizations) and the theoretical underpinnings of the field (why those strategies work).

COM 550 EDUCATIONAL TELEVISION AND MEDIA CONVERGENCE 3 CREDITS

An introduction to aesthetic and technical principles of television production. Critical analysis of the various educational television formats and a review of educational television as implemented by different institutions across the nation and the way in which technological convergence has become an added value in the education delivery system.

ECONOMICS

ECO 510 MANAGERIAL ECONOMICS 3 CREDITS

This course provides a body of mainly microeconomic tools for managerial decision-making. Its emphasis is on the methodical application of economic models to business situations for

analysis and problem-solving. It incorporates theory into practice, providing a theoretical framework in formulating policies for short- and long-term planning. A wide range of topics will be discussed, including elasticity and estimation of demand, production and cost functions, pricing and output decisions under different competitive conditions, break-even analysis, risk and uncertainty, etc.

EDUCATION: EARLY CHILDHOOD EDUCATION

ECE 500 ADVANCED STUDY OF EARLY CHILDHOOD DEVELOPMENT

3 CREDITS

PREREQUISITE: AN APPROVED PLAN OF STUDY IN EARLY CHILDHOOD EDUCATION OR APPROVAL FROM THE INSTRUCTOR.

Advanced study of child development from birth to age eight, focusing both on typical and atypical growth. Characteristics of children's physical, social, emotional, and cognitive development will be examined in the light of various theoretical perspectives, including a multicultural outlook. Closely juxtaposed to this study of children's growth will be analysis of developmentally appropriate teaching practices. Field experience is required.

ECE 501 FAMILIES, COMMUNITIES AND CULTURE

3 CREDITS

PREREQUISITE: AN APPROVED PLAN OF STUDY IN EARLY CHILDHOOD EDUCATION OR APPROVAL FROM THE INSTRUCTOR.

Provides a critical and multicultural perspective on major theories of child and family development and their implications for early childhood education. Examines cultural influences on family life, parenting, and specific areas of behavior and learning.

ECE 503 LANGUAGE AND LITERACY

3 CREDITS

PREREQUISITE: AN APPROVED PLAN OF STUDY IN EARLY CHILDHOOD EDUCATION OR APPROVAL FROM THE INSTRUCTOR.

Examines the processes of written and oral language development in the early years, taking into consideration cultural variations. Surveys approaches to facilitating language and literacy acquisition in the early childhood classroom with emphasis on children of diverse linguistic and cultural backgrounds.

ECE 504 EARLY CHILDHOOD CURRICULUM

3 CREDITS

PREREQUISITE: AN APPROVED PLAN OF STUDY IN EARLY CHILDHOOD EDUCATION OR APPROVAL FROM THE INSTRUCTOR.

Examines research on curriculum planning and classroom practice in selected content areas of the early childhood classroom – math, science, social studies, play, motor development, and the arts. Presents empirical support for child-directed, process-oriented approaches to teaching young children. Focuses on the integrated curriculum, spatial arrangement, and classroom organization. Adaptations for children with special needs are explored.

ECE 505 YOUNG CHILDREN WITH SPECIAL NEEDS

3 CREDITS

PREREQUISITE: AN APPROVED PLAN OF STUDY IN EARLY CHILDHOOD EDUCATION OR APPROVAL FROM THE INSTRUCTOR.

This introductory course is designed to provide information needed to work with young children who have special needs in general classrooms in accordance with the Individuals with Disabilities Education Act (P.L. 101-470) and the Americans with Disabilities Act (ADA).

ECE 506 ADAPTATIONS FOR DIVERSE NEEDS**3 CREDITS**

PREREQUISITE: ECE 505

This course is an in-depth exploration of such topics as evaluation, program-planning, and curricular adaptations for young children with special needs. Application of current theories to practice will be individualized for students in ways which address their diverse backgrounds. This course is designed to provide (when combined with ECE 505) Master's-level early childhood teacher candidates with the background in special education which will meet requirements for dual certification in the nursery school-kindergarten (N-K) range. Clinical experiences required.

ECE 507 READING AND WRITING IN THE PRIMARY YEARS **3 CREDITS**

PREREQUISITE: ECE 500 OR ECE 503

An examination of reading, writing, and oral language development from ages 5 to 8, including ways that teachers can support this growth through shared reading, language intervention, the environment, and a planned, balanced reading and writing curriculum. Promotes the integration of reading, writing, and verbal and nonverbal communication in all areas of the classroom and across the curriculum. Clinical experience required.

ECE 509 SEMINAR FOR PRESERVICE TEACHERS **3 CREDITS**

Provides a survey of teaching, planning, and assessment strategies and classroom management techniques for early childhood classrooms. A special focus is placed on the modern public school classroom and how to adapt traditional approaches and published curricula to be more developmentally appropriate. An emphasis is placed on teacher reflection and self-evaluation.

ECE 510 MATH AND SCIENCE IN EARLY CHILDHOOD EDUCATION**3 CREDITS**

Examines the developmental progression of children's mathematical and scientific thinking. Prepares teachers to develop appropriate curriculum to facilitate children's growth within a multicultural and multi-lingual setting. The role of technology will be studied. Guided experience in the classroom including interaction with children required.

ECE 512 TECHNOLOGY IN THE EARLY CHILDHOOD CLASSROOM**3 CREDITS**

Examines the various kinds of technology available for early childhood education. Explores the appropriate use of technology within an integrated curriculum. Includes the study of variations within young children's thinking and learning in the technology environment.

ECE 565 GRADUATE STUDENT TEACHING (EARLY CHILDHOOD EDUCATION) **6-9 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF DIRECTOR OF EDUCATIONAL EXPERIENCE; COREQUISITE: EDU 565

A full semester of teaching experience in the classroom designed to translate theory into practice. Seminars required. Graded by credit/no credit. Completion of professional courses, admission to the Teacher Education Program, and submission of student teaching preference form. This course clearly identifies the student teaching experience required for initial Teaching Certification issued by the Connecticut State Department of Education and is consistent with Connecticut Department of Education Requirements.

ECE 566 PRACTICUM IN EARLY CHILDHOOD SPECIAL EDUCATION

3 CREDITS

This provides professional experiences for graduate students in Early Childhood special education. The focus is on observing and scaffolding social development and making classroom adaptations for children with special needs.

ECE 575 ASSESSMENT IN EARLY CHILDHOOD EDUCATION 3 CREDITS

Examines assessment tools and methods available for the Early Childhood teacher. Engages students in critical evaluation of existing curricular practices as well as their own teaching. Facilitates the development of a portfolio as a documentation of one's professional growth. Includes the in-depth study of the process of developing a child assessment portfolio.

ECE 670 WORKSHOP

3 CREDITS

Group study of special topics. May not be used to meet graduate major requirements. May be used for elective credits.

ECE 675 SEMINAR: ISSUES IN EARLY CHILDHOOD EDUCATION

3 CREDITS

Offered on a one-time basis to study, examine, and reflect upon current trends, issues, and practices.

ECE 695 GRADUATE INTERNSHIP

1-12 CREDITS

Faculty-supervised, community-based work experiences individually designed to supplement classroom work. In conjunction with faculty advisor, student selects appropriate experience. Maximum of 6 credits counted toward degree.

ECE 696 RESEARCH AND READINGS

1-6 CREDITS

Individual research and analysis of a specific topic under the direction of a faculty member.

ECE 698 THESIS I

3 CREDITS

Initial research and preparation of thesis proposal.

ECE 699 THESIS II

3 CREDITS

Preparation of thesis pertaining to a selected research project.

EDUCATION

EDU 501 CLINICAL EXPERIENCE I

1 CREDIT

This course provides additional opportunity for students to relate theory with practice through a 45-hour per semester field experience with learners in educational settings and a monthly seminar to discuss participants' observations and participation. Students will concentrate on observation, documentation and reflection on the issues of diversity, teaching and planning and classroom management.

EDU 502 CLINICAL EXPERIENCE II

1 CREDIT

This course provides additional opportunity to relate theory with practice through a 45-hour per semester field experience with learners in educational settings and a monthly seminar to discuss participants' observations and participation. In this second experience, students will continue to observe, document and reflect on the issues of diversity, teaching and planning and classroom management, and will make specific connections between what they observe in the classroom and their educational coursework.

EDU 503 CLINICAL EXPERIENCE III**1 CREDIT**

This course provides additional opportunity to relate theory with practice through a 45-hour per semester field experience with learners in educational settings and a monthly seminar to discuss participants' observations and participation. In this third experience, students will continue to observe, document, and reflect on the issues of diversity, teaching and planning and classroom management, and will make specific connections between what they observe in the classroom and their educational coursework.

EDU 507 PARENTING**3 CREDITS**

Investigates in depth the issues, expectations and realities of parenting. Theories of parenting will be part of the course and the major area of focus will be on issues relating to effective parenting.

EDU 508 RESEARCH IN EDUCATION**3 CREDITS**

Note: This course is a prerequisite for all other courses in all Education Master's programs.

Provides a background in research design and methodology in Education, which allows graduate students to read and interpret the findings and conclusions of original empirical research articles. Introduces basic concepts in qualitative and quantitative research methods and writing and promotes skill in the critical evaluation of these procedures in education.

EDU 511 LEARNING & TEACHING: CONCEPTS AND MODELS 3 CREDITS

This course presents an in-depth analysis of theories of learning most applicable to promoting optimal student learning in the classroom.

EDU 525 - CLASSROOM MANAGEMENT AND ASSESSMENT IN SECONDARY SCHOOLS**3 CREDITS**

Note: Taken concurrently with EDU 571: Student Teaching: Secondary School

Examination of the secondary school, its organization and curriculum. Trends and issues that influence how instruction is implemented, managed and assessed.

EDU 527 CREATIVE DRAMATICS FOR THE CLASSROOM**3 CREDITS**

A practical course developing the use of dramatics in the classroom from pupil-created to teacher-directed presentation, including basics of make-up, scenery, and management.

EDU 532 CURRENT ISSUES AND TRENDS: MATHEMATICS**3 CREDITS**

Emphasis in this course is on methods for teaching mathematics at the elementary grade levels. Participants will concentrate on individual areas of interest through investigation of visual and manipulative aids, games, techniques of instruction, and structure of various mathematical concepts.

EDU 537 SCIENCE IN THE ELEMENTARY SCHOOL**3 CREDITS**

Uses an activity-oriented approach to deal with theoretical and practical aspects of developing science experiences for children.

EDU 541 CURRICULUM INNOVATION IN SCIENCE**3 CREDITS**

Introduces teachers to new curriculum materials, and recent developments related to the teaching of science. A workshop approach is used to provide participants with many opportunities to examine and evaluate new science materials and activities.

EDU 542 CURRENT ISSUES AND TRENDS: SCIENCE**3 CREDITS**

Seminar and workshop sessions deal with contemporary approaches to science teaching and modern science curriculum projects.

EDU 544 PATTERNS OF DEVELOPMENT: TYPICAL & EXCEPTIONAL**3 CREDITS**

This course profiles children in varying stages of development as explained by the major theories of human development, examines the special characteristics of children whose development varies from normative profiles, and discusses multicultural issues and perspectives.

EDU 545 CURRICULUM DEVELOPMENT AND EVALUATION**3 CREDITS**

A study of the development and evaluation of school curriculum. Graduate students will gain experience by applying curriculum theories and processes in an educational setting. Particular attention will be paid to management systems and current models of curriculum design and evaluation.

EDU 546 ISSUES AND APPLICATIONS IN SECONDARY MATHEMATICS**3 CREDITS**

PREREQUISITE COURSES: EDU 508, EDU 511, EDU 553, EDU 555, OR THE APPROVAL OF THE INSTRUCTOR

A course designed for teaching mathematics in the secondary school. Planning, methods of instruction, methods of curriculum development, and techniques of evaluation will be covered. Clinical experience required.

EDU 547 ISSUES AND APPLICATIONS IN SECONDARY HISTORY/SOCIAL STUDIES**3 CREDITS**

PREREQUISITE COURSES: EDU 508, EDU 511, EDU 553, EDU 555, OR THE APPROVAL OF THE INSTRUCTOR

Development of a philosophy for teaching history and social studies in the secondary schools. Current trends and issues, curriculum programs, teaching strategies, classroom procedures, and materials will be examined and developed. Clinical experience required.

EDU 548 ISSUES AND APPLICATIONS IN SECONDARY ENGLISH**3 CREDITS**

PREREQUISITE COURSES: EDU 508, EDU 511, EDU 553, EDU 555, OR THE APPROVAL OF THE INSTRUCTOR

Fundamental objectives and methodology in teaching English. Review of materials and programs in secondary schools. The development of attitudes in using newer approaches. Clinical experience required.

EDU 549 ISSUES AND APPLICATIONS IN SECONDARY BIOLOGY AND ENVIRONMENTAL EARTH SCIENCE**3 CREDITS**

PREREQUISITE COURSES: EDU 508, EDU 511, EDU 553, EDU 555, OR THE APPROVAL OF THE INSTRUCTOR

Development of a philosophy of teaching biology and environmental earth science within the framework of a secondary science program. Selection and organization of materials. Guidance for student growth in developing scientific attitudes. Clinical experience required.

EDU 550 MEASUREMENT AND EVALUATION**3 CREDITS**

Practical solutions to classroom measurement and evaluation problems. Discussion of test construction, testing procedures, and use of standardized and teacher-made tests. Competency testing will be included.

EDU 551 STATISTICS**3 CREDITS**

Application and computation of measures of central tendency and variability, elements of probability, binomial and normal distributions, regression and correlations, and introduction to sampling theory. A basic course in general statistical methods and interpretation which can be applied to education and the social sciences.

EDU 552 GEOMETRY**3 CREDITS**

Euclidean geometry through traditional and transformational approaches. Spherical and coordinate geometries are studied.

EDU 553 COMPUTERS IN THE CLASSROOM AND CURRICULUM**3 CREDITS**

Provides a basis for use of computers in educational settings. Topics discussed include the applications of software and the Internet for learning and teaching, productivity tools, and curriculum design and planning in educational technology.

EDU 554 LOGO: A PROGRAMMING LANGUAGE**3 CREDITS**

Examines rationale, development, and use of LOGO to promote critical thinking, mathematics, and writing.

EDU 555 EDUCATION AND SOCIETY**3 CREDITS**

A critical study of the American education system and contemporary educational practices in relation to historical antecedents, societal issues, philosophical principles and ethical practices, political and economic policies, and current educational initiatives.

EDU 557 INTERNATIONAL AND CROSS-CULTURAL EDUCATION**3 CREDITS**

Global as well as area study of the nature of cultures and educational systems in industrialized, democratic nations, socialist societies, and Third World countries around the world.

EDU 558 CULTURE AND EDUCATION OF AMERICAN MINORITIES**3 CREDITS**

Interdisciplinary study of the history, culture, and educational programs of several American social and ethnic groups such as Puerto Ricans, Afro-Americans, Native Americans, Spanish-Americans, Amish, Southern Mountaineers, and migrant farm workers. An examination of aspects of culture, techniques of culture study, and implications of cultural pluralism of our society. Development of strategies for improving intergroup understanding, human relations skills, and multicultural education.

**EDU 560 CURRICULUM DEVELOPMENT AND EVALUATION:
MATHEMATICS/SCIENCE****3 CREDITS**

PREREQUISITE COURSES: EDU 546, EDU 549, OR THE APPROVAL OF THE INSTRUCTOR

Mathematics and science curriculum development based on theoretical and practical aspects of teaching and learning.

EDU 561 VALUES EDUCATION AND MORAL DEVELOPMENT 3 CREDITS

Interdisciplinary study of various approaches to values education. Survey of the historical background of the relationship between religion and education and church-state relationships. Experiences with values clarification. Examination of theories of moral development. Strategies for development of moral reasoning and actions.

**EDU 562 CURRICULUM DEVELOPMENT AND EVALUATION: ENGLISH/
SOCIAL STUDIES 3 CREDITS**

PREREQUISITE COURSES: EDU 547, EDU 548, OR THE APPROVAL OF THE INSTRUCTOR

Reading and language arts and social studies curriculum development based on theoretical and practical aspects of teaching and learning.

EDU 563 CURRENT ISSUES AND TRENDS: SOCIAL STUDIES 3 CREDITS

An analysis of the ways in which the social studies curriculum reflects the needs of our democratic society and of the modern world. Teachers will develop appropriate classroom materials for the social studies curriculum.

**EDU 565 CLASSROOM MANAGEMENT AND ASSESSMENT IN ELEMEN-
TARY SCHOOL 3 CREDITS**

PREREQUISITES: ADMISSION TO THE GRADUATE TEACHER EDUCATION PROGRAM, COMPLETION OF ALL REQUIRED COURSEWORK, AND APPROVAL OF DIRECTOR OF EDUCATIONAL EXPERIENCE. CO-REQUISITE: STUDENT TEACHING

Examination of the elementary school, its organization and curriculum. Trends and issues that influence how instruction is implemented, managed and assessed.

**EDU 570 CAPSTONE SEMINAR (COMPLETED AT END OF PROGRAM.)
3 CREDITS**

Note: Final course in all programs

A seminar in which graduate students will evaluate, apply, and synthesize research and curriculum concepts from the previous graduate courses.

**EDU 571 GRADUATE STUDENT TEACHING (SECONDARY SCHOOL)
9 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF DIRECTOR OF EDUCATIONAL EXPERIENCES EXPERIENCE COORDINATOR

A full semester of teaching experience in the classroom designed to translate theory into practice. Seminars required. Graded by credit/no credit. Completion of professional courses, admission to the Teacher Education Program, and submission of student teaching preference form. This course clearly identifies the student teaching experience required for initial Teaching Certification issued by the Connecticut State Department of Education and is consistent with Connecticut Department of Education Requirements.

EDU 572 PHILOSOPHY OF EDUCATION 3 CREDITS

A study and analysis of philosophies of education from the classic to the contemporary with emphasis on the implications for curriculum construction and classroom practice.

EDU 573 GRADUATE STUDENT TEACHING (ELEMENTARY SCHOOLS)**6-9 CREDITS**

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF CLINICAL EXPERIENCE COORDINATOR; COREQUISITE: EDU 565

A full semester of teaching experience in the classroom designed to translate theory into practice. Seminars required. Graded by credit/no credit. This course clearly identifies the student teaching experience required for initial Teaching Certification issued by the Connecticut State Department of Education and is consistent with Connecticut Department of Education Requirements.

EDU 574 SEMINAR IN SCHOOL LAW**3 CREDITS**

Constitutional and statutory provisions for a public school system; origin and legal status of the local school unit; nature of the board of education; legal status of the teacher and the administrative officers; legal rights and responsibilities of parents and pupils; evolution of legal provisions for school support; nature of capital expenditures.

EDU 577 EDUCATIONAL COMPUTING -THEORY AND PRACTICE**3 CREDITS**

An examination of the research on computer use in education as it relates to current and future uses of computers in the schools. Development of an in-depth project related to software evaluation, curriculum development, the teaching of programming, or another relevant topic.

EDU 580 PRODUCTIVITY TOOLS AND CURRICULUM APPLICATIONS**3 CREDITS**

Examines issues, theories and past, current, and future applications of computers in the schools.

EDU 581 TEACHING THE GIFTED AND TALENTED CHILD**3 CREDITS**

Identification characteristics and educational programs for the gifted and talented as well as discussion, evaluation, and application of basic theories and techniques of teaching. Emphasis on enrichment activities.

EDU 582 TEACHING EXCEPTIONAL LEARNERS**3 CREDITS**

Exploration of approaches to teaching students with exceptionalities. Strategies for meeting the diverse needs of students in general education will be demonstrated.

EDU 586 THE STUDY OF TEACHING**3 CREDITS**

Designed to help teachers study their verbal and non-verbal classroom behavior. Aspects of the teaching process will be analyzed through self-analysis, research, and classroom application. Topics to be examined include classroom interaction (e.g., the Flanders system), teaching styles, appraisal techniques, and classroom organization and management.

EDU 605 SCHOOL FINANCE**3 CREDITS**

Economics of education at the federal, state, and local levels. Planning, execution, and appraisal of school finances in specific administrative units.

EDU 610 ASSESSMENT IN SPECIAL EDUCATION**3 CREDITS**

The intent of this course is to provide the students with (1) knowledge of various assessment practices, and (2) skills in the assessment of learners with disabilities. The course focuses on the assessment of intelligence, reading, writing, mathematics, and social-emotional behavior. It also covers the development of instructional objectives based on assessment data.

EDU 611 METHODS OF TEACHING SPECIAL LEARNERS**3 CREDITS**

This course focuses on various teaching methods that are utilized for exceptional learners. Students learn to develop individualized education plans. The course also covers techniques for identifying, adapting, and developing instructional materials.

EDU 612 ASSISTIVE TECHNOLOGY**3 CREDITS**

This course provides an overview of assistive technology. Students learn applications of low, elementary, and high technology assistive devices in the area of communication, mobility, education, recreation, vocation, independence, and rehabilitation. It provides information on methods and organizational approaches to integrating assistive technology in the classroom.

EDU 620 TECHNOLOGY PLANNING AND EVALUATION**3 CREDITS**

This course is designed to prepare participants to evaluate and plan for the effective use of instructional technology at the campus and district level.

EDU 621 SUPERVISION OF TEACHING AND LEARNING WITH TECHNOLOGY**3 CREDITS**

This course is designed to prepare participants to evaluate the use of technology in instruction, assess teacher and student skills, and plan for development of technologically skilled teachers and students.

EDU 622 ADMINISTRATIVE APPLICATIONS OF EDUCATIONAL TECHNOLOGY**3 CREDITS**

This course is designed to prepare participants to use educational technology at the campus and district level as well as address funding issues, supervision of technology personnel, and the use of technology in school and district administration.

EDU 624 SOCIAL, LEGAL, AND ETHICAL ISSUES IN INSTRUCTION TECHNOLOGY**3 CREDITS**

This course is designed to prepare participants to deal with the issues of copyright, equity, access, and appropriate use of instructional technology at the campus and district level.

EDU 670 WORKSHOP**3 CREDITS**

Group study of special topics. May not be used to meet graduate major requirements. May be used for elective credit.

EDU 675 SEMINAR: ISSUES IN EDUCATION**3 CREDITS**

Offered on a one-time basis to study, examine, and reflect upon current trends, issues, and practices.

EDU 695 GRADUATE INTERNSHIP**1-12 CREDITS**

Faculty-supervised, community-based work experiences individually designed to supplement classroom work. In conjunction with faculty advisor, student selects appropriate experience. Maximum of 6 credits counted toward degree.

- EDU 696 RESEARCH AND READINGS** **1-6 CREDITS**
Individual research and analysis of a specific topic under the direction of a faculty member.
- EDU 698 THESIS I** **3 CREDITS**
Initial research and preparation of thesis proposal.
- EDU 699 THESIS II** **3 CREDITS**
Preparation of thesis pertaining to a selected research project.
- EDUCATION: READING/LANGUAGE ARTS**
- RLA 513 PROCESS, DEVELOPMENT, AND TEACHING OF READING** **3 CREDITS**
An overview of the reading process, theoretical models of reading and language development, and instructional approaches. Focus is on evidence-based models of reading.
- RLA 514 PROCESS, DEVELOPMENT, AND TEACHING OF WRITING** **3 CREDITS**
An overview of the writing process, theoretical models of writing and language development, and instructional approaches. Major focus is on evidence-based models of writing.
- RLA 515 SUPPORTING LITERACY IN THE PRIMARY GRADES** **3 CREDITS**
PREREQUISITE: ADMISSION TO GRADUATE PROGRAM
This course provides opportunities to explore language development and reading acquisition including variations related to cultural and linguistic diversity, and to develop an understanding of the major components of reading and their relationship to fluency.
- RLA 516 MIDDLE AND SECONDARY SCHOOL CONTENT APPLICATIONS** **3 CREDITS**
Focuses on reading and writing instruction in the content areas. Focus emphasizes strategies that assist middle and secondary students in learning content material.
- RLA 517 ASSESSING AND CORRECTING PROBLEMS** **3 CREDITS**
PREREQUISITES: RLA 513, RLA 515 or 516
General observation and assessment principles are explored and applied to reading and writing. A variety of formal and informal diagnostic instruments will be examined using evidence-based assessments. The use of these techniques in regular classrooms, pull-out programs, and special education settings will be explored.
- RLA 518 ADVANCED ASSESSING AND CORRECTING PROBLEMS** **3 CREDITS**
PREREQUISITES: RLA 517
Assists teachers in designing instructional strategies and selecting materials and methods for use with children who have problems with literacy identified as learning-disabled. Research-based instructional strategies for reading and writing will be examined for use in regular classrooms, pull-out programs, and special education settings.
- RLA 519 CLINICAL EXPERIENCES IN READING AND LANGUAGE ARTS** **6 CREDITS**
PREREQUISITES: RLA 518
Supervised practicum in the evaluation and teaching of reading and writing with learners who are not achieving as expected/desired. Graduate students assume major responsibility for the assessment of reading and writing strategy strengths and weaknesses in individual students, and for carrying out a planned program for improvement. Seminar/practicum focuses on instructional problems and research-based solutions for children from regular, pull-out, or special education settings.

RLA 520 SEMINAR IN LITERACY COACHING**3 CREDITS**

PREREQUISITES: RLA 519

This course offers students an opportunity to develop strategies for providing ongoing sustained support for the implementation of effective literacy practices in K-12 schools.

RLA 521 ORGANIZATION, ADMINISTRATION, AND SUPERVISION OF READING PROGRAMS**3 CREDITS**

PREREQUISITES: RLA 519

A study of the various administrative concerns and supervisory techniques involved in implementing a school-wide reading program. Involves critical evaluation of current basal reader programs; consideration and development of thematic units as a means of integrating reading/writing/content areas; examination of characteristics of change process within school settings.

RLA 522 READING AND LANGUAGE ARTS CONSULTING I **3 CREDITS**

PREREQUISITES: RLA 521

Study of applied reading and language arts research. Investigation and analysis of significant trends, practices and concepts related to specific problems and programs. In the tradition of a seminar, students will be expected to provide major contributions to the substance of the course. The focus will be the primary grades.

RLA 523 READING AND LANGUAGE ARTS CONSULTING II **3 CREDITS**

PREREQUISITES: RLA 522

Study of applied reading and language arts research. Investigation and analysis of significant trends, practices and concepts related to specific problems and programs. In the tradition of a seminar, graduate students will be expected to provide major contributions to the substance of the course. The focus will be the middle and secondary grades.

RLA 524 CHILDREN'S LITERATURE: AN ISSUES APPROACH **3 CREDITS**

PREREQUISITES: GRADUATE STANDING OR PERMISSION OF INSTRUCTOR

Critically examines books read by children and young adults in the light of their treatment of contemporary social concerns and to likewise analyze some issues that affect children's books in today's world.

RLA 525 CHILDREN'S LITERATURE: THE ART OF THE PICTURE BOOK

PREREQUISITES: ADMISSION TO THE GRADUATE PROGRAM

3 CREDITS

This course offers an exploration of the picture book and its role in the lives and education of children. It includes the history of the picture book as well as a study of picture book styles, art elements and artistic media and techniques, authors and illustrators, classroom connections, and children's response to picture books.

RLA 526 CHILDREN'S LITERATURE: A READER RESPONSE PERSPECTIVE **3 CREDITS**

PREREQUISITE: GRADUATE STANDING OR PERMISSION OF INSTRUCTOR

Critically examines children's literature from a reader response perspective (Rosenblatt, Appleby, and others). Provides a look at children's books published during the past five years.

RLA 527 MULTICULTURAL LITERATURE FOR CHILDREN AND YOUNG ADULTS **3 CREDITS**

PREREQUISITE: GRADUATE STANDING OR PERMISSION OF INSTRUCTOR

Critically examines issues and trends found in multicultural literature for children and adolescents. The full range of books depicting the experience of people of color will be read and analyzed for authenticity, literary quality, and appeal to readers.

RLA 528 LITERATURE FOR THE MIDDLE AND SECONDARY STUDENTS **3 CREDITS**

PREREQUISITE: ADMISSION TO GRADUATE PROGRAM

Provides participants with the opportunity to become familiar with and recognize quality in the wide range of literature for middle and secondary school students, as well as to incorporate the literature into the classroom.

RLA 535 LITERACY FOR SECOND LANGUAGE LEARNERS I **3 CREDITS**

PREREQUISITES: RLA 508; RLA 515; RLA 527; RLA 555

This course offers students an opportunity to develop an understanding of the literacy needs of second language learners.

RLA 536 LITERACY FOR SECOND LANGUAGE LEARNERS II **3 CREDITS**

PREREQUISITE: RLA 535

This course offers students an opportunity to develop the ability to plan instruction to support the literacy needs of second language learners. The focus will be on methods that are consistent with current research findings.

RLA 555 TRENDS AND ISSUES IN READING/LANGUAGE ARTS **3 CREDITS**

Investigates current trends and issues of reading and language arts that dominate public discussion and the classroom implications of these trends and issues.

RLA 570 CAPSTONE SEMINAR **3 CREDITS**

PREREQUISITE: COMPLETION OF ALL GRADUATE REQUIREMENTS IN THE RLA CERTIFICATION PROGRAM.

A seminar in which students will evaluate, apply, and synthesize research and curriculum concepts from the previous RLA graduate courses.

RLA 670 WORKSHOP **3 CREDITS**

Group study of special topics. May not be used to meet graduate major requirements. May be used for elective credit.

RLA 675 SEMINAR: ISSUES IN READING/LANGUAGE ARTS **3 CREDITS**

Offered on a one-time basis to study, examine, and reflect upon current trends, issues, and practices.

RLA 695 GRADUATE INTERNSHIP **1-12 CREDITS**

Faculty-supervised, community-based work experiences individually designed to supplement classroom work. In conjunction with faculty advisor, student selects appropriate experience. Maximum of 6 credits counted toward degree.

RLA 696 RESEARCH AND READINGS**1-6 CREDITS**

Individual research and analysis of a specific topic under the direction of a faculty member.

RLA 698 THESIS I**3 CREDITS**

Initial research and preparation of thesis proposal.

RLA 699 THESIS II**3 CREDITS**

Preparation of thesis pertaining to a selected research project.

ORGANIZATIONAL MANAGEMENT**ORG 508 INTRODUCTION TO ORGANIZATIONAL RESEARCH 3 CREDITS**

PREREQUISITE: GRADUATE STANDING

Note: This course is the foundation for all other courses in the Organizational Management program and should be taken at the first opportunity.

It provides a background in research design and methodology, which allows students to read and interpret the findings and conclusions of original empirical research articles. Introduces basic concepts in qualitative and quantitative research methods and writing and promotes skill in the critical evaluation of these procedures.

ORG 536 CRITICAL THINKING, PROBLEM SOLVING, AND MANAGEMENT PROCESSES IN ORGANIZATIONS 3 CREDITS

This course examines the nature of critical thinking and its impact on management processes in organizations. Topics include various models of critical thinking and decision-making in organizations, the role of critical thinking and reflective judgment in management processes, and the development of reflective judgment in the workplace. Particular attention is placed on methods for surfacing and challenging assumptions held by individuals and groups and how fostering critical thinking is central to organizational learning.

ORG 537 SMALL GROUP DYNAMICS IN ORGANIZATIONS 3 CREDITS

This course provides a theoretical and experiential introduction to small group dynamics and processes with a particular emphasis on application to organizational settings. Topics include perception and communication; group membership and leadership; how groups develop; group facilitation; conflict management; teamwork, and team learning. Students are required to apply concepts to a group outside of class. The classroom will also function in part as a laboratory to study group dynamics.

ORG 538 TRAINING AND DEVELOPMENT IN ORGANIZATIONS 3 CREDITS

PREREQUISITES: GRADUATE STANDING

This course covers the essential competencies in the practice of organizational training and development, including analyzing performance problems; developing skill hierarchies and learning objectives; instructional module development; program evaluation; and transfer of training to the job. This course revolves around the instructional strategy known as criterion-referenced instruction (or instructional systems design). Students are encouraged to bring and apply the concepts to any training activities they may be currently involved with in their own work context.

ORG 570 ORGANIZATIONAL CAPSTONE SEMINAR**3 CREDITS**

This seminar is the culminating offering in the program. Students apply concepts from earlier courses within the context of an action learning group. Other topics include learning from experience, action science, and learning organizations.

ORG 631 INTRODUCTION TO NETWORK ORGANIZATION**3 CREDITS**

A first course in communication networks. The seven-layer OSI reference model serves as a framework for much of the course. Major standards and protocols for the physical, data link, network, and transport layers are presented. Integrated services networks; ISDN and B-ISDN, including ATM and SONET, are also emphasized. Some practical designs and implementations are done on existing LANs.

ORG 632 LANs, MANs AND INTERNETWORKING**3 CREDITS**

PREREQUISITE: ORG 631

This course explores current capabilities and trends in local and metropolitan area networks, as well as the techniques, protocols, and standards associated with interconnection of different network systems. Topics include topology and transmission medium options, LAN and MAN architectures, protocols, and standards. Important examples such as IEEE 802.X, FDDI, and FDDI-II are covered in depth. Internetworking alternatives: bridges, routers and gateways, and their associated protocol standards are also presented.

ORG 633 NETWORK MANAGEMENT AND ADMINISTRATION**3 CREDITS**

PREREQUISITE: ORG 631

This course focuses on the problems, solutions, and limitations associated with the configuration, management, administration, and maintenance of communications networks. This course considers a “hands on” approach with several heavy practical applications. Important standards such as SNMP and CMIP are emphasized. Additional topics include: configuration management, security, and accounting management.

ORG 634 NETWORK ANALYSIS AND DESIGN**3 CREDITS**

This course focuses on the modeling of local and wide area networks and the queuing theory necessary for performance analysis of such networks. Topics include: queues and networks of queues, multi-access communications, routing and congestion control.

ORG 637 WORKSHOP IN INTERPERSONAL SKILLS FOR MANAGERIAL EFFECTIVENESS**3 CREDITS**

This course develops specific skills widely recognized as being foundational for interpersonal effectiveness in organizations. This course includes discussion of the theoretical basis for the skill sets presented and practiced. Students are expected to demonstrate basic competence in their use.

ORG 670 WORKSHOP**3 CREDITS**

Group study of special projects. May not be used to meet graduate major requirements. May be used for elective credit.

ORG 672 LEADERSHIP IN CONTEMPORARY ORGANIZATION**3 CREDITS**

This course examines the role of leadership in organizations, with special emphasis on the relationship between leadership and learning, leadership and performance, and leadership in fostering organizational change. Among the issues addressed will be dysfunction between leadership and management, the use of power and influence, and empowerment.

ORG 675 SEMINAR: ISSUES IN BUSINESS**3 CREDITS**

Offered on a one-time basis to study, examine, and reflect upon current trends, issues, and practices.

ORG 695 GRADUATE INTERNSHIP**1-12 CREDITS**

Faculty-supervised, community-based work experiences individually designed to supplement classroom work. In conjunction with faculty advisor, student selects appropriate experience. Maximum of 6 credits count toward degree.

ORG 696 RESEARCH AND READINGS**1-6 CREDITS**

Individual research and analysis of a specific topic under the direction of a faculty member.

ORG 698 THESIS I**3 CREDITS**

Initial research and preparation of thesis proposal.

ORG 699 THESIS II**3 CREDITS**

Preparation of thesis pertaining to a selected research project.

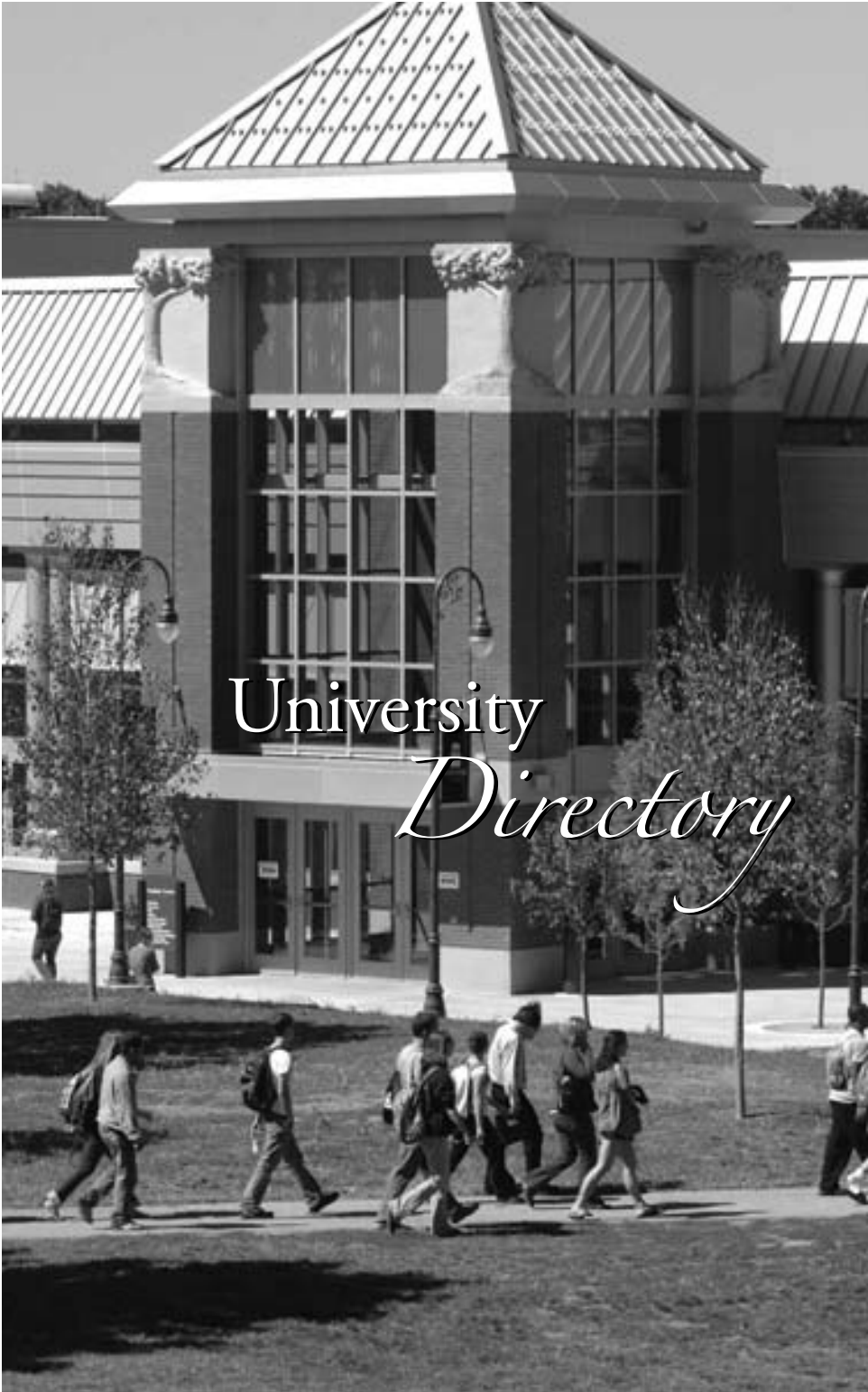
Note: Other courses in the program are listed under Business, Communication, Psychology, and Sociology. See the program curriculum description.

PSYCHOLOGY**PSY 507 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY 3 CREDITS**

Psychological methods, research findings and theory applied to industry, business, and other organizations. Interface between worker and organization, including performance evaluation, personnel decisions, training, motivation, satisfaction, leadership, organizational influences, communication, job design, work environment, group processes, human relations, and psychological adjustment.

PSY 508 APPLIED SOCIAL PSYCHOLOGY**3 CREDITS**

The study of how people think about, influence, and relate to one another. The relationship between attitudes and behavior, explaining the behavior of self and others, cultural and group influences, persuasion, interpersonal attitudes and relationships, aggression, altruism, cooperation, and competition. Special attention to applications of social psychology within organizations, institutions, and the workplace.



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Thomas Spittler, *Honorary Professor of Environmental and Earth Sciences*. B.A., Spring Hill College; M.S., Ph.D., Loyola University

Perry S. Ury, *Former President and General Manager*; WTIC AM-FM. Honorary Professor of Communication

Lowell P. Weicker, Jr., *Former Governor of the State of Connecticut*. B.A., Yale University; LLB, University of Virginia; Honorary Professor of Political Science

Schedule of Projected Course Offerings for 2008-10

This schedule of Projected Course Offerings is provided to assist students and faculty in course planning.

The schedule indicates course number, abbreviated title, applicable LAC category, and the semester each course is offered.

Courses offered in the day, in the evening, by arrangement, or as needed, are indicated by the following symbols:

| | | |
|-----------|---|---------------------------------------|
| D | = | day |
| E | = | evening |
| * | = | by arrangement |
| + | = | as needed (consult department) |
| SU | = | only offered during summer |
| S | = | Saturday |

For summer and intersession course offerings, consult appropriate department.

NOTE: Course offerings are not guaranteed. Offerings subject to change based upon resources, course attendance and other considerations.

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|---------------------------------|---------|-----------|---------|-----------|
| ACC 201 | Prin Acct I | D E | D E | DE | DE |
| ACC 202 | Prin Managerial Acct | D E | D E | D E | D E |
| ACC 301 | Inter Acct I | D E | D E | D E | D E |
| ACC 302 | Inter Acct II | D E | D E | D E | D E |
| ACC 303 | Inter Acct III | E | E | D | E |
| ACC 310 | Cost Acct I | D E | | D E | |
| ACC 311 | Advanced Managerial Acct. | | D E | | D E |
| ACC 410 | Advanced Financial Accounting | E | E | D E | D E |
| ACC 411 | Contemporary Issues in Acct | E | D E | E | D E |
| ACC 412 | Auditing | D | E | D | E |
| ACC 416 | Fed Income Tax | E | D | E | D |
| ACC 420 | Acct Info Tech & Bus Solutions | D | E | D | E |
| ACC 480 | Independent Study | * | * | | |
| ACC 490 | Internship | * | * | | |
| ACC 492 | Dept Internship | * | * | | |
| AMS 251 | see HIS 251 | | | | |
| AMS 420 | see HIS 420 | | | | |
| AAT 201 | Intro Afr Amer 3rd Wld | | D | | |
| ANT 106 | Cultural Anthro | D | D E | D | D E |
| ANT 201 | Intro Canadian Studies | | | | |
| ANT 221 | Native Americans | D | D | D | D |
| ANT 222 | Native Peoples of Canada | D E | D E | D E | D E |
| ANT 225 | Contemp Puerto Rican Cult & Soc | | D | D | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|--|---------|-----------|---------|-----------|
| ANT 337 | Urban Anthrop | D E | D E | D E | D E |
| ANT 340 | Canadian Health | | D | | D |
| ANT 345 | Race, Ethnic and Transnat Ident | D | | | |
| ANT 358 | Ant of Violence | D | D | D | |
| ANT 364 | Medical Anthrop | D | | | |
| ANT 365 | Special Topics | * | * | * | * |
| ANT 479 | Summer Archaeological Field Sch | * | * | * | * |
| ART 100 | Introduction to Studio Art | D E | D E | D E | D E |
| ART 110 | Two-Dimensional Design | E | E | E | E |
| ART 111 | Three-Dimensional Design | E | D | E | D |
| ART 112 | Color Theory | E | E | E | E |
| ART 114 | Ceramics | + | + | + | + |
| ART 119 | Jewelry | + | + | + | + |
| ART 125 | Digital Illustration | D | D | D | D |
| ART 126 | Digital Imaging | D | D | D | D |
| ART 127 | Digital Design and Page Layout | D | D | D | D |
| ART 128 | Designing for the Internet | D | D | D | D |
| ART 140 | Explorations in Visual Culture | D | D | D | D |
| ART 201 | Relief Printmaking I | E | D | | E |
| ART 202 | Drawing I | D | D | D | D |
| ART 203 | Graphic Design I | D | D | D | D |
| ART 204 | Graphic Design II | D | D | D | D |
| ART 205 | Water Media | D | | D | |
| ART 206 | Sculpture I | D | | D | |
| ART 207 | Ceramic Sculpture | | | D | |
| ART 211 | Art History I: Pre-History to 1400 | | | | |
| ART 215 | Painting I | D | | D | |
| ART 220 | Relief Printmaking II | E | | D | |
| ART 225 | Asian Art and Culture (WRT050) | D | | D | |
| ART 226 | Public Art: Art and the Community | E | | | |
| ART 228 | Creative Problem Solving for Designers | | | E | |
| ART 230 | Visual Journals and Bookmaking | | D | E | |
| ART 306 | Wood Sculpture | | | | E |
| ART 307 | Portraiture | | E | | |
| ART 308 | Painting II | D | | D | |
| ART 309 | Figure Drawing I | E | E | E | E |
| ART 313 | Renaissance Art | | D | | |
| ART 314 | Landscape Painting I | | | D | |
| ART 315 | Figure Modeling | | E | | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|---|---------|-----------|---------|-----------|
| ART 317 | Polyester Plate Lithography | E | | | |
| ART 318 | Intaglio Printmaking I | | | E | |
| ART 319 | Expressions with Handmade Paper | | | | D |
| ART 320 | Water Based Screen Printing I | | | | E |
| ART 324 | Metal Construction | | D | | D |
| ART 325 | Animation/Multimedia | E | | E | |
| ART 327 | Magazine Design | | | | D |
| ART 330 | Package Design | | | | |
| ART 335 | Graphic Design III | | D | | D |
| ART 338 | Graphic Design Style | | | | D |
| ART 340 | Modern Art (WRT075)* | | D | | D |
| ART 343 | Introduction of 3D Animation | | | | |
| ART 345 | Museum Studies | | | D E | |
| ART 350 | Video Art | E | | E | |
| ART 352 | Drawing II | DE | DE | DE | DE |
| ART 355 | Women and the Visual Arts | | D | | D |
| ART 360 | American Art | D | | D | D |
| ART 365 | Special Topics in Art | D | D | D | D |
| ART 369 | African American Art | | | E | |
| ART 370 | Art in the Classroom | D | D | D | D |
| ART 390 | Practicum | * | * | * | * |
| ART 395 | Drawing in Color | D | | D | |
| ART 402 | Issues in Contemporary Art | D | | | |
| ART 403 | 3D Imaging/Animation I | | E | | E |
| ART 406 | Sculpture II | D | | D | |
| ART 408 | Advanced Painting | | | D | |
| ART 409 | Figure Drawing II | E | E | E | E |
| ART 410 | Web Design I | | E | | E |
| ART 414 | Landscape Painting II | | | D | |
| ART 415 | Advanced Figure Modeling | | | E | |
| ART 418 | Water Based Screen Printing II | | | | E |
| ART 419 | Professional Practices for Studio Artists | + | D | + | D |
| ART 420 | Intaglio Printmaking II | | D | | D |
| ART 421 | Digital Portfolio Preparation | | D | | |
| ART 430 | Advanced Drawing | D | D | D | D |
| ART 432 | ECSU Design Group | D | | D | |
| ART 436 | Graphic Design IV | | D | | D |
| ART 450 | Advanced Digital Illustration | | | | E |
| ART 451 | Motion Graphics | | D | | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|------------|-----------------------------------|---------|-----------|---------|-----------|
| ART 470 | Advanced Topics in Art | * | * | * | * |
| ART 480 | Independent Study | * | * | * | * |
| ART 485 | Senior Project in Studio Art | * | * | * | * |
| ART 486 | Senior Project in Art History | * | * | * | * |
| ART 490 | Internship | * | * | * | * |
| AST 214 | Descript Astronomy | E | E | ED | ED |
| AST 225 | Stars & Galaxies | + | + | D | + |
| AST 226 | Intro to Solar System | D | | D | |
| AST 360-69 | Topics/Astronomy | * | * | * | * |
| AST 375 | Math Astronomy & Astrophy | * | * | * | * |
| AST 380 | Tutorial Astron | * | * | * | * |
| AST 480 | Indep Stud in Astron | * | * | * | * |
| AST 490 | Planetarium Workshop | * | * | * | * |
| AST 495 | Planetarium Internship | * | * | * | * |
| BIO 120 | Organismal Biology w/Lab | D | D | D | D |
| BIO 130 | General Ecology w/Lab | D | | D | |
| BIO 180 | Fresh Super Study | * | * | * | * |
| BIO 202 | Human Biology Lect | D E | D E | D E | D E |
| BIO 203L | Human Biology Lab | D E | D E | D E | D E |
| BIO 205 | Insects & Human Soc. w/Lab | | D | | D |
| BIO 207 | Plants & Human Aff w/Lab† | D | D | D | D |
| BIO 220 | Cell Structure and Function w/Lab | D | D | D | D |
| BIO 230 | General Genetics w/Lab | D | D | D | D |
| BIO 280 | Soph Super Study | * | * | * | * |
| BIO 301 | Microbes & Your Health | D E | D | D E | D |
| BIO 303 | Applied Human Physiology | * | * | * | * |
| BIO 304 | Genetics & Society | + | + | + | + |
| BIO 305 | The Animal World | D | | D | |
| BIO 308 | General Ecology | E | D | E | |
| BIO 309 | Summer Flora of Connecticut | | SU | | SU |
| BIO 310 | Process of Sci/Soc | | D | D | |
| BIO 319 | Oceanic Island Ecology | | | D | |
| BIO 320 | Tropical Biology | | | | |
| BIO 324 | Entomology w/Lab | | | D | |
| BIO 330 | Cell Biology w/Lab | D | | | |
| BIO 332 | Bio of Plants w/Lab | D | | D | |
| BIO 334 | Gen. Micro w/Lab | | D | | D |
| BIO 336 | Invertebr Bio w/Lab | D | | | |
| BIO 338 | Vertebr Bio w/Lab | | | D | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|----------------------------------|---------|-----------|---------|-----------|
| BIO 340 | Parasitology w/Lab | | | D | |
| BIO 346 | Animal behavior w/Lab | D | | | |
| BIO 348 | Func Human Ana w/Lab | D | | D | |
| BIO 350 | Human Phys w/Lab | | D | | D |
| BIO 360 | Topics: Trop Eco Syst | | | | D |
| BIO 363 | Field Ornithology | D | | | |
| BIO 365 | Special Topics in Biology | + | + | + | + |
| BIO 366 | Topics: Molec Aspec | | D | | D |
| BIO 367 | Topics: Ultrastruct | D | | D | |
| BIO 378 | Bio. Res. & Data Analysis | | D | | |
| BIO 380 | Independent Study I | * | * | * | * |
| BIO 404 | Immunology | | D | | |
| BIO 420 | Electron Microsc w/Lab | | D | | D |
| BIO 422 | Rsrch Methods in Molec Bio w/Lab | | D | | D |
| BIO 428 | Virology w/Lab | D | | | |
| BIO 430 | Endocrinology w/Lab | | | D | |
| BIO 432 | Histology w/Lab | | D | | |
| BIO 434 | Developm Bio w/Lab | | | D | |
| BIO 436 | Molec Genetics w/Lab | | | D | |
| BIO 438 | Plant Phys w/Lab | | | | D |
| BIO 440 | Aquatic Bio w/Lab | D | | | |
| BIO 442 | Plant Ecolog w/Lab | D | | | |
| BIO 444 | Pop Ecology w/Lab | | | | D |
| BIO 446 | Terrestr Ecol w/Lab | | | D | |
| BIO 448 | Phys Ecology w/Lab | | D | | |
| BIO 450 | Biotechnol w/Lab | | | D | |
| BIO 452 | Conservation Biology w/Lab | | | | |
| BIO 465 | Biological Invasions w/Lab | | | | |
| BIO XXX | Plant-Animal Interactions w/Lab | | | | |
| BIO 466 | Seminar in Bio | D | D | D | D |
| BIO 480 | Independent Study II | * | * | * | * |
| BIO 488 | Honors Thesis Rsrch | * | * | * | * |
| BIO 490 | Teaching Assist I | * | * | * | * |
| BIO 491 | Teaching Assist II | * | * | * | * |
| BIO 494 | Supervis Field Exp | * | * | * | * |
| BIO 505 | The Animal World | | E | D E | E |
| BIO 507 | Plants & Human Aff w/Lab | | D | | D |
| BIO 520 | Tropical Biology | | D | | D |
| BIS 361 | Bus. Info. Sys. And Web Tech. | DE | D | D E | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|---|---------|-----------|---------|-----------|
| BIS 364 | Introduction to Social Informatics | | | | |
| BIS 365 | Emerging Technologies and Business Applications | E | | E | |
| BIS 370 | Systems Analysis and Design | E | | | |
| BIS 375 | Electronic Commerce | | E | E | E |
| BIS 430 | Ent. Res. Planning and E-Bus. | | E | | E |
| BIS 440 | Bus. Data Comm and E-Networks | | E | E | |
| BIS 442 | Info. Tech. Proj. Mgt. | | D | | D |
| BIS 450 | Database Mtg., E-Struct. and Security | E | | D | E |
| BIS 461 | Sem. On Info. Sys. and Bus. Strat. | | | | E |
| BIS 462 | Seminar in Health Care Mgt. | | | E | |
| BIS 480 | Independent Study | + | + | + | + |
| BIS 490 | Internship in BIS | + | + | + | + |
| BUS 205 | Information Management | D E | D E | D E | D E |
| BUS 225 | Marketing | D E | D E | D E | D E |
| BUS 230 | Business and Society | D E | D | D E | D |
| BUS 234 | Supervision and Training | + | + | + | + |
| BUS 245 | Finance | D E | D E | D E | D E |
| BUS 250 | Bus Law I | D E | D E | D E | D E |
| BUS 260 | Oper Management | D E | D E | E | D E |
| BUS 300 | Business Law II | E | E | E | E |
| BUS 310 | Contemp Issues in Employ Law | + | + | + | + |
| BUS 321 | Advertising | D E | | D E | |
| BUS 324 | Mkt Man for Hos Ind | + | * | D | D |
| BUS 325 | Consumer Behavior | D E | | D E | |
| BUS 326 | Sales Management | D E | | D E | |
| BUS 327 | Industrial Mkt | D E | + | D E | + |
| BUS 329 | International Mkt | D | E | D | E |
| BUS 330 | Industrial Lab Rel | | | E | |
| BUS 331 | Org Behavior | E | D | | E |
| BUS 332 | Mgmt of Org | E | + | D | + |
| BUS 333 | Personnel Admin | D | + | E | + |
| BUS 334 | Intro to Hospitality Industry | + | + | + | + |
| BUS 345 | Corporate Finance | + | + | + | + |
| BUS 346 | Invest Analysis | D | E | D | E |
| BUS 347 | Financial Inst | E | + | * | + |
| BUS 348 | Personal Finance | D E | + | E | + |
| BUS 349 | Real Estate Finance | | E | | E |
| BUS 351 | Adv Bus Concepts | D E | D E | D E | D E |
| BUS 361 | Systems/Operations | E | E | D | E |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|---------------------------------|---------|-----------|---------|-----------|
| BUS 362 | Global Operations | E | E | E | E |
| BUS 370 | Bus Pers/Canada/US | + | + | + | + |
| BUS 374 | Intro to Entrepreneur | E | | E | |
| BUS 375 | Entrepreneur Finance | + | + | + | + |
| BUS 377 | Small Bus Planning | + | + | + | + |
| BUS 428 | Marketing Research | + | E | + | E |
| BUS 429 | Strategic Marketing | | D | | D |
| BUS 431 | Mgmt Policy/Strat | D E | D E | D E | D E |
| BUS 433 | Mthd Hum Res Mgmt | + | + | + | + |
| BUS 434 | Org Imp & Man Dev | + | + | + | + |
| BUS 437 | Int'l Finance | D | E | D | E |
| BUS 438 | Bank Management | E | | E | |
| BUS 445 | Stud in Fin Mgmt/Elec Spdsheets | + | + | + | + |
| BUS 446 | Derivatives | + | + | + | + |
| BUS 450 | Int'l Business | D | E | D | E |
| BUS 460 | Chase Fellows Hon | * | * | * | * |
| BUS 462 | Seminar in Finance | * | * | * | * |
| BUS 463 | Seminar in Int'l Bus | * | * | * | * |
| BUS 464 | Seminar in Mgmt | * | * | * | * |
| BUS 465 | Seminar in Marketing | * | * | * | * |
| BUS 466 | Seminar in Non-Profit Org | * | * | * | * |
| BUS 467 | Seminar in Oper and Sys | * | * | * | * |
| BUS 468 | Seminar in Small Bus | + | + | + | + |
| BUS 469 | Seminar in Special Studs | * | * | * | * |
| BUS 480 | Independent Study | * | * | * | * |
| BUS 490 | Internship | * | * | * | * |
| BUS 492 | Dept Intership | * | * | * | * |
| BUS 531 | Org Behavior | E | | E | |
| BUS 532 | Mngmnt of Org | E | | E | |
| BUS 533 | Sem Mthds Human Resource Mgr | E | | E | |
| BUS 545 | Financial Management | + | + | + | + |
| CAS 201 | Intro to Canadian Studies | | | | |
| CAS 222 | see ANT 222 | | | | |
| CAS 271 | see HIS 271 | | | | |
| CAS 305 | see PSC 305 | | | | |
| CAS 310 | see CHE 310 | | | | |
| CAS 329 | see BUS 329 | + | + | + | + |
| CAS 329 | see ECO 329 | + | + | + | + |
| CAS 340 | see ANT 340 | | | | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|----------|-----------------------------------|---------|-----------|---------|-----------|
| CAS 365 | Topics in Canada St | * | * | * | * |
| CAS 370 | see BUS 370 | | | | |
| CAS 465 | Seminar in Canada St | D | | | |
| CHE 200 | Intro Chem Lecture w/Lab | | D | | D |
| CHE 205 | Chem of Life w/Lab | D | | D | |
| CHE 210 | Gen Chem I – Lect | D | | D | |
| CHE 211 | Gen Chem II – Lect | | D | | D |
| CHE 212L | Gen Chem I – Lab | D E | | D E | |
| CHE 213L | Gen Chem II – Lab | | D E | | D E |
| CHE 216 | Organ Chem I Lect & Lab | D | | D | |
| CHE 217 | Organ Chem II Lect & Lab | | D | | D |
| CHE 310 | Envir Chem | | | | |
| CHE 316 | Biochemistry I – Lect | D | | D | |
| CHE 317 | Biochemistry I – Lab | D | | D | |
| CHE 318 | Biochemistry II – Lect | | D | | D |
| CHE 319 | Biochemistry II – Lab | | D | | D |
| CHE 320 | Quant Analysis Lect & Lab | | | | |
| CHE 322 | Phys Chem | | | | |
| CHE 323 | Physical Biochemistry | | D | | D |
| CHE 360 | Topics in Chem | | D | | D |
| CHE 370 | Org Qual Analysis | | D | | D |
| CHE 380 | Tutorial in Chem | * | * | * | * |
| CHE 410 | Psychical Biochemistry Techniques | | D | | D |
| CHE 425 | Chemical Instrumentation | D | | D | |
| CHE 480 | Independent Study | * | * | * | * |
| CHE 490 | Intern Chem Teach | * | * | * | * |
| CHE 492 | Directed Research | * | * | * | * |
| CHI 110 | Intro Chinese I | D | | D | |
| CHI 111 | Intro Chinese II | | D | | D |
| COM 100 | Intro Mass Comm | D E | D E | D E | D E |
| COM 101 | Interpersonal Comm | D E | D E | D E | D E |
| COM 120 | Television Production I | | | | |
| COM 174 | Resources, Res., Resp | * | * | * | * |
| COM 190 | Newspaper Pract | * | * | * | * |
| COM 210 | Photography I | D | D | D | D |
| COM 212 | Prof Presentations | D | D E | D | D E |
| COM 215 | Media Aesthetics | | | | |
| COM 220 | Television Production II | D E | D E | D E | D E |
| COM 230 | Basic Speech | D | D | D | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|-------------------------------------|---------|-----------|---------|-----------|
| COM 241 | Intro Rad, New Med and Audio Tech | E | E | E | E |
| COM 245 | Dig Aud Prod for Rad, Vid and Inter | E | E | E | E |
| COM 290 | Television Practicum | * | * | * | * |
| COM 300 | Comm Law and Ethics | D | D | D | D |
| COM 301 | Persuasion | D | D | D | D |
| COM 310 | Digital Photography | D | D | D | D |
| COM 320 | Television Prod III | D E | D E | D E | D E |
| COM 321 | History of Comm | D | D | D | D |
| COM 330 | Org Comm | D | D | D | D |
| COM 340 | Broadcast Mgmt | D | D | D | D |
| COM 350 | Comm Writing | D E | D E | D E | D E |
| COM 351 | Contemp Print Jour | D | D | D | D |
| COM 355 | Radio & TV News Wrtg | D | D | D | D |
| COM 357 | Scriptwriting | D | + | D | + |
| COM 358 | Scriptwriting and Pres | + | D | + | D |
| COM 361 | Publication Design | D | D | D | D |
| COM 364 | Pub Rel Methods | | | | |
| COM 370 | Adver Essent | | | | |
| COM 372 | Intern Advert & Pub Rel | | | | |
| COM 373 | Comm Research | D E | D | D E | E |
| COM 403 | Mass Comm Theory | D | D E | D | D E |
| COM 420 | Workshop in TV Dir | D | D | D | D |
| COM 425 | Advanced TV Workshop | E | D | E | D |
| COM 430 | Non-Linear Editing | D | D | D | D |
| COM 435 | Docum Production | | | | |
| COM 440 | Wrksp in Rad and Aud | | | | |
| COM 450 | Advanced Journalism | + | + | + | + |
| COM 460 | Special Topics | + | + | + | + |
| COM 464 | PR Med Relations | | | | |
| COM 468 | Public Rel Campaign | | | | |
| COM 476 | Adver Med Plan | | | | |
| COM 478 | Adver Campaign | | | | |
| COM 480 | Independent Study | * | * | * | * |
| COM 490 | Internship | * | * | * | * |
| COM 491 | Internship | * | * | * | * |
| COM 512 | Organizational Presentations | E | + | E | + |
| COM 530 | Org Communication | + | E | + | E |
| COM 550 | Ed TV and Media Conv | + | + | + | + |
| CSC 100 | Computer Concepts | D | E | D | E |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|------------|---|---------|-----------|---------|-----------|
| CSC 110 | Intro to Computing and Prob. Solv | D E | E | D E | D E |
| CSC 200 | Manag. Systems | + | + | + | + |
| CSC 210 | Comp Science and Programming I | E | D | DE | D |
| CSC 220 | Visualizing Data, Information and Ideas | D | D | D | D |
| CSC 231 | Comp Science and Programming II | D | D | D E | D |
| CSC 249 | Visual Basic | D | + | E | + |
| CSC 251 | Net-centric Computing | D | E | D | D |
| CSC 259 | Advanced Visual Basic | + | + | + | + |
| CSC 269 | Spec. Topics in Comp. Lang. | * | * | * | * |
| CSC 311 | Video Games with Games Engines | D | + | + | + |
| CSC 330 | Data Structures | D | E | D | D |
| CSC 335 | Computer Algorithms | | D | E | D |
| CSC 337 | Computer Networks Distributed | + | + | + | + |
| CSC 338 | Comp Net Distr Procs Prog | + | + | + | + |
| CSC 339 | Network Mgmt & Admin | + | + | + | + |
| CSC 340 | Prog Lang and Translation | D | D | | D |
| CSC 341 | Database and Information Mgmt | E | D | E | D |
| CSC 344 | Operating Systems | E | D | D | D |
| CSC 347 | Embedded Micro-controllers | + | + | + | + |
| CSC 350 | see MAT 350 | + | + | + | + |
| CSC 351 | Signals and Systems | + | + | + | + |
| CSC 352 | Digital Signal Processing | + | + | + | + |
| CSC 353 | Introduction to Wavelet | + | + | + | + |
| CSC 355 | Digital Logic | + | + | + | + |
| CSC 356 | Digital Logic (Lab) | + | + | + | + |
| CSC 358 | Parallel Processing | + | + | + | + |
| CSC 360 | Topics in CSC | + | + | + | + |
| CSC 375 | Artificial Intelligence | + | + | + | + |
| CSC 378 | Comp Org and Architech | | D | E | D |
| CSC 410 | Client/Server Computing | + | + | + | + |
| CSC 420 | Microprocessors | + | + | + | + |
| CSC 430 | Computabil & Auto | + | + | + | + |
| CSC 445 | Software Engineering | | D | D | E |
| CSC 450 | Senior Seminar | | D | E | D |
| CSC 455 | Comp Sys Perf Eval | + | + | + | + |
| CSC 456 | Advanced Software Development | + | + | + | + |
| CSC 461-69 | Sem in Selected Computer Topics | + | + | + | + |
| CSC 475 | Intelligent Systems | + | + | + | + |
| DNC 130 | Intro Dance | D | | D | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|-----------------------------------|---------|-----------|---------|-----------|
| DNC 232 | Modern Dance I | | | | |
| DNC 233 | Modern Dance II | | | | |
| DNC 236 | Jazz Dance I | D | * | * | * |
| DNC 237 | Jazz Dance II | D | * | * | * |
| DNC 242 | Ballet I | | | D | |
| DNC 243 | Ballet II | | | D | |
| DNC 330 | Concepts of Dance | D | | | |
| DNC 334 | Modern Dance III | | | | |
| DNC 335 | Modern Dance IV | | | | |
| DNC 338 | Jazz III | * | D | * | * |
| DNC 339 | Jazz IV | * | D | * | * |
| DNC 344 | Ballet III | | | | D |
| DNC 345 | Ballet IV | | | | D |
| DNC 346 | Improvisation | | D | | |
| DNC 347 | Dance Workshop | | | D | |
| DNC 395 | Dance Practicum | * | * | * | * |
| DNC 445 | Dance Comp | | | | D |
| DNC 480 | Independent Study | * | * | * | * |
| DNC 491 | Dance Internship | * | * | * | * |
| ECE 215 | Fnd of ECE | D | D E | D | D E |
| ECE 305 | Intro to Early Child Special Ed | E | D | E | D |
| ECE 315 | Classroom Environments | D | D | D | D |
| ECE 325 | Language & Literacy | D | D | D | D |
| ECE 345 | Classroom Environments II | E | E | D | E |
| ECE 355 | Reading & Writing in Primary Yrs | D | D | D | D |
| ECE 405 | Adapt EC Curr for Inclusive Class | E | E | E | E |
| ECE 415 | Math Science Curric in ECE | D | D | D | D |
| ECE 425 | Practicum in ECE | D | D | D | D |
| ECE 435 | Assessment in Early Childhood | D | D | D | D |
| ECE 445 | Student Teach (Grades 1, 2 or 3) | D | D | D | D |
| ECE 500 | Adv Stud Early Child Dev | E | | E | |
| ECE 501 | Ther Top Early Child | | E | | E |
| ECE 502 | Prog Mod Teaching | | | | E |
| ECE 503 | Lang & Literary | E | | E | |
| ECE 504 | Early Childhood Curr | E | | E | |
| ECE 505 | Young Child Spec Needs | + | + | + | |
| ECE 506 | Adaptations for Diverse Needs | E | | E | |
| ECE 507 | Literacy & Culture | E | | E | |
| ECE 509 | Seminar for Preservice Teachers | | | E | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|----------------------------------|---------|-----------|---------|-----------|
| ECE 510 | Math & Science in ECE | | + | | + |
| ECE 512 | Technology in ECE Classroom | | E | | E |
| ECE 566 | Practicum in EC Special Ed | D | D | D | D |
| ECE 575 | Graduate Student Teaching (ECE) | D | D | D | D |
| ECE 576 | Assessment in ECE | D | D | D | D |
| ECE 670 | Workshop | + | + | + | + |
| ECE 675 | Seminar | + | + | + | + |
| ECE 695 | Grad Internship | * | * | * | * |
| ECE 696 | Research & Readings | * | * | * | * |
| ECE 699 | Thesis II | * | * | * | * |
| ECO 100 | Pol Eco Soc Iss | D | D | D | D |
| ECO 105 | Global Economics | D | | D | |
| ECO 200 | Prin Macroeconmcs | D E | D | D E | D |
| ECO 201 | Prin Microeconmcs | D | D E | D | D E |
| ECO 210 | Economics and the Environment | D | | D | |
| ECO 215 | Stats for Bus/Eco | DE | DE | DE | DE |
| ECO 300 | Math for Economics | D | | D | |
| ECO 301 | Int. Microeconomics | | D | | D |
| ECO 302 | Int. Macroeconomics | D | | D | |
| ECO 305 | Intro Econometrics | | D | | D |
| ECO 310 | Contemp Eco Issues | + | + | + | + |
| ECO 315 | Govt & Business | D | | D | |
| ECO 320 | Developing Eco | * | * | * | * |
| ECO 322 | Environmental Economics | D | | D | |
| ECO 325 | Money & Banking | E | D | E | D |
| ECO 329 | Pol Eco Lbr Relat | | D | | D |
| ECO 330 | Labor Economics | D | | D | |
| ECO 335 | Urban & Reg Eco | | | D | |
| ECO 340 | Bus Cyc & Frctng | | | | E |
| ECO 345 | Industrial Org & Dev | * | * | * | * |
| ECO 350 | International Economics | | D | | D |
| ECO 353 | International Monetary Economics | | | D | |
| ECO 355 | Int'l Pol Economy | + | + | + | + |
| ECO 360 | Compar Eco Systems | + | + | + | + |
| ECO 370 | Hist Eco Thought | + | + | + | + |
| ECO 375 | Quant Mtds Bus/Eco | | D | | D |
| ECO 377 | Public Finance | E | | + | + |
| ECO 465 | Special Topics in Economics | + | + | D | + |
| ECO 479 | Senior Eco Seminar | D | D | D | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|--|---------------|-----------------|---------|-----------|
| EDU 101 | Teaching in the 21st Century | * | * | * | * |
| EDU 110 | Introduction to Education | D | D | D | D |
| EDU 200 | Child and Adol Dev | D E | D E | D E | D E |
| EDU 210 | Edu Schlng Am Soc | D E | D E | D E | D E |
| EDU 260 | Int Womens Studies | + | + | + | + |
| EDU 300 | Learning/Teaching | | E | | E |
| EDU 304 | Learn/Teach in Elem Classroom | | D | | D |
| EDU 305 | Reading & Language Arts I | | D | | D |
| EDU 306 | Reading & Language Arts II | | D | | D |
| EDU 307 | Inclusive Elementary Classrooms | | D (spring only) | | |
| EDU 308 | Inclusive Secondary Classrooms | D (fall only) | | | |
| EDU 360 | Technology in the Classroom | E | E | E | E |
| EDU 365 | Special Topics | + | + | + | + |
| EDU 372 | Adapt for Middle/Sec Except Stud | E | E | | |
| EDU 374 | Adapt for Elem Exceptional Stud | E | E | | |
| EDU 410 | Reading/Content | D | | D | |
| EDU 411 | Methods in Elem Math & Sci | | D | D | |
| EDU 412 | Methods of Elementary: Soc Stud | D | | D | |
| EDU 413 | Methods in Elementary Science | D | | D | |
| EDU 425 | Classroom Management and Assessment in the Secondary School | E | E | E | E |
| EDU 438 | Parenting | + | + | + | + |
| EDU 460 | P+P Tech/Bio/EES | E | | E | |
| EDU 462 | P+P Tch English | E | | E | |
| EDU 463 | P+P Tch History | E | | E | |
| EDU 464 | P+P Tch Math | E | | E | |
| EDU 465 | Classroom Management and Assessment in the Elementary School | E | E | E | E |
| EDU 470 | S Tch Elem & Mid | D | D | D | D |
| EDU 471 | S Tch Secondary | D | D | D | D |
| EDU 480 | Independent Study | * | * | * | * |
| EDU 490 | Internship | * | * | * | * |
| EDU 501 | Clinical Experiences I | D | D | D | D |
| EDU 502 | Clinical Experiences II | D | D | D | D |
| EDU 503 | Clinical Experiences III | D | D | D | D |
| EDU 507 | Parenting | + | + | + | + |
| EDU 508 | Research in Education | E | E | E | E |
| EDU 511 | Lrn Tch Cncp & Mod | E | E | E | E |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|--|---------|-----------|---------|-----------|
| EDU 525 | Classroom Management and Assessment in the Secondary School | E | E | E | E |
| EDU 527 | Creat Drama Clsrm | + | + | + | + |
| EDU 530 | Mod Math Clsrm I | + | + | + | + |
| EDU 532 | Cur Iss Trnds Math | | E | | E |
| EDU 537 | Sci in Elem School | E | | E | |
| EDU 541 | Curr Inov in Sci | | E | | E |
| EDU 542 | Cur Iss Trnds Sci | | E | | E |
| EDU 544 | Patterns of Dev: Typical & Excep | E | | E | |
| EDU 545 | Curr Dev & Eval | E | E | E | E |
| EDU 553 | Computers Classroom Curriculum | E | E | E | E |
| EDU 554 | Logo | + | + | + | + |
| EDU 555 | Educ & Society | E | E | E | E |
| EDU 557 | Intl/Crs-cltrl Ed | + | + | + | + |
| EDU 563 | Cur Iss Trnds SS | E | E | E | E |
| EDU 565 | Classroom Management and Assessment in the Elementary School | E | E | E | E |
| EDU 570 | Captstone Seminar | E | E | E | E |
| EDU 571 | Grad Stud Teach (Sec School) | D | D | D | D |
| EDU 572 | Philosophy of Education | * | * | * | * |
| EDU 573 | Grad Stud Teach (Elem Sch) | D | D | D | D |
| EDU 574 | Sem in School Law | + | + | + | + |
| EDU 577 | Edu Comp Theo Prac | + | + | + | + |
| EDU 580 | Prod Tools Cur App | + | + | + | + |
| EDU 581 | Tchng Gftd & Tlntd | + | + | + | + |
| EDU 582 | Teaching Exceptional Students | E | E | E | E |
| EDU 586 | Stdy of Teaching | + | + | + | + |
| EDU 605 | School Finance | + | + | + | + |
| EDU 670 | Workshop | + | + | + | + |
| EDU 675 | Seminar | + | + | + | + |
| EDU 695 | Grad Internship | * | * | * | * |
| EDU 696 | Research & Rdngs | * | * | * | * |
| EDU 699 | Thesis I | * | * | * | * |
| EDU 699 | Thesis II | * | * | * | * |
| EES 104 | Dynamic Earth Lec | D | D | D | D |
| EES 106 | Geology of National Parks | + | + | + | + |
| EES 110 | Intro Geology | + | + | + | + |
| EES 112 | Earth Science Laboratory | + | + | + | + |
| EES 125 | Geology of Natural Resources | + | + | + | + |
| EES 130 | Ancient Envir Lec | | D | | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|--|---------|-----------|---------|-----------|
| EES 200 | Oceanography | DE | E | DE | E |
| EES 202 | Geological Setting of Connecticut | + | + | + | + |
| EES 204 | Global Climate Change | + | + | + | + |
| EES 205 | Sustainable Energy | + | + | + | + |
| EES 206 | Impact of an Ice Age | + | + | + | + |
| EES 220 | Environmental Geology | O | O | O | O |
| EES 222 | Water and Society | O | O | O | O |
| EES 224 | Landform Analysis Lec | | D | | D |
| EES 230 | Scientific Dimensions of National Disasters | | E | | E |
| EES 305 | Sustainable Energy Res. | + | | E | |
| EES 306 | Sustainable Energy Applications | | + | | + |
| EES 307 | Sustainable Energy and Sustainable Development | SU | SU | SU | SU |
| EES 310 | Phys Geography | + | + | + | + |
| EES 312 | Phys Geography w/Lab | + | + | + | + |
| EES 315 | Environmental Science and Society | E | E | E | E |
| EES 320 | Environmental Mgmt | | + | | + |
| EES 321 | Introduction to Watershed Management | + | + | + | + |
| EES 322 | Hydrology w/Lab | D | | D | |
| EES 323 | Drinking Water Management | | SU | | SU |
| EES 330 | Mineralogy & Rock Analysis | D | | D | |
| EES 336 | Applied Hydrogeochemistry | | | + | + |
| EES 340 | Geo Info Sys | D | | D | |
| EES 342 | Adv Geo Info Sys | | D | | D |
| EES 344 | Sediment & Stratig | | D | | D |
| EES 350 | Field Meth in Ear Sci | D | | D | |
| EES 356 | Struc Geo & Envir Appl. | | D | | D |
| EES 361 | Gemstones | + | + | + | + |
| EES 362 | Climate and Weather | E | E | E | E |
| EES 392 | EES Practicum | + | + | + | + |
| EES 405 | Sustainable Energy Analysis | + | + | + | + |
| EES 422 | Groundwater Hydro | | + | + | D |
| EES 423 | Health/Safety at Hazard Waste Sites | | E | | E |
| EES 424 | Glacial Geology | D | | | |
| EES 428 | Geol Regions in N.A. | + | + | + | + |
| EES 430 | Optical Mineralogy with Lab | * | * | * | * |
| EES 436 | Intro Contaminant Hydro | + | + | + | D |
| EES 440 | Process Geomorphology | D | | | |
| EES 444 | GIS Appl in Environ Sci | + | + | + | + |
| EES 457 | Instr Meth EES | * | * | * | * |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|-------------|-------------------------|---------|-----------|---------|-----------|
| EES 460-462 | Spec. Topics in EES | * | * | * | * |
| EES 480 | Ind Study in EES | D | D | D | D |
| EES 486-488 | Earth Sci Rsrch | * | * | * | * |
| EES 490 | Intern in EarthSciLab | + | + | + | + |
| EES 491 | Intern in EnvEarthSci | + | + | + | + |
| ENG 100P | College Writing Plus | D | D | D | D |
| ENG 100 | College Writing | D E | D E | D E | D E |
| ENG 125 | Intro to Lit | D E | D E | D E | D E |
| ENG 200 | Read/Write/Argument | D | D | D | D |
| ENG 202 | Intro Eng Studies | D | D | D | D |
| ENG 203 | Writing/Eng Majors | D E | D E | D E | D E |
| ENG 205 | Intro. Creative Writing | D E | D E | D E | D E |
| ENG 210 | Lit West Soc to 1400 | E | | D E | |
| ENG 211 | Lit West Soc from 1400 | | E | | D E |
| ENG 212 | Amer Lit to 1865 | D | | D E | |
| ENG 213 | Amer Lit from 1865 | D | | D E | |
| ENG 214 | Eng Lit to 1798 | D | | D | |
| ENG 215 | Eng Lit from 1798 | | D | | D |
| ENG 225 | Fiction | D E | D E | D E | D E |
| ENG 226 | Drama | E | D | D | D |
| ENG 227 | Poetry | D | D E | D | D E |
| ENG 228 | Poetry of Women | E | | D | |
| ENG 234 | Contemp Fiction | D | | D E | |
| ENG 240 | The Study of Language | + | + | + | + |
| ENG 241 | Critic & Creat Thinking | D E | D | D E | D |
| ENG 242 | Lit & Soc Issues | | D E | | D |
| ENG 250 | World Mythologies | D E | D E | | E |
| ENG 251 | see HIS 251 | | | | |
| ENG 255 | African Amer Lit & Cult | D | | D | |
| ENG 256 | Native Amer Lit | | | D | |
| ENG 258 | Asian-American Lit | D | | E | |
| ENG 259 | Chicano/a Lit & Cult | | D | | |
| ENG 260 | Intro Women's Studies | D | E | D | E |
| ENG 461 | Senior Seminar I | E | E | E | E |
| ENG 462 | Senior Seminar II | E | E | E | E |
| ENG 266 | Mini-Lit | + | + | + | + |
| ENG 275 | Tutoring Writing | D | | D | |
| ENG 300 | Professional Writing | E | | E | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|-----------------------------------|---------|-----------|---------|-----------|
| ENG 301 | Writing Fiction | E | D | E | D |
| ENG 302 | Writing Poetry | E | D | E | D |
| ENG 308 | Playwriting | + | + | + | + |
| ENG 309 | Writing for Children/Young Adults | D E | | | D E |
| ENG 316 | Medieval British Lit | | | D | |
| ENG 317 | Renaissance Lit | | D | | |
| ENG 318 | Restoration Lit | E | | | |
| ENG 319 | Age of Sensibility | | | D | |
| ENG 320 | Victorian Lit & Culture | | D | | |
| ENG 321 | Victorian Novel | + | + | + | + |
| ENG 322 | Brit. Lit/Romantic | D | | | |
| ENG 323 | 17th Cent Engl Poetry | | D | | |
| ENG 324 | see MCL 324/WST | | | | |
| ENG 325 | Modern Drama | | E | | D |
| ENG 326 | Contemporary Drama | E | | E | |
| ENG 328 | Children's Lit | E | | D | |
| ENG 329 | Adolescent Lit | E | | E | |
| ENG 332 | Mod Brit & Amer Poetry | | D | | D |
| ENG 333 | The Modern Novel | E | | D | |
| ENG 334 | Post Mod & Contemp Poet | | E | | D |
| ENG 335 | Shakespear's Comedies | D | | D | |
| ENG 336 | Shakespear's Tragedies | | E | | D |
| ENG 337 | Chaucer | | | D | |
| ENG 340 | Hist & Dev Eng Lang | D | | E | |
| ENG 341 | Mod Amer Grammar | D | D | | D |
| ENG 342 | Lit. New England | + | + | + | + |
| ENG 344 | African Lit | | E | | E |
| ENG 345 | American Ethnic Min Lit | + | + | + | + |
| ENG 347 | African American English | | D | | |
| ENG 353 | Storytelling | | | D | |
| ENG 355 | Mod European Lit | + | + | + | + |
| ENG 356 | Women Writ to 1900 | E | | | D |
| ENG 357 | 20th Cen Women Writ | | D | | D E |
| ENG 358 | Literary Criticism | + | + | D+ | + |
| ENG 365 | Topics in Lit/Lang/Writing | D | D | D | D |
| ENG 370 | Comp Theory/Pedagogy | | D | | D |
| ENG 371 | Rhetoric & Rhet Theory | | D | | D |
| ENG 375 | Lang Acqu in Young Children | | D | | D |
| ENG 380 | Creative Nonfiction | | D | | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|-------------|--------------------------------|---------|-----------|---------|-----------|
| ENG 381 | Advan Fiction Workshop | D E | | D E | |
| ENG 382 | Advan Poetry Workshop | | D E | | D E |
| ENG 383 | Literary Publishing | + | D E+ | + | + |
| ENG 420 | see HIS 420 | | | | |
| ENG 461 | Senior Seminar | E | E | E | E |
| ENG 462 | Senior Seminar | E | E | E | E |
| ENG 480 | Independent Study | * | * | * | * |
| ENG 493 | Intern Coll Writing | * | * | * | * |
| ENG 494 | Intern Coll English | * | * | * | * |
| ENG 495 | Intern Writing & Edit | * | * | * | * |
| ENG 499 | Directed Research | * | * | * | * |
| FAH 230 | Fine Arts Apprec | D E | D E | D E | D E |
| FLM 101 | Introduction to Film | | D E | | |
| FLM 321 | FilmAppre:AmerCine | | | D E | |
| FLM 322 | FilmAppre:WorldCine | D E | | | D E |
| FRE 110 | Intro French I | D | D | D | D |
| FRE 110-111 | Intro French I and II | | D | | D |
| FRE 111 | Intro French II | | D | | D |
| FRE 116 | Intro to French-Spkng Wrld | D E | | D E | |
| FRE 210 | Intern French I | D | | D | |
| FRE 211 | Intern French II | | D | | D |
| FRE 231 | Women Writers Fre-Speak | | E | | E |
| FRE 310 | Adv. French I | D | | D | |
| FRE 311 | Adv. French II | | D | | D |
| FRE 313 | Lang & Style I: Convrns & Comp | | + | | D |
| FRE 314 | Lang & Style II: Stylistics | | + | | D |
| FRE 316 | Cultures French-Speak World | + | + | + | + |
| FRE 320 | Literature I: France | + | + | + | + |
| FRE 321 | Lit II: French Speak World | + | + | + | + |
| FRE 365 | Special Topics | D | D | D | D |
| FRE 430 | Methods Tch Foreign Lang | | E | | E |
| FRE 480 | Independent Study | + | + | + | + |
| FRE 490 | Internship | + | + | + | + |
| FRE 495 | Field Experiences | + | + | + | + |
| GEO 100 | Intro Geography | D | D | D | D |
| GEO 110 | Urban Geography | + | + | + | + |
| GEO 210 | Geo of US & Canada | D | | | D |
| GEO 228 | Hist Geo of US | | | D | |
| GEO 331 | Geography of Food | | D | | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|------------------------------|---------|-----------|---------|-----------|
| GEO 333 | Global Geopol Divisions | E | | | D |
| GEO 337 | Economic Geography | | | D | |
| GEO 365 | Sp Topics: Geography | E | + | + | + |
| GEO 480 | Independent Study | * | * | * | * |
| HIS 115 | Intro World Hist I | | | | |
| HIS 116 | Modern World | D | D E | D | D E |
| HIS 120 | Early America | D | D | D | D E |
| HIS 121 | Recent America | D | D E | D | D |
| HIS 200 | Research & Writing | D | D | DE | D |
| HIS 203 | Renaissance and Reformation | | | | |
| HIS 205 | Eur Hist 1815-1914 | | | | D |
| HIS 206 | 20th Century Europe | | D | | |
| HIS 221 | Native American History | D | | | D |
| HIS 230 | West Civ I pre 1500 | D | D E | D | D E |
| HIS 231 | West Civ II post 1500 | D | D | D | D E |
| HIS 241 | American Frontier | D | | | |
| HIS 243 | Churches & Mod Civ Rts | | | | D |
| HIS 245 | African-Amer Religion | E | | D | |
| HIS 250 | History of New England | | + | + | + |
| HIS 251 | Intro to American Soc | D | | | D |
| HIS 255 | Intro to Latin Amer | | D | | |
| HIS 265 | Intro to Africa | | | | D |
| HIS 267 | Mini-History Topics | + | + | + | |
| HIS 271 | History of Canada | | | | |
| HIS 272 | News and Views | | | | |
| HIS 275 | Intro to East Asia | | D | | D |
| HIS 302 | Colonial America | | D | | |
| HIS 303 | Rev & Early Republic | | | D | |
| HIS 305 | Antebellum America | | + | | + |
| HIS 307 | Civ War & Reconstr | D | | | D |
| HIS 310 | GR Issues US Surv | E | D | D | E |
| HIS 313 | Gilded Age – WWI | D | | | |
| HIS 315 | US Between the Wars | D | | | D |
| HIS 316 | US After WWII | | | D | |
| HIS 317 | Women & Family | D | | | D |
| HIS 318 | Hist of US Foreign Relations | | | | D |
| HIS 320 | Connecticut Hist | | | D | |
| HIS 321 | African Am to 1877 | D | | | |
| HIS 322 | African Am since 1877 | | | D | |
| HIS 325 | Expans of New Eng | | | | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|------------------------------|---------|-----------|---------|-----------|
| HIS 328 | Amer Immigration History | D | + | + | + |
| HIS 329 | East Central Europe | | + | + | + |
| HIS 330 | Tudor Stuart Britain | | | D | |
| HIS 331 | Modern Britain | | D | | |
| HIS 333 | Roman History | | | | D |
| HIS 334 | Early Medieval Hist | | | | |
| HIS 337 | History of Russia | | | | |
| HIS 339 | History of Modern Germany | | | | D |
| HIS 340 | History of South | | | | D |
| HIS 341 | Colonial Latin Amer | | | | E |
| HIS 342 | Modern Latin America | D | + | + | + |
| HIS 345 | History of Mexico | | | D | |
| HIS 346 | Central America | | D | | |
| HIS 351 | Europe and the Great War | E | + | + | + |
| HIS 352 | History of World War II | | | | D |
| HIS 361 | Disasters in America | + | + | + | + |
| HIS 365 | Sp Topics: History | D | D | D | D |
| HIS 371 | Making of China's Trad | | | | D |
| HIS 372 | China in Revolution | D | + | + | + |
| HIS 373 | Mao's China | | | | D |
| HIS 375 | History of Japan | | | D | |
| HIS 378 | Early North Europe | | D | | |
| HIS 391 | Rel, War & Peace Ear Mod Eur | + | + | + | + |
| HIS 400 | Sem Amer History | E | E | E | E |
| HIS 406 | Sem Europ History | | E | E | |
| HIS 407 | Sem World Hist | E | | | E |
| HIS 420 | Sem Amer Civ | | | E | E |
| HIS 461 | Collqm: American Hist | | | | |
| HIS 462 | Collqm: European Hist | | | | |
| HIS 463 | Collqm: World Hist | | | | |
| HIS 480 | Independent Study | * | * | * | * |
| HIS 490 | Intern Hist Rsrch | * | * | * | * |
| HON 200 | Honors Expos Wrtg | D | | D | |
| HON 201 | Reading Across the Curric | + | D | + | D |
| HON 360 | Honors Colloquium I | D | D | D | D |
| HON 361 | Honors Colloquium II | D | D | D | D |
| HON 362 | Honors Colloquia III | D | | | D |
| HON 363 | Honors Colloquia | + | + | + | + |
| HON 380 | Dir Honors Research | * | * | * | * |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|-------------|------------------------------------|---------|-----------|---------|-----------|
| HON 488 | Honors Thesis | * | * | * | * |
| HON 490 | Internship in Honors | + | + | + | + |
| HPE 101 | Foundation Fitness | D | D | D | D |
| HPE 102 | Healthy Weight Management | D | D | D | D |
| HPE 103 | Found Fitness: Comp | | D | | D |
| HPE 104 | Foundations of Health and Wellness | DE | DE | DE | DE |
| HPE 110-190 | Activities** | D E | D E | D E | D E |
| HPE 200 | Special Topics | D | D | D | D |
| HPE 201 | Current Issues in Health Ed | + | + | + | + |
| HPE 207 | Nutrition Across Lifespan | | D | | D |
| HPE 209 | Nutrition and Public Health | E | E | E | E |
| HPE 210 | Personal Health | D | D | D | D |
| HPE 230 | Intro PE | D | D | D | D |
| HPE 240 | Intro PE Curriculum Materials | + | + | + | + |
| HPE 250 | Lifeguard Training | + | + | + | + |
| HPE 255 | Water Safety Instruction | + | + | + | + |
| HPE 300 | Adventure Education | + | + | + | + |
| HPE 303 | Sports Conditioning for Youth | | | | |
| HPE 315 | Adapt PE | D | D | D | D |
| HPE 320 | Sports Nutrition | D | D | D | D |
| HPE 325 | Holistic Health | E+ | E+ | E+ | E+ |
| HPE 326 | Stress Management | + | + | + | + |
| HPE 328 | App Anat/Physgy | D | D | D | D |
| HPE 329 | Physio Bas of Move | D | D | D | D |
| HPE 331 | Org/Adm PE, Ath, Rec | D | D | D | D |
| HPE 361 | Activity Games Individual | D | D | D | D |
| HPE 362 | Activity Games Teams | D | D | D | D |
| HPE 363 | Elem Activ/Games | D | D | D | D |
| HPE 368 | Educ Dance Gym | D | D | D | D |
| HPE 370 | Athletic Training | D | D | D | D |
| HPE 400 | Special Topics | D | D | D | D |
| HPE 401 | Motor Development | D | D | D | D |
| HPE 403 | Coaching Youth Sports | + | + | + | + |
| HPE 410 | Internat Dimension PE | | + | | + |
| HPE 411 | Sports in Amer Scty | D | D | D | D |
| HPE 413 | Physio of Ed Exercise | D | D | D | D |
| HPE 435 | Tech in Phys Act Assess | D | D | D | D |
| HPE 437 | Curr Issues PE | | D | | D |
| HPE 441 | Teach, Org/Admin Elem PE | D | D | D | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|----------|---|---------|-----------|---------|-----------|
| HPE 445 | Teach, Org/Admin Sec PE | D | D | D | D |
| HPE 448 | Teaching Health | + | + | + | + |
| HPE 475 | Student Teaching | D | D | D | D |
| HPE 476 | Student Teaching Seminar | D | D | D | D |
| HPE 480 | Independent Study | + | + | + | + |
| HPE 490 | University Internship | + | + | + | + |
| HPE 491 | Prof Internship | + | + | + | + |
| HPE 492 | Pre-Prof. Internship | + | + | + | + |
| ITA 110 | Intro Italian I | + | | + | |
| ITA 111 | Intro Italian II | | + | | + |
| JPN 110 | Intro Japanese I | D | | D | |
| JPN 111 | Intro Japanese II | | D | | D |
| MAT 098W | Elem Algebra w/Workshop | + | + | + | + |
| MAT 098 | Elementary Algebra | D E | D E | D E | D E |
| MAT 101W | Intermediate Algebra w/Workshop | D E | D | D E | D |
| MAT 101 | Intermediate Algebra | D E | D E | D E | D E |
| MAT 130 | Pre-Calculus | D E | D | D | D |
| MAT 135 | Math for Lib. Arts | D E | D E | D E | D E |
| MAT 139 | Number Systems | D E | DE | D E | DE |
| MAT 140 | Surv Log/Geom/Prob | D | D | D | D |
| MAT 203 | Statistics Decis. | + | + | + | + |
| MAT 205 | Math for Economics | + | + | + | + |
| MAT 216 | Statistical Data Anal. | D E | D E | D E | D E |
| MAT 230 | Discrete Structures | D | D E | D | D |
| MAT 243 | Calculus I w/Technology | D | D | D E | D |
| MAT 244 | Calculus II w/Technology | D | D | D | D E |
| MAT 300 | Abstract Algebra | D | D | D | D |
| MAT 303 | Math for Poets | + | + | + | + |
| MAT 310 | Applied Linear Algebra | D | D | D | D |
| MAT 315 | Appl. Prob. and Stats | D | D | D | D |
| MAT 340 | Calculus III | D | D | D | D |
| MAT 341 | Differ Equations | D | + | + | + |
| MAT 345 | Optimization | + | + | + | D |
| MAT 350 | Numerical Analysis | + | + | + | + |
| MAT 353 | Intro to Wavelet Theory & Apps | + | + | + | + |
| MAT 360 | Topics in Math | + | D | + | D |
| MAT 370 | Operations Research | + | + | + | + |
| MAT 372 | Advanced Mathematics for High School Teaching | + | D | + | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|--|---------|-----------|---------|-----------|
| MAT 375 | Math Astronomy & Astrophysics | + | + | + | + |
| MAT 380 | Geometry | D | D | D | D |
| MAT 420 | Real Analysis I | D | | D | |
| MAT 421 | Real Analysis II | | D | | D |
| MAT 422 | Adv Topics in Analysis | + | + | + | + |
| MAT 440 | Topology | + | + | + | + |
| MAT 450 | Complex Variables | + | D | + | + |
| MAT 480 | Independent Study | * | * | * | * |
| MAT 490 | Intern Col Teach | * | * | * | * |
| MCL 231 | Women Writers from French-Speaking Countries | | E | | E |
| MCL 324 | Women Authors in Lat. Amer | | D | | D |
| MCL 365 | Topics | * | * | * | * |
| MCL 375 | Lang Acquisition in Yng Children | + | + | + | + |
| MCL 430 | Methods of Teaching Foreign Languages | | E | | E |
| MCL 492 | Directed Study | + | + | + | + |
| MUS 100 | Fundament of Music | | D | | D |
| MUS 103 | Chorus | E | E | E | E |
| MUS 106 | Gospel Choir | + | + | + | + |
| MUS 107 | Concert Band | E | E | E | E |
| MUS 113 | Music Ensemble | D | D | D | D |
| MUS 114 | Class Piano I: Intro | D | D | D | D |
| MUS 117 | Class Voice I | D | D | D | D |
| MUS 118 | Guitar Class I | D | D | D | D |
| MUS 120 | Intro to Music | D | D | D | D |
| MUS 130 | Music Cultures of the World | D E | D E | D E | D E |
| MUS 205 | Theory of Music I | D | | | |
| MUS 206 | Theory of Music II | | D | | |
| MUS 214 | Class Piano II: Inter | D | D | D | D |
| MUS 215 | MUS Lab (1 cr) | D | | | |
| MUS 216 | MUS Lab (1 cr) | | D | | |
| MUS 217 | Class Voice II | D | D | D | D |
| MUS 218 | Guitar Class II | D | | D | |
| MUS 235 | Music History Suvey I | D | | D | |
| MUS 236 | Music History Survey II | | D | | D |
| MUS 250 | Electronic Music I | D | D | D | D |
| MUS 302 | American Popular Music | | | D | |
| MUS 304 | Music of the 20th Century | | | D | |
| MUS 308 | Opera | D | | | |
| MUS 310 | Music in America | | | | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|----------------------------------|---------|-----------|---------|-----------|
| MUS 314 | Folk Music | | D | | |
| MUS 317 | Class Voice III | E | | E | |
| MUS 330 | Korean Music & Culture | | D | | |
| MUS 350 | Electronic Music II | | D | | D |
| MUS 356 | Individual Music Introduction | * | * | * | * |
| MUS 370 | Mus in Elem Clrm I | D | D | D | D |
| MUS 395 | Practicum in Music | * | * | * | * |
| MUS 456 | Individual Music Introduction | + | + | + | + |
| MUS 480 | Independent Study | * | * | * | * |
| MUS 495 | Internships in Music | * | * | * | * |
| NES 200 | Intro to NE Studies | D | | D | |
| NES 250 | see HIS 250 | | | | |
| NES 315 | Field Stud Hist NE | + | + | + | + |
| NES 342 | Literature of New England | + | + | + | + |
| NES 343 | Folklore & Folklife of NE | + | + | + | + |
| NES 400 | Sem in NE Studies | * | * | * | * |
| ORG 508 | Intro to Organizational Research | E | | E | |
| ORG 536 | Crit Thnk, Prob Solv & Mgt Proc | E | | E | |
| ORG 437 | Small Group Dynamics in Org | E | | E | |
| ORG 570 | Organizational Capstone Seminar | E | E | E | E |
| ORG 631 | Intro to Network Organization | + | + | + | + |
| ORG 632 | LANS, MANS & Internetworking | + | + | + | + |
| ORG 633 | Network Mgmt & Admin | + | + | + | + |
| ORG 634 | Network Analysis & Design | + | + | + | + |
| ORG 637 | Wks Interper Skills Mgt Effect | * | * | * | * |
| ORG 670 | Workshop | + | + | + | + |
| ORG 672 | Leadership Contemp Org | E | E | E | E |
| ORG 675 | Seminar | + | + | + | + |
| ORG 695 | Grad Intership | * | * | * | * |
| ORG 696 | Research & Rdngs | * | * | * | * |
| ORG 698 | Thesis I | * | * | * | * |
| ORG 699 | Thesis II | * | * | * | * |
| PAR 160 | Intro to Performing Arts | D | D | D | D |
| PAR 365 | Topics: Performing Arts | + | + | + | + |
| PAR 460 | Topics in Performing Arts | | D | D | D |
| PAR 480 | Ind Study in Performing Arts | * | * | * | * |
| PAR 487 | Projects in Performing Arts | * | * | * | * |
| PHI 120 | Pers in Philosophy | D | D | D | D |
| PHI 200 | Peace & Human Rights | D | | D | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|------------------------------|---------|-----------|---------|-----------|
| PHI 210 | Asian Philosophies | D E | E | D E | D |
| PHI 215 | Logical Inquiry | D | E | D | E |
| PHI 220 | Ethics | E | D | D | E |
| PHI 230 | Hist Early West Phi | | | D | |
| PHI 231 | Hist Modern West Phi | | D | | D |
| PHI 235 | Islam | | | | |
| PHI 310 | Phi & Psy Religion | | D | | E |
| PHI 312 | Comparative Mysticism | + | + | + | + |
| PHI 314 | see PSC 314 | | | | |
| PHI 316 | see PSC 316 | | | | |
| PHI 320 | American Philos | | | D | |
| PHI 330 | Existentialism & Phen | | | D | |
| PHI 340 | Philosophy of War | | | | |
| PHI 365 | Topics in Philosophy | D E | | | |
| PHI 400 | Peace & Human Rights Seminar | | E | | E |
| PHI 420 | Philosophy of Science | + | + | + | + |
| PHI 480 | Independent Study | * | * | * | * |
| PHS 101 | Intro of Phys Wrlld | | | | |
| PHS 302 | Sci Tech & Soc Intrgt V | | E | | E |
| PHY 102 | Energy & Sci Methd | D + | D + | D + | D + |
| PHY 204 | Physics I Lect & Lab | D | | D | |
| PHY 205 | Physics II Lect & Lab | | D | | D |
| PHY 208 | Phys w/calc I Lect | D | | D | |
| PHY 209 | Phys w/calc II Lect | | D | | D |
| PHY 217 | Meteorology | | | D | |
| PHY 310 | Heat & Thermodynam | | D | | |
| PHY 320 | Modern Physics | | | | D |
| PHY 360 | Topics in Physics | * | * | * | * |
| PHY 380 | Tutorial in Physics | * | * | * | * |
| PHY 480 | Independent Study | * | * | * | * |
| PSC 110 | Amer Govt & Polit | D E | D E | D E | D E |
| PSC 140 | Intern Relations | D E | D E | D E | D E |
| PSC 200 | St & Local Pol & Gov | D | | | |
| PSC 205 | Public Administration | + | + | + | + |
| PSC 208 | Comparative Politics | | | E | |
| PSC 210 | Research Methods | D | D | E | D |
| PSC 212 | Political Science Statistics | + | + | + | + |
| PSC 215 | Polit Parties & Elec | | D | | |
| PSC 216 | Interest Groups | | | E | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|----------------------------------|---------|-----------|---------|-----------|
| PSC 220 | Democratic Theory | | | | D |
| PSC 225 | Organizational Theory | D | | | |
| PSC 227 | Women & Politics | | | D | |
| PSC 230 | Mid East Politics | | | D | |
| PSC 235 | European Pol I | | | | E |
| PSC 240 | Latin Amer Politics | | E | | |
| PSC 250 | Asian Politics | | | | |
| PSC 265 | Topics in Pol Sci | + | + | + | + |
| PSC 270 | Frmr Soviet Union | | | | D |
| PSC 305 | Comp Public Adm CA/US | + | + | + | + |
| PSC 314 | Mod Soc Pol Thought | | | | E |
| PSC 315 | American Pol Thought | | | D | |
| PSC 316 | Ancient Pol Thought | E | | | |
| PSC 320 | Amer Foreign Policy | | | | D |
| PSC 323 | Democratization | E | | | |
| PSC 325 | Pol & Mass Media | D | | | |
| PSC 326 | Pol of Race/Class/Gender | | | D | |
| PSC 330 | Presidency | | D | | |
| PSC 335 | Legislative Politics | | | | D |
| PSC 339 | Const Law, Powers & Processes | + | + | + | + |
| PSC 340 | Constitutional Law | | E | | |
| PSC 341 | Judicial Process | | | E | |
| PSC 345 | Electoral Politics | + | + | + | + |
| PSC 350 | Publ Pol & Decis Making | | | D | |
| PSC 351 | Environmental Polit & Policy | | | E | |
| PSC 355 | Nuc Thre/Peace for Chng | | | | D |
| PSC 365 | Topics in Pol Sci | * | * | * | * |
| PSC 460 | Seminar in Political Science | E | E | D | E |
| PSC 480 | Independent Study | * | * | * | * |
| PSC 490 | Intern Municip Govt | * | * | * | * |
| PSC 491 | State Govt Internship | * | * | * | * |
| PSC 492 | Law Internship | * | * | * | * |
| PSC 493 | Nat'l Govt Internship | * | * | * | * |
| PSC 494 | International Internship | * | * | * | * |
| PSC 495 | State/Local Law Internship | | D | | D |
| PSC 496 | Washington Center Internship | * | * | * | * |
| PSY 100 | General Psychology | D E | D E | D E | D E |
| PSY 101 | Introduction to Psychology Major | | DE | D | DE |
| PSY 202 | Social Psychology | D | D | D | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|---------------------------------|---------|-----------|---------|-----------|
| PSY 203 | Groups and Teams | | D | | D |
| PSY 204 | Psych of Infant and Toddler | | D | | D |
| PSY 205 | Learning I: Behav Mod | D E | D | D | D |
| PSY 206 | Psych of Childhood | D E | D | D | D |
| PSY 207 | Mental Retard I | E + | E + | E + | E + |
| PSY 208 | Psych of Adolesc | D | | D | |
| PSY 210 | Psych of Adult Devel | | D | | D |
| PSY 217 | Research Methods I | D | D E | D E | D |
| PSY 227 | Behav Sci Stats | D E | D | D | D |
| PSY 300 | Educat Psychology | E | | D | |
| PSY 301 | Abnormal Psych | D | | D | |
| PSY 302 | Psychopath of Childhood | D E | D | D | D |
| PSY 303 | Psychol of Work | D | D | E | D |
| PSY 304 | Job Satisfaction & Motivation | | | D | |
| PSY 305 | Leadership in Organization | | D | | |
| PSY 306 | Cognitive Psychology | D | D | D | D |
| PSY 308 | Psychology of Soc Chnge | + | | + | |
| PSY 315 | Psychology of Gender | D | D E | D | D |
| PSY 318 | Sensation & Percept | | D | | D |
| PSY 320 | Theory of Person | D E | | D | |
| PSY 322 | Human Sexuality | D | | D | |
| PSY 325 | Health Psychology | | D | | D |
| PSY 327 | Research Methods II | D E | D E | D | D |
| PSY 330 | Evolutionary Psychology | D | | D | |
| PSY 402 | Current Research in Child Psych | D | D | D | D |
| PSY 403 | Seminar in Diversity at Work | | | | D |
| PSY 404 | Measuring Work Behavior | + | + | + | + |
| PSY 407 | Learn II: Theories & Issues | D | D | D | D |
| PSY 410 | Current Research in Psych | + | + | + | + |
| PSY 410 | Psych Tests & Measure | D | D | D E | D |
| PSY 418 | Physiologic Psych | | D | | D |
| PSY 419 | Hist & Sys of Psych | D | D | D | D |
| PSY 430 | Human Neuropsychology | D | | D | |
| PSY 450 | Clinical & Counseling | | D | | D |
| PSY 460 | Seminar in Psych | + | + | + | + |
| PSY 480 | Independent Study | * | * | * | * |
| PSY 490 | Internships | * | * | * | * |
| PSY 496 | Ment Health Group | * | * | * | * |
| PSY 497 | Ment Health Field | * | * | * | * |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|-----------------------------------|---------|-----------|---------|-----------|
| PSY 498 | Research | * | * | * | * |
| PSY 505 | Psych Assess Tech | + | + | + | + |
| PSY 506 | Thrs Intvwng & Cns | + | + | + | + |
| PSY 507 | Ind & Org Psych | + | + | + | + |
| PSY 508 | Social Psych | + | + | + | + |
| PSY 538 | Train & Develop in Org | + | + | + | + |
| PSY 560 | Seminar | + | + | + | + |
| PSY 580 | Independent Study | * | * | * | * |
| RLA 513 | Proc Dev Tch Rdgn | E | | E | |
| RLA 514 | Proc Dev Tch Wrtng | | E | | E |
| RLA 515 | The Early Years | | E | | E |
| RLA 516 | Mid Sec Cont Appl | E | | E | |
| RLA 517 | Lng Art I Asgn Cor | E | | E | |
| RLA 518 | Adv Asng Cor Prob | | E | | E |
| RLA 519 | Rdng Lng Art C1 ED | + | + | + | + |
| RLA 521 | Org Adm Sup R/L Pr | + | + | + | + |
| RLA 522 | Rdg Lng Arts Con I | + | + | + | + |
| RLA 523 | Rdg Lng Arts Cons II | + | + | + | + |
| RLA 524 | Child Lit-Iss Appr | E | + | E | + |
| RLA 526 | Adv Child Lit | + | E | + | E |
| RLA 527 | Multicul Lit for Child & YA | + | E | + | E |
| RLA 528 | Lit for Middle Grades | + | E | + | E |
| RLA 529 | YA Lit in High School | + | + | + | + |
| RLA 555 | Trends & Issues in Read/Lang Arts | + | E | + | E |
| RLA 670 | Workshop | + | + | + | + |
| RLA 675 | Seminar | + | + | + | + |
| RLA 695 | Grad Internship | * | * | * | * |
| RLA 696 | Research & Rdngs | * | * | * | * |
| RLA 698 | Thesis I | * | * | * | * |
| RLA 699 | Thesis II | * | * | * | * |
| SCI 530 | Astronomy | + | + | + | + |
| SCI 531 | Nat Sci Integ View | + | + | + | + |
| SCI 600 | Strdshp Fld Ecol | + | + | + | + |
| SLM 240 | Intro: Rec/Leis | D | D | D | D |
| SLM 313 | Sport Physiology | | | | |
| SLM 320 | Entrepreneurship | D | D | D | D |
| SLM 330 | Facilities Management | D | D | D | D |
| SLM 333 | Intro. Therapeutic Rec. | + | + | + | + |
| SLM 340 | Exercise Testing | D | D | D | D |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|--------------------------------|---------|-----------|---------|-----------|
| SLM 350 | Fitness Teaching | D | D | D | D |
| SLM 363 | Issues & Trends | + | + | + | + |
| SLM 365 | Worksite Health Prom. | + | + | + | + |
| SLM 375 | Exercise Management | + | + | + | + |
| SLM 385 | Behav Asp of Lifelng Phys Act | | | | |
| SLM 480 | Independent Study | D | D | D | D |
| SLM 490 | Univ Internship-Sport Mgt | D | D | D | D |
| SLM 491 | Pro Internship-Sport Mgt | D | D | D | D |
| SLM 495 | Univ Internship-Health Fit | D | D | D | D |
| SLM 496 | Pro Internship-Health Fit | D | D | D | D |
| SOC 100 | Intro to Sociology | D E | D | D E | D |
| SOC 101 | Criminal Justice & Society | E | E | E | E |
| SOC 107 | Social Problems | D E | D E | D E | D E |
| SOC 200 | Personal & Soc Struct | D | D | D | D |
| SOC 208 | Gay, Lesbian & Bisexual Lives | D | | D | |
| SOC 209 | Juvenile Delinquent | D | | D | |
| SOC 212 | Marriage & the Family | | | D | |
| SOC 220 | Sociology of Corrections | D | | D | |
| SOC 240 | Soc. Of Gender | E | | D | |
| SOC 250 | Social Inequality | D | D | D | D |
| SOC 275 | Sociology of Globalization | | D | | D |
| SOC 300 | Sociology Theory | D | D E | D | D E |
| SOC 301 | Qualitative Methods | | | | D |
| SOC 307 | Deviance | | E | | D |
| SOC 310 | Women and Crime | | D | | D |
| SOC 312 | Soc of Ment Illness | | | | D |
| SOC 325 | Law and Society | D | | D | |
| SOC 330 | Alternative Dispute Res | + | + | + | + |
| SOC 340 | Sociology of Religion | | | | |
| SOC 344 | Substance Abuse | D | D | D | D |
| SOC 347 | Black Women's Studies | | D | | D |
| SOC 350 | Methods of Soc Research | D E | D | D E | D |
| SOC 351 | Statistics for Social Research | D | E | D | E |
| SOC 355 | Latin Amer Str, Chnge | D | | D | |
| SOC 356 | America Latina | | D | | D |
| SOC 360 | Group Dynamics | D | | | |
| SOC 375 | Practicum | D | D | D | D |
| SOC 400 | Senior Seminar | D E | D | D E | D |
| SOC 465 | Studies in Social | + | + | + | + |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|------------|---------------------------------|---------|-----------|---------|-----------|
| SOC 480-81 | Independent Study | * | * | * | * |
| SOC 490-93 | Internships | * | * | * | * |
| SPA 110 | Intro to Spanish I | D E + | + | D E + | + |
| SPA 111 | Intro to Spanish II | + | D E | + | D E |
| SPA 113 | Career Spanish I | + | | + | |
| SPA 114 | Career Spanish II | | + | | + |
| SPA 210 | Interm Spanish I | D E | | D E | |
| SPA 211 | Interm Spanish II | | D E | | D E |
| SPA 213 | Cont Span/Careers I | + | | + | |
| SPA 214 | Cont Span/Career II | | + | | + |
| SPA 310 | Adv. Spanish I | D E | | D E | |
| SPA 311 | Adv. Spanish II | | D E | | D E |
| SPA 315 | Span for Span Speak | D | + | D | + |
| SPA 316 | Spanish Civilization | E | | E | |
| SPA 318 | Latin Amer Civ | | E | | E |
| SPA 320 | Spanish Lit I | D | | D | |
| SPA 321 | Spanish Lit II | | D | | D |
| SPA 323 | Latin Amer Lit | D | E | D | E |
| SPA 356 | Amer Lat: Estructura Camb Y Des | D | | D | |
| SPA 365 | Topics in Hisp Studies | * | + | * | * |
| SPA 401 | Phonetics | | E | | E |
| SPA 402 | Syntax | + | | + | |
| SPA 430 | Methods/Teach Fr Lang | + | E | + | E |
| SPA 480 | Independent Study | * | * | * | * |
| SPA 490 | Internship in Spanish | * | * | * | * |
| SPA 492 | Directed Study | * | * | * | * |
| SPA 495 | Field Experience | * | * | * | * |
| SWK 200 | Intro Social Work | D E | D | D E | D |
| SWK 245 | Aging | E | | E | |
| SWK 300 | Community and Organizations | | D | | D |
| SWK 311 | Soc Env & Hum Behav | D | | D | |
| SWK 312 | Hum Behav in Soc Env | D | D | D | D |
| SWK 320 | Ind. & Family | D | | D | |
| SWK 325 | Soc. Welf. Policy | D | | D | |
| SWK 330 | Research for SWK I | D | | D | |
| SWK 333 | Research for SWK II | | D | | D |
| SWK 344 | Substance Abuse | D | D | D | D |
| SWK 350 | Field Instr. | D | | D | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------|-------------------------------|---------|-----------|---------|-----------|
| SWK 365 | Special Topics | | * | | * |
| SWK 369 | Gambling Problems | * | * | * | * |
| SWK 420 | Group and Organization | | DE | | DE |
| SWK 450 | Field Instr. II | | D | | D |
| SWK 475 | SWK Senior Seminar | | D | | D |
| SWK 480 | Special Topics | * | * | * | * |
| SWK 492 | Internship | * | * | * | |
| THE 170 | Intro Theatre Arts | D E | D | D E | D |
| THE 171 | Improvisational Theatre | D | | D | |
| THE 174 | Stage Voice | | D | | |
| THE 175 | Stage Combat | S | | | D |
| THE 267 | World Theatre History I | D | | D | |
| THE 268 | World Theatre History II | | | | D |
| THE 269 | Asian Theatre & Performance | + | D | + | + |
| THE 270 | Intro to Directing | D | | | |
| THE 271 | Advanced Directing | | D | | |
| THE 272 | Intro to Acting | D | D | D | D |
| THE 273 | Advanced Acting | | D | | D |
| THE 275 | Technical Theatre | D | D | D | D |
| THE 276 | Designing for the Stage | + | + | + | + |
| THE 277 | Computer Drafting | D | * | * | * |
| THE 280 | Light Tech & Design | D | | | |
| THE 281 | Sound Tech & Design | | D | | |
| THE 308 | Playwriting | + | + | + | + |
| THE 360 | Theatre in Elem. Class | | SU | | |
| THE 365 | Topics | * | * | * | * |
| THE 369 | American Theatre | | D | | |
| THE 372 | Period Acting | | | D | |
| THE 373 | Drama Theory & Criticism | D | * | | |
| THE 375 | Contemp World Theatre & Perfo | + | + | + | + |
| THE 376 | Reader's Theatre | | | | D |
| THE 392 | Theatre Practicum mm | * | * | * | * |
| THE 470 | Children's Theatre | D | | | |
| THE 480 | Independent Study | * | * | * | * |
| THE 495 | Internship in Theatre | + | + | + | + |
| WST 208 | see SOC 208 | | | | |
| WST 212 | see SOC 212 | | | | |
| WST 227 | Women & Politics | + | + | + | + |
| WST 228 | see ENG 228 | | | | |

| Number | Title | Fall 08 | Spring 09 | Fall 09 | Spring 10 |
|---------------|--|----------------|------------------|----------------|------------------|
| WST 231 | Women Write From French-Speaking Countries | + | E | + | E |
| WST 240 | see SOC 240 | | | | |
| WST 244 | see HIS 244 | | | | |
| WST 260 | see ENG 260 | | | | |
| WST 266 | see ENG 266 | | | | |
| WST 310 | see SOC 310 | | | | |
| WST 315 | see PSY 315 | | | | |
| WST 317 | see HIS 317 | | | | |
| WST 324 | see MCL 324 | | D * | | |
| WST 347 | see SOC 347 | | | | |
| WST 357 | see ENG 357 | | | | |
| WST 465 | see SOC 465 | | | | |
| WST 480 | Independent Study | * | * | * | * |
| WST 490 | Intern Women's St | * | * | * | * |

Index

- Absence, Leave of
 - Graduate, 374
 - Undergraduate, 52
- Academic Advisement, 43
- Academic Advisement Center, 43
- Academic Assessment, 44
 - Full-time Undergraduate Students, 44
 - Part-time Undergraduate Students, 44
- Academic Policies and Procedures
 - Graduate, 371
 - Undergraduate, 51
- Academic Programs
 - Undergraduate, 3
 - Majors, 3
 - Minors, 4
 - Teacher Certification, 4
 - Graduate, 5
- Academic Records, 63
- Academic Standing, 60
- Academic Support Services, 43
- Academic Warnings Probation, Dismissal, 62
- AccessAbility Services, 43
- Accident Insurance, 37
- Accounting Courses, 281
 - Admission, 281
 - Major, 282
 - Minor, 283
- Adding Courses, 57
- Administration, Eastern, 410
- Administration, Connecticut State University, inside front cover
- Admissions, Graduate, 369, 370
- Admissions, Undergraduate, 7
 - ACT Proficiency Exam, 10
 - Advanced Placement, 11
 - Adult Students, 13
 - Associate Degree Recipients, 13
 - Application Fee, 7, 18
 - Baccalaureate Degree Holders, 16
 - Change of Student Status, 17
 - College-Level Examination Program (CLEP), 12
 - Summer Transition at Eastern Program/Contract Admissions Program (STEP/CAP), 10
 - Credit for Lifelong Learning, 13
- Admissions, Undergraduate, continued
 - Early Admission, 11

- Examining-Out of Course, 12
- Expenses, 18
- Financial Aid, 9
- Freshman Criteria, 9
- Honors Program, 10
- International Students, 15
- Licensed Health Care Professionals, 14
- New England Regional, 12
- Nonmatriculated Students, 17
- Procedures, 7
- Readmission, 16
- Second Baccalaureate, 16
- Transfer of Credit, 13
- Transfer Students, 8
- Veterans, 14
- University-High School Co-op Program, 12
- African American/Third World Studies
 - Minor, 266
 - Courses, 266, 267, 268
- Air Force Aerospace Courses, 76
- Alumni Association, 41
- American Humanics Program, 73
- American Studies, 81
- Anthropology
 - Courses, 234
 - Minor, 234
- Apartments on Campus, 38
- Appeal of Admission Decision
 - Graduate, 370
- Application Fee
 - Graduate, 368
 - Undergraduate, 18
- Application for Degree
 - Graduate, 376
 - Undergraduate, 18
- Archives, 48
- Art: See Visual Arts; Performing Arts
- Art History: See Visual Arts
- Arts & Sciences, School of, 80
- Majors
 - Biochemistry, 101
 - Biology, 83
 - Computer Science, 107
 - English, 120
 - Environmental Earth Science, 137
 - History, 156
 - History and Social Sciences, 159
 - Mathematics, 170
 - Performing Arts, 186

Political Science: Public Policy and
Government, 209
Psychology, 218
Social Work, 241
Sociology, Anthropology and Social Work, 232
Spanish, 177
Visual Arts, 247

Minors

African American/Third World Studies, 266
American Humanics, 73
Anthropology, 234
Art History, 253
Astronomy Outreach and Public Presentation, 205
Biochemistry, 103
Biology, 88
Canadian Studies, 268
Chemistry, 102
Computer Engineering Sciences, 110
Computer Science, 110
Criminology, 233
Digital Art & Design, 254
English, 123
Environmental Earth Science, 142
French, 179
Geographic Information Systems, 142, 270
Geography, 154
Geomorphology, 143
History, 160
Hydrogeology, 144
Latin American Studies, 179, 270
Management Information Systems, 111
Mathematics, 170
Modern Language, 180
Music, 188
New England Studies, 272
Peace & Human Rights, 273
Philosophy, 202
Physical Science, 205
Physics, 205
Pre-Law, 274
Psychology, 218
Public Policy and Government, 231
Sociology, 234
Spanish, 180
Studio Art, 255
Sustainable Energy Studies, 275
Theatre, 188
Women's Studies, 276
Writing, 123

- Associate Degree Program, 13
 - Health Professionals, 14
- Astronomy Courses, 206
 - Minor, 205
- Athletics, Intercollegiate, 63
- Audit Policy
 - Graduate, 372
 - Undergraduate, 59
- Bachelor's Degree Requirements, 54
- Bachelor of General Studies, 370
- Behavior Analysis Certification, 224
- BEST, 331
- Biochemistry, 99
- Biology: 83
 - Courses, 84, 85, 86
 - Undergraduate, 84-99
 - Admission, 84
 - Honors, 88
 - Internships, 89
 - Major, 86, 87
 - Minor, 88
 - Special Programs, 88, 89
- Board of Trustees, inside front cover
- Board Rate, 19
- Bookstore, 40
- Business Administration
 - Courses, 281
 - Graduate, 393
 - Undergraduate, 281, 303
 - Honors, 289
 - Major, 281, 286
 - Minor, 283, 289, 299, 300
- Business Information Systems
 - Courses, Undergraduate, 297
 - Major, 297
 - Minor, 299
- Calendar, University, 2
- Campus Ministry, 40
- Campus Map, inside back cover
- Canadian Studies, 268
 - Courses, 268, 269, 270
 - Minor, 268
- Capstone Seminar, Graduate Permission to Enroll, 375
- Card Services, 39
- Career Services, Office of, 32
- Center for Connecticut Studies, 48
- Center for Educational Excellence (CEE), 49
- Certification
 - Graduate, 386

- Undergraduate, 17
- Change of Major, 55
- Change of Status, 17
- Chase, David T. Free Enterprise Institute, 49
- Chemistry, 99
 - Courses, 103-106
 - Minor, 102,103
- Child and Family Development Resource Center, 43
- Chinese, 185
- Cognitive Neuroscience Individualized Major, 224
- College Level Examination Program (CLEP), 12
- Commencement, 62,64
- Commencement Honors, 62
- Communication, 304
 - Courses, 307
 - Graduate, 401
 - Courses, 304, 308-314
 - Undergraduate, 304
 - Admission, 304
 - Major, 304
 - Minor, 308
- Community Outreach, 34
- Community Service, 34
- Compliance Statement, ix
- Comprehensive Examinations, 372
- Computer Science, 107
 - Cooperative Education, 111
 - Courses, 111-119
 - Facilities, 112
 - Major, 107
 - Minors, 111
- Computer Engineering Sciences, 110
- Computing Resources, 45
- Connecticut State University, inside front cover
- Connecticut Studies, David M. Roth Center for, 48
- CONSULS, 46,47
- Continuing Education, School of, 360
 - Associate in Science Degree, 365
 - Bachelor of General Studies Degree, 362
 - Credit for Lifelong Learning, 361
 - Degree for Health Care Professionals, 363, 364
 - Fees, 26, 370
 - Office of Professional Development, 365
- Cooperative Education Program, 33
- Cooperative Programs
 - Undergraduate, 75
 - Library Science and Instructional Technology, 75
- Counseling Services, 31
- Course Changes or Cancellations, 57

Course Offerings, Projected Schedule, 429-460
Course Load, Undergraduate, 56
Courses: Adding, Dropping, Withdrawal, 57, 58
Credit/No Credit Courses, 58, 59
Credits Earned Outside Eastern, 13
Credit for Lifelong Learning Program, 13
Criminology
 Minor, 233, 234
CSU Pluralism Statement, ix

Dance Courses, 200
DANTES, 13
Dean's Distinction, 62
Degree Programs
 Graduate, 368, 369
 Undergraduate, 66
Degree Requirements
 Associate Degree, 54
 Bachelor Degree, 51, 54
 Bachelor of General Studies Degree, 54
Dental Hygienists, Admission of, 14
Departments
 Biology, 83
 Business Administration, 289
 Communication, 304
 Economics, 314
 English Language and Literature, 120
 Environmental Earth Science, 137
 History, 156
 Health and Physical Education, 344
 Modern and Classical Languages, 177
 Performing Arts, 186
 Physical Sciences, 205
 Psychology, 218
 Sociology, Anthropology and Social Work, 232
 Visual Arts, 247

Diplomas, 64
Disability Services for Students, 39
Dormitories: See Residence Halls
Double Major, 55
Dropping Courses, 57

Early Admission, 11
Early Childhood Education Degrees
 Graduate Courses, 379, 381
 Undergraduate Courses, 329, 330, 331
Eastern Connecticut State University Foundation, 42
Economics, 314
 Courses, 314-317, 319

- Honors, 319
- Major, 314, 318
- Minor, 319-323
- Education, 324
 - Admission to Program, 327, 328
 - Courses
 - Graduate, 378,379
 - Undergraduate, 331-343
 - Certification, 330
 - Honors, 336
 - Retention, 328
- Education and Professional Studies, School of, 281
 - Graduate Division, 369
 - Undergraduate
 - Majors
 - Accounting, 284
 - Business Administration, 289
 - Business Information Systems, 301
 - Communication, 304
 - Early Childhood Education, 329
 - Economics, 314
 - Elementary Education, 329
 - Physical Education, 347
 - Sport and Leisure Management, 275
 - Minors
 - Accounting, 283
 - Business Administration, 289
 - Business Information Systems, 301
 - Coaching, 368
 - Communication, 304
 - Economics, 314
 - Health, 348
 - Management Information Systems, 111
 - Physical Education and Sport and Leisure Management, 347
 - Social Informatics, 300
- Elementary Education, 329, 333, 334
- Emeriti, 432
- English Language and Literature, 120
 - Courses, 122,123,125-136
 - Honors, 124
 - Major, 120
 - Minors, 123
 - Writing Requirements, Undergraduate, 123, 124
- English/American Studies, 81,120
- Enrollment Policy, 56
- Environmental Earth Science, 137
 - Courses, 146-155
 - Major, 137

- Minors, 139,142, 143, 144
- Environmental Management and Policy Certificate, 145
- Examining-Out of Course, 12
- Excelsior College Examination, 12
- Exchange of Students Between Institutions in the State System of Higher Education, 53
- Exchange Programs, 78
- Expenses
 - Graduate, 370, 371
 - Undergraduate, 18
- Faculty Directory, 419
- Family Educational Rights and Privacy Act, ix
- Film Courses, 190
- Financial Aid
 - Graduate, 371
 - Undergraduate, 28
- First-Year Program, 74
- Food Service, 39
- Foreign Language Requirements Undergraduate, 9
- Foundation, ECSU, 42
- French
 - Courses, 180
 - Minor, 179
- General Education Requirements,
 - Undergraduate, 66,67,68
- General Studies Degree, 54
- Geographic Information Systems, 270
- Geography Courses, 154, 155
- Geomorphology, 143
- Grade Point System
 - Undergraduate, 373
- Grades Appeal, 373
- Incomplete Report, 373
- Graduate Division, 367
 - Academic Policies, 371
 - Application and Admission, 368, 369
 - Courses
 - Business, 393
 - Communication, 393
 - Early Childhood Education, 378, 379, 394
 - Economics, 393, 394
 - Education, 396-402
 - Organizational Management, 406-408
 - Psychology, 408
 - Reading/Language Arts, 403-406

- Degree Programs
 - Early Childhood Education, 379, 380
 - Educational Technology, 379, 380
 - Elementary Education, 381, 382
 - Organizational Management, 390, 391
 - Reading/Language Arts, 382, 383
 - Science Education, 383, 384
 - Secondary Education, 389, 390
 - Financial Aid, 371
 - Graduate Expenses, 370, 371
 - Graduate Assistantships, 371
- Graduation Requirements
 - Associates, 51
 - Undergraduate, 51
- Health and Physical Education, 344
 - Certification, 344
 - Courses, 348-367
 - General Education Requirements, 344,345
 - Major, 346
 - Minors, 347, 348
- Health Professionals, Degrees for, 14
- Health Services, 36
- High School Cooperative Program, 12
- History, 156
 - Courses, Undergraduate, 160-169
 - Major, 156, 157, 158, 159
 - Minor, 160
- History/American Studies, 156
- History and Social Sciences, 158
- Holding Office, Eligibility, 63
- Honors
 - Biology, 88
 - Business, 401
 - Economics, 314
 - Education, 327
 - English, 124
 - Mathematics, 172
 - Dean's Distinction, 62
- Honors: Dean's List, Undergraduate, 61,62
- Honors Program, 71
 - Courses, 71, 72
- Honors Scholars, 71
- Honorary Faculty, 428
- Housing
 - Charges, 19, 20
 - Deposits, 18
 - On-Campus, 19
- Hydrogeology, 144
- I.D. Cards, 39,40

- Incomplete
 - Graduate, 373
 - Undergraduate, 61
- Independent Study, Graduate,
- Individualized Major, 72
- Institute for Sustainable Energy, 56
- Institutional Advancement, Office of, 41
- Instruction Policy, 60
- Insurance
 - Graduate, 370
 - Undergraduate, 37
 - Accident, 37
 - Sickness, 37
- Intent to Graduate, 382
- Intercampus Opportunities, 75
 - ROTC, 75
- Interdisciplinary Courses, General Education
 - Requirements, 387, 388
- Interdisciplinary Minors,
 - African American/Third World Studies, 266
 - Canadian Studies, 268
 - Geographic Information Systems, 270
 - Latin American Studies, 271
 - New England Studies, 272
 - Peace & Human Rights, 273
 - Pre-Law, 274
 - Sustainable Energy Studies, 275
 - Women's Studies, 276
- International Students
 - Admission of, Graduate, 369, 370
 - Admission of Undergraduate, 15
 - Sickness Insurance, 37
- International Study Programs, 78
 - Tropical Biology, 78, 79
 - International Student Exchange, 79
 - Baden-Wurttemberg, Germany Exchange, 79
 - Greece Student Exchange, 79
 - New England/Quebec Student Exchange, 79
 - Summer Study in Alicante, Spain, 79
 - Summer Study in London, U.K., 79
 - United Kingdom Program, 79
- Italian, 185
- Japanese, 185
- Job Match, 29
- Late Fee
 - Graduate, 379
 - Undergraduate, 20
- Latin American Studies Minor, 271
- Learning Center, 45

Leave of Absence
 Graduate, 374
 Undergraduate, 52
 Liberal Arts Core Curriculum, 67
 Library, The J. Eugene Smith, 46
 Library Science and Instructional Technology, 49
 Licensed Practical Nurses, Admission, 14
 Lifelong Learning, Credit for, 13

 Major, Change of, 55
 Double, 55
 Individualized, 56
 Major Programs
 Accounting, 284
 Biochemistry, 103
 Biology, 88
 Business Administration, 289
 Business Information Systems, 301
 Communication, 304
 Computer Science, 110
 Early Childhood Education, 329, 330, 331
 Economics, 314
 English, 123
 English with American Studies, 80, 120, 121
 Environmental Earth Science, 142
 General Studies (B.G.S.), 362
 History, 156
 History/American Studies, 156
 History & Social Sciences, 156, 158
 Library Science and Instructional Technology,
 Mathematics, 170
 Performing Arts, 186
 Physical Education, 347
 Political Science: Public Policy and Government, 209
 Psychology, 218
 Social Work, 241
 Sociology and Applied Social Relations, 235
 Spanish, 177
 Sport and Leisure Management, 346
 Visual Arts, 247
 Management Information Systems,
 Minor, 111
 Map, Campus, inside back cover
 Master of Science Degree, Application and
 Admission, 368-370
 Mathematics
 Courses, 170, 172-176
 Honors, 172
 Major, 170

Mathematics, continued
 Minor, 171
Mathematics Requirement, Undergraduate, 170
Matriculation, Change of Status, 51
Matriculation, Graduate, 375
Meal Plan, 19
Media Services, 49
Medical Insurance
 Graduate, 370
 International Students, 37
 Undergraduate, 37
Military Science Courses, 76
Ministry, Campus, 40
Minor Policy, 265
Minor Programs
 Accounting, 284
 African American/Third World Studies, 266
 American Humanics,
 Anthropology, 234
 Art History, 253
 Astronomy Outreach and Public Presentation, 205
 Biochemistry, 103
 Biology, 88
 Business Administration, 289
 Business Information Systems, 301
 Canadian Studies, 268
 Chemistry, 102
 Coaching, 348
 Communication, 304
 Computer Engineering Science, 110
 Computer Science, 110
 Criminology, 233
 Digital Art & Design, 254
 Economics, 314
 English, 123
 Environmental Earth Science, 142
 French, 179
 Geographic Information System, 270
 Geography, 154
 Geomorphology, 143
 Health, 348
 History, 160
 Hydrogeology, 144
 Latin American Studies, 271
 Management Information Systems, 111
 Mathematics, 170
 Modern Languages, 180
 Music, 188
 New England Studies, 272

Peace & Human Rights, 273
 Philosophy, 202
 Physical Education, 348
 Physical Science, 205, 206
 Physics, 205
 Pre-Law, 274
 Psychology, 218
 Public Policy and Government, 231
 Sociology, 234
 Spanish, 181
 Sport and Leisure Management, 275
 Studio Art, 255
 Sustainable Energy Studies, 275
 Theatre, 188
 Women's Studies, 276
 Writing, 123
 Mission Statement, iv
 Modern and Classical Languages, 177
 Courses, 180-185
 Major (Spanish), 177, 178, 179
 Minors, 179, 180
 Music: See "Performing Arts"
 Music Courses, 187

 National Student Exchange, 78
 New England Regional Student Program, 12
 New England Studies
 Courses, 272, 273
 Minor, 273
 No Credit courses, 58, 59
 Nondegree Students, Graduate Admission,
 Nonmatriculated Students, Admission Undergraduate, 17
 Northeast Connecticut Economic Alliance, 50

 Office of International Programs, Intercultural Center, 41
 Office of Professional Development, 373
 Official Address, 63
 Organizational Management Degree, 390, 391
 Admission, 390
 Courses, 406-408
 Orientation, 31

 Parking Permits, 40
 Payment Due Dates, 20
 Payment Plans, 21
 Performing Arts, 186
 Courses, 190-201
 Major, 186, 187, 188
 Minors, (Music), 188

(Theatre), 188, 189, 190

Philosophy, 202
 Courses, 202, 203, 204
 Minor, 202

Physical Education
 Courses, 348-350
 Major, 348
 Minor, 347
 Teaching Certification, 244

Physical Education Requirements, 247

Physical Science, 205
 Courses, 206, 207, 208
 Minor, 206, 206

Physics, 205
 Courses, 205
 Minor, 206

Pluralism Statement, ix

Police Department, 40

Political Science, 209
 Courses, 213-217
 Major, 209-212
 Minor, 212-213

PRAXIS I, 327, 328

PRAXIS II, 330

President's Message, vii

Probation, 62

Professional Development, 365

Professional Staff, 410

Projected Course Offerings, 2008-10, 429-460

Psychology
 Children and Youth Concentration, 221
 Courses 46
 Graduate, 416
 Undergraduate, 219-222, 225-231
 General Curriculum, 219, 220
 Honor Society, 221
 Major, 218
 Admission, 218
 Minor, 224
 Special Programs, 223

Public Policy and Government, 231
 Courses, 231
 Major, 231
 Minor, 231

Public Safety, 40

Radiological Technologists, Admissions, 363

Rank in Class, 54

Reading/Language Arts Courses, Graduate, 403-406

- Readmission, 16
- Refund Policy, 21
- Registered Nurses
 - Admission, 363, 364
 - Degree Program, 364
- Registration Policies and Procedures, 57
- Repeating Courses, 59

- Reserve Officer Training Corps (ROTC), 75
 - Air Force Aerospace Courses, 75
 - Army ROTC Courses, 77
 - Financial Aid, 28
- Residency Requirements, 52
 - Undergraduate, 52
- Residential Life, 38
 - Apartments, 39
 - Residence Halls, 39
- Respiratory Therapists, Admission, 14
- Rights Reserved Statement, ix

- Safety, Public, 40
- Satisfactory Academic Progress,
- Scholarships, 20
 - Academic Excellence, 30
 - ECSU Competitive, 30
 - ROTC, 75
 - University Honors, 30
- School of Arts & Sciences, 80
- School of Continuing Education, 360
- School of Education and Professional Studies, 280
- Second Baccalaureate Degree, 16
- Secondary Education, 15
- Sickness Insurance
 - Graduate, 370
 - Undergraduate, 37
- Small Business Development Center,
- Sociology and Applied Social Relations Courses
 - Undergraduate, 232
 - Major, 232, 233
 - Minor, 233, 234
- Social Work, 241
 - Courses, 243, 244, 245, 246
 - Major, 243
- Spanish
 - Courses, 182
 - Major, 181
 - Minor, 181

Special Academic Programs, 71
 Honors, 71
 Individualized Major, 72
 Special Enrollment Options, 58
 Sport and Leisure Management
 Courses, 347
 Major, 346
 Minor, 347
 State University Fee
 Graduate, 370
 Undergraduate, 17-20
 Status, Change of, 17
 Summer Transition at Eastern Program/Contract Admissions Program (STEP/
 CAP), 10,11
 Sustainable Energy Studies, 275
 Student Activity Fee, 18
 Student Center, 31
 Student Employment, 29
 Student Rights (FERPA), ix
 Student Services, 31
 Student Teaching, 328
 Substance Abuse Prevention, 34
 Substitutions or Waivers of Major Requirements, 54

 Teacher Education Certification Program, 331
 (See Certification)
 Tests
 Advanced Placement, 11
 College Level Examination Program
 (CLEP), 12
 Credit for Lifelong Learning Program, 13
 DANTES, 13
 Examining - Out of Course, 12
 Excelsior College Examination, 13
 Placement (Academic Assessment), 44
 Scholastic Aptitude (SAT), 7, 10
 Theatre: See "Performing Arts"
 Theatre Courses, 188
 Thesis, Graduate, 376
 Time Limit, Graduate, 376
 Transcript Policy, 63
 Transfer of Admissions Binder, 69
 Transfer of Credit, 69
 Transfer Students, Admission, 69
 Tropical Biology, 78
 Trustees for the Connecticut State University System, inside front cover
 Tuition, 18
 Tuition Waiver (See Waiver of Tuition)
 University Directory, 410-428

University-High School Cooperative Program, 12
University Honors Program, Admission, 71
University of Connecticut Courses (ROTC), 75

Veterans

Admissions, 14, 15
Waiver of Tuition, 14, 15, 27

Visual Arts, 247

Courses, 247-255, 255-264
Major, 247-253
Minor, 255
 Art History, 253, 254
 Digital Art & Design, 254, 255
 Studio Art, 255

Waiver of Academic Requirements, 54, 55

Waiver of Sickness Insurance Fee, 28

Waiver of Tuition

Connecticut National Guard, 27
Educational Grant, Children of Armed Forces Members, 27
Persons 62 or Older, 27
Vietnam Era Veterans and Children of, 27
Veterans, 27

Warning, Academic, 62

Withdrawal from the University, 52

Withdrawal from Courses

Graduate, 385
Undergraduate, 58

Women's Center, 34

Women's Studies

Courses, 277, 278, 279
Minor, 276

Writing Competency Requirements, Program, 70

Writing, Minor, 123

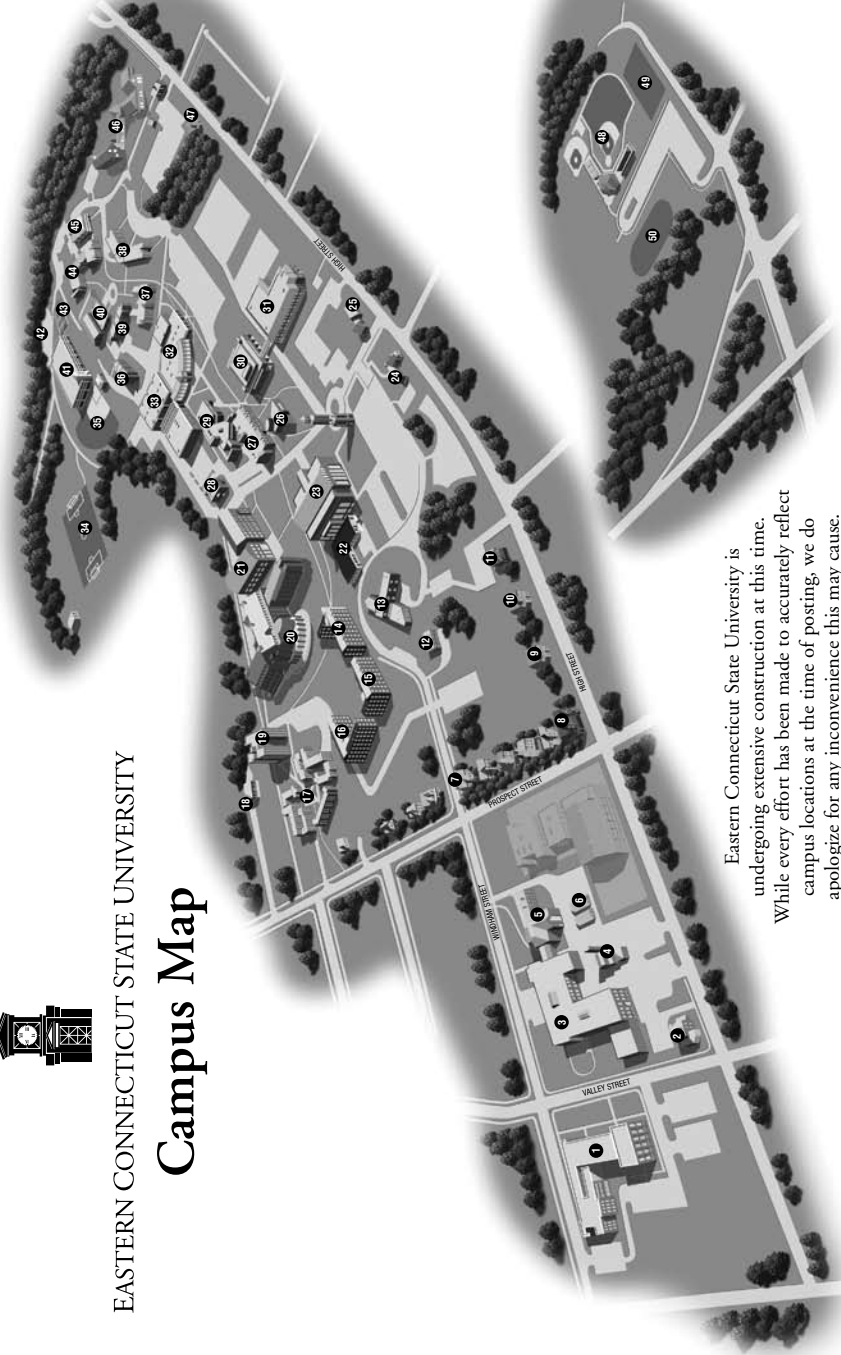
KEY TO SERVICES

| | | |
|---|---|---|
| 24 Admissions Building | 19 High Rise Apartments | 7 333 Prospect Street |
| 42 Arboretum | 11 192 High Street / Counseling Services | 3 Shafer Hall |
| 48 Baseball Field | 47 372 High Street | 20 Science Building |
| 2 Beckert Hall | 40 Hurley Hall / Dining Services | 23 Smith Library |
| 36 Burnap Hall | 12 Interfaith Center | 35 Spector Softball Field |
| 5 Burr Hall | 10 182 High Street | 33 Sports Center |
| 14 Constitution Hall | 15 Laurel Hall | 32 Student Center |
| 39 Crandall Hall | 17 Low Rise Apartments | 43 Tennis Courts |
| 22 Eastern Hall | 44 Mead Hall | 50 Track |
| 45 Facilities Management, Planning & Maintenance | 29 Media Building | 25 University Police |
| 49 Field Hockey Field | 34 Nevers Soccer / Lacrosse Field | 21 Webb Hall |
| 31 Gelsi-Young Hall | 37 Niejadlik Hall | 26 Wickware Planetarium |
| 27 Goddard Hall | 1 Noble Hall | 46 Wilson Child & Family Development Complex |
| 8 Grant House | 16 Nutmeg Hall | 13 Winthrop Hall |
| 6 Greenhouses | 38 Occum Hall | 9 176 High Street |
| 18 Health Services | 41 Parking Garage | 30 Wood Support Services Center |
| 28 Heating Plant, North | | |
| 4 Heating Plant, South | | |



EASTERN CONNECTICUT STATE UNIVERSITY

Campus Map



Eastern Connecticut State University is undergoing extensive construction at this time. While every effort has been made to accurately reflect campus locations at the time of posting, we do apologize for any inconvenience this may cause.