

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, 39 Woodland Street, Hartford, CT 06105-2337

Eastern Connecticut State University

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.

Eastern Connecticut State University MISSION STATEMENT

President's Message

Eastern Connecticut State University is a medium-sized, public university with a heritage of achievement and a distinguished record of caring for students as individuals. The essence of our mission at ECSU is a commitment to the values of a liberal arts education; this governs what is taught in the classroom, the environment beyond the classroom, and the ways in which we relate to one another in an academic environment.

Our purpose is to promote an academic culture which enables each student to acquire the knowledge and skills to lead a fulfilling life in the most rapidly changing period in the history of humankind. We believe that the Eastern culture nurtures, stimulates and rewards learning; that it recognizes undergraduate achievement; and empowers each student to reach full potential.

In the pages of this bulletin you will find detailed and specific information about a diverse set of academic programs at the undergraduate and graduate level, which offer a variety of educational opportunities for students in the academic years 2002-2004. Quality undergraduate education is the overriding priority. To ensure such quality, the institution builds on its strengths in the following areas:

- A talented and energetic faculty dedicated to translating research, scholarship and public service into effective teaching.
- A strong liberal arts orientation throughout all undergraduate programs. Every field of study is built on the assumption that specialization must be accompanied by a thorough grounding in general knowledge, critical thinking, cultural awareness, precise communication and experience in the methods of reasoned inquiry.
- A full range of undergraduate majors in liberal arts and professional studies, which draw from Eastern's full commitment to a multicultural curriculum, state-of-the-art instructional technology, interdisciplinary and international studies.
- Extensive opportunities for students to become active participants in the learning process, both within and beyond the curriculum. Every academic program uses practica, internships and field experiences to help students blend practical experience with theoretical instruction.
- Academic support programs designed to promote the academic success of students. A wide range of support programs and services as well as extracurricular activities and cultural events broaden and enrich the undergraduate experience for students.
- Outreach programs to assist community persons in need.
- Advanced study at the graduate level, including masters degrees and certification programs.

- Superb instructional, computer, media and high technology facilities, as well as ample on-campus residence facilities.

I welcome you with sincere wishes that ECSU will deliver your dream for the future.

David G. Carter, Sr.

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:

Name: Constance Belton Green

Title: Director of Equity and Diversity

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 Regional Director, Office for Civil Rights, U.S. Department of Education, J.W. McCormack, P.O.C.H., Room 222, 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 ECSU Student Handbook and at the Admissions and Registrar's Offices at the University.

CATALOG CURRENT AS OF DECEMBER 31, 2001

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 5,000 full-time and part-time students from every region of the state, over half the states and 30 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 173 acres, is divided into four areas: South Campus, Middle 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. Middle Campus has both classrooms and residence halls and many of the University's counseling services offices. 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 Residential Village. 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.

860-465-5000 1-877-353-ECSU <http://www.easternct.edu>

University Calendar 2002-2004

Fall 2002

August 26	Academic Year Begins
September 2	Labor Day
September 3	Classes begin 8:00 a.m.
November 27-30	Thanksgiving recess – No classes
December 13	Make-up/Reading day
December 14	Saturday classes end (final exams December 21)
December 16-21	Final Exams (Day, Evening and Saturday classes)

Winter Intersession 2003

December 26	Weeklong courses begin at 9:00 a.m.
December 31	New Year's Eve – No classes
January 1	New Year's Day – No classes
January 2	Classes begin
January 17	Classes end at 9:15 p.m.
Spring 2003	
January 13	Official start of Spring semester
January 20	Martin Luther King Day
January 21	Classes begin 8:00 a.m.
February 14	Lincoln's Birthday observed – No classes
February 15	No Saturday classes
February 17	Washington's Birthday observed – No classes
March 24-29	Spring Recess – No classes
May 8-9	Make-up/Reading days
May 10	Saturday classes end (final exams May 17)
May 12-17	Final exams (Day, Evening and Saturday classes)
May 18	Commencement

Summer 2003

Continuing Education Division – Undergraduate Courses

May 19	Weeklong Courses begin
May 26	Memorial Day observed – No classes (Make-up date May 30)
May 27	Session A begins
July 3	Session A ends
July 4	Independence Day – No classes
July 7	Session B begins – Classes begin 8:00 a.m.
July 28	Session C begins
August 14	Sessions B and C end

Graduate Division – Graduate Courses

May 19	Session I begins – Classes begin at 8:00 a.m.
May 26	Memorial Day observed – No classes
June 26	Session I ends – Classes end 10:00 p.m.
June 30	Session II begins – Classes begin 8:00 a.m.
July 4	Independence Day – No classes
August 7	Session II ends – Classes end 10:00 p.m.

Other Programs

June 23 - August 1	CAP/STEP; ConnCAP
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Fall 2003

August 25	Academic Year Begins
September 1	Labor Day
September 2	Classes begin 8:00 a.m.
November 26-29	Thanksgiving recess – No classes
December 12	Make-up/Reading day
December 13	Saturday classes end (final exams December 20)
December 15-20	Final Exams (Day, Evening and Saturday classes)
Winter Intersession 2004	
December 23	Weeklong courses begin at 9:00 a.m.
December 24	Christmas Eve – No classes
December 25	Christmas Day – No classes
December 31	New Year’s Eve – No classes
January 1	New Year’s Day – No classes
January 5	Classes begin
January 19	Martin Luther King Day – No classes (Make-up date January 23)
January 23	Classes end 9:30 p.m.
Spring 2004	
January 20	Official start of Spring semester
January 26	Classes begin 8:00 a.m.
February 13	Lincoln’s Birthday observed – No classes
February 14	No Saturday classes
February 16	Washington’s Birthday observed – No classes
March 22-27	Spring Recess – No classes
May 13-14	Make-up/Reading days
May 15	Saturday classes end (final exams May 22)
May 17-22	Final exams (Day, Evening and Saturday classes)
May 23	Commencement

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 Social Work

Bachelor of General Studies

Associate in Science

Undergraduate Programs

Eastern offers either the Bachelor of Arts (BA), Bachelor of Science (BS) or Bachelor of General Studies (BGS) degree to students who have successfully completed a four -year program of study. The Associate Degree in Science (AS) 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.

Undergraduate Minors

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

Accounting
Anthropology
African American/Third World Studies
Art History
Biochemistry
Biology
Business Administration
Canadian Studies
Chemistry
Communication
Computer Engineering Sciences
Computer Science
Criminology
Cultural Anthropology
Economics
English
Environmental Earth Science
Fine Arts
French
Teacher Certification Programs

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

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

Biology
Earth Science
English
History/Social Studies
Mathematics

Physical Education (K-12)

Graduate Programs

The graduate programs at Eastern are administered by a division of the School of Education and Professional Studies. The Master of Science in Organizational Management, Master of Science in Accounting, Master of Science Programs in Education, and planned programs of fifth year graduate studies for professional certification are programs offered by the Graduate Division.

Programs

Accounting (MS)
Organizational Management (MS)
Education (MS)
Early Childhood Education
Educational Technology
Elementary Education
Reading/Language Arts
Science Education

Graduate Certification

Fields of study include:

Early Childhood Education (N-3)

Elementary Education (K-6)

Undergraduate
Information

UNDERGRADUATE ADMISSION AND ENROLLMENT MANAGEMENT

Kimberly Crone, Director of Admissions and Enrollment Management

Antonio Marrero, Associate Director of Admissions and Enrollment Management

Lura Fellows-Butt, Assistant Director of Admissions and Enrollment Management

Thomas Kane, Assistant Director of Admissions and Enrollment Management

Frederick McCarthy, Assistant Director of Admissions and Enrollment Management

Bernetta Steadman, Assistant Director of Admissions and Enrollment Management

Admission to the University

The requirements for admission to Eastern Connecticut State University are intended to ensure that students offered admission are adequately prepared for their academic program and that they will benefit significantly from their total college experience. Eastern's individualized program of admission ensures that the student's experiences through and since high school are taken into consideration. Appropriate innovative programs and courses taken through non-traditional curricula are also given consideration. Therefore, students who believe they meet the spirit of the University admission program are encouraged to apply.

Application Fee

A non-refundable fee of \$40 is required of all new applicants at the time application for admission is made to the University.

General Admissions Procedures

Prospective adult and part-time students (those who plan to carry less than 12 credits) are encouraged to consult with an advisor in the School of Continuing Education prior to applying for admission.

High school students should apply early in their senior year. Applicants for admission should:

1. Obtain an admission application form from the Office of Admissions at the University or from the secondary school guidance office.
2. Submit the completed application and the non-refundable \$40 application fee. The application fee may be waived if requested by a recognized educational or social service agency.
3. Request that the secondary school, and all post-secondary institutions attended, send an official transcript directly to the Office of Admissions.
4. Ensure that the College Report of scores from the College Entrance Examination Board's Scholastic Aptitude Test (SAT) or American College Test (ACT) are forwarded to Eastern's Office of Admissions. This is normally done when the student registers for the test, but may be requested later on forms supplied by the testing agency. Registration materials for the SATI or ACT examination may be obtained through school guidance offices or by writing directly to the testing centers.
5. Arrange for an interview with the appropriate Admissions officer(s), if requested to do so.

When admitted to the University, and prior to enrollment, students should:

1. Have a family health care provider complete the Medical Examination Form and return it to Health Services at the University (required for all full-time students).

2. 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, Rubeola (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.

3. 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 ECSU receive it prior to their arrival. Students should ask 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. In addition, the Eastern Connecticut State University Financial Aid form must be submitted 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)
- Science, including one year of laboratory science (two years)
- Social Sciences, including U.S. History (two years)
- Foreign Language, classical or modern (two years)

The University’s foreign language requirement ensures that students possess an awareness of another culture and an appreciation of its language. Students who have been admitted to the University without having successfully completed the admission requirement of two years’ work in a foreign language (classical or modern) at the secondary level must complete at least one year of a foreign language (6 credit s) at Eastern.

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. All 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 Office of Admissions. See General Admission Procedures for further information.

3. Recommendations from most recent high school or college attended.

4. Interviews are arranged for applicants when requested by the admission staff, but are not generally required for admission.

Applicants are strongly encouraged to visit the campus to obtain application forms or to confer with admission counselors. Students who are coming to campus should make an appointment at least one week prior to their planned visit. Guided tours of the campus can also be arranged 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 General Education Requirements 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 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 full tuition scholarships to all entering freshmen accepted by the University Honors Program. Transfer and continuing students with a maximum of 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.

Admission to the Contract Admission Program (CAP)

The Contract Admissions Program (CAP) is an academic support service coordinated through the Learning Center. The purpose of CAP is to provide a structured learning environment in which students can take at least one year to strengthen academic weaknesses and acquire college-level skills while they prepare for more advanced reading and writing intensive courses in their subsequent years of study. Students chosen for participation must demonstrate special qualifications—unusually high motivation, academic ability not fairly measured by entering verbal or math achievement scores, a strong sense of responsibility and commitment as shown by their employment, and a concern for others as well as an improved quality of life as shown by community service or participation in high school activities.

All CAP participants must successfully complete a six-week pre-collegiate experience, the Summer Transition at Eastern Program (STEP), before being permitted to enroll in courses for the Fall semester.

Students considered for CAP must meet the following initial criteria:

a. The student must be from an educationally and/or economically disadvantaged background.

b. Parent(s) must not be graduate(s) of four-year college(s).

Qualified students are chosen on the basis of:

1. Application for regular admission and completion of a screening process.

2. Personal interview with a representative of the Learning Center's CAP Admissions Committee to assess any special qualifications and potential as a college student.

3. Signing of a performance contract with the Learning Center. Students contract to use the full range of support services offered by the Learning Center.

The Center agrees to provide the following kinds of support:

1. Reservation of places in developmental courses, as needed.

2. Tutorial help as required.

3. Personal and academic counseling when needed.

4. Monitoring student progress toward a degree throughout four years; if required, through completion of a degree.

Further eligibility for application is based on stated criteria without regard to gender, ethnicity, race or religious background of candidate.

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 and the University. At the completion of this course of study, the high school will grant a high school diploma to the student.

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:

Biology

History

Chemistry

Human Geography

Computer Science

Latin

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 better 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, consult 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	Open to Residents of Maine Rhode Island
Environmental Earth Science	Massachusetts Rhode Island
Sociology and Applied Social Relations	Maine Massachusetts New Hampshire Rhode Island Vermont

Examining-Out of Course

The University recognizes the College -Level Examination Program (CLEP) and American College Testing Program (ACT) results, and/or the College Entrance Examination Board (CEEB) Advanced Placement test results as a suitable basis for examining -out for credit.

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

Humanities

Mathematics

Natural Sciences

Social Sciences and History

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, Burr 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 examination (s). The program offers college-level exams in the arts and sciences, criminal justice, business, education, and health.

Interested students should 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

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.

Admission of Transfer Students

Eastern welcomes students who wish to transfer from accredited colleges. Acceptance is based primarily on the academic record of the student at the colleges attended.

Application for transfer should be made as early as possible. At least one semester prior to the date of transfer is the recommended minimum.

Transfer students will be considered for admission upon presentation of the following:

1. An application for admission with a non-refundable \$40 application fee
2. Official transcript(s) from previous college(s) attended
3. Secondary school transcript or GED
4. A personal interview with an admissions counselor may be required
5. Transfer students with acceptable academic records at other accredited colleges and universities may not need to submit the College Entrance Examination Board Scholastic Aptitude Test (SAT) or American College Test (ACT) scores.

Transfer of Credit

After a transfer student is admitted to Eastern, prior academic work taken at accredited institutions is evaluated by the Office of Admissions and the results are forwarded to the student. Transfer applicants without associate degrees will receive credit in transfer for grades of "C-" or better in courses applicable to degree programs at Eastern. A copy of the catalog from previous colleges attended, appropriately marked to indicate courses completed and courses in progress, may be required to evaluate transfer credits.

Transfer credits are not calculated in a student's cumulative grade point average at Eastern. All questions concerning transfer of credit should be referred to the Office of Admissions.

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 BGS 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 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 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 nontraditional learning may be awarded to an individual student.

Admission of International Students

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) score of at least 550 on the paper version, or 213 on the computer version, is required for admission.

Admission of International Students on F-1 Visa

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:

1. A completed application for admission and a non-refundable \$40 (U.S.) application fee must be forwarded to the Office of Admissions.
 2. 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.
 3. 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.
 4. Students whose native language is other than English are required to:
 - a. Submit the official score report from the Test of English as a Foreign Language (TOEFL). Students must obtain a score of at least 550 on the paper version or 213 on the computer version to be considered for admission.
 - b. As an alternative to taking the TOEFL, international students residing in the United States may show evidence of having completed level 109 at an official English Language School (ELS) Language Center. The ELS Language Center must forward an official score report to the Office of Admissions; or
 - c. The Scholastic Aptitude Test (SAT) or American College Test (ACT) may be substituted as an alternative to the TOEFL exam. The official score report must be forwarded directly to the Office of Admissions.
 5. Two letters of recommendation from school officials at the institution(s) last attended must also be forwarded to the Office of Admissions.
 6. Students must take a full-time course load (at least 12 credits) each semester at the University.
 7. In addition to the above requirements, the Office of Admissions must be provided with a financial statement proving financial responsibility for four years of college. Financial documentation provided to the U.S. Immigration Service is acceptable.
- Only originals 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, is actually admitted, and submits the \$150 non-refundable tuition deposit.

Eastern does not offer financial assistance to non-immigrant international students. 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.

Newly admitted students holding Visas other than an F-1 should consult directly with the Financial Aid Office concerning the availability of financial aid.

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 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. 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

Baccalaureate degree holders from Eastern Connecticut State University or another regionally accredited college or university wishing to earn a second baccalaureate must complete all requirements for the additional degree. A minimum 30-credit residency, subsequent to the award of the first baccalaureate degree, with at least 15 credits of the major completed at Eastern, is required.

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

Eastern Connecticut State University undergraduate students may complete two baccalaureate degrees simultaneously. A minimum 150 earned credits is required. A minimum 60-credit residency with at least 15 credits in each major completed at Eastern is required. The student must indicate which degree is to be noted on the diploma.

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.

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 2002 and Spring 2003 academic year.

Application Fee

A non-refundable fee of \$40.00 is required of all new students and is payable at the time of application for admission.

Tuition and Fees (per semester)

	Connecticut Resident	Out-of-State Resident
Tuition (12 or more semester hours)	\$1,156.50	\$3,742.50
State University Fee	353.00	868.00
University General Fee	558.00	558.00
Student Activity Fee	60.00	60.00
Information Technology Fee	100.00	100.00

Tuition and Fees* \$2,227.50 \$5,328.50

* 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	\$2,227.50
New England Regional Student Program	578.50
Tuition and Fees*	\$2,806.00

* Plus Sickness Insurance as specified below.

Sickness Insurance Fee (annual) \$ 376.00

For students entering in the spring semester, the sickness insurance fee is \$188.00.

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

Housing Rates (per semester)

Assignment to residence halls and apartments is made by the Housing Office. Room rates include telephone service hook-up.

Residence Hall Rates (per student, per semester)

One student per room	\$2,520.00
Two students per room	1,768.00
Three students per room	1,701.50
Four students per room	1,627.50
Apartment Rate (per student, per semester)	
Noble Hall - single	\$3,172.00
- all other	2,290.00
Windham Street Apartments - single	3,087.50
- all other	2,227.50
Occum Hall - single	2,587.50
- all other	1,868.00
Suite (per student, per semester)	
Niejadlik Hall	\$2,255.50
Mead Hall	2,165.00
Board Rate (per semester)	
10-meal plan	\$1,015.00

Required of all students living in Occum Hall, optional for students living in apartments or residing off campus. Occum Hall residents may opt for the 14 - or 19-meal plan in lieu of the required 10-meal plan.

14-meal plan	\$1,410.00
19-meal plan	\$1,457.00

All students living in residence halls and freshmen assigned to any apartment complex are required to participate in the 14-meal plan. Optional for students living in apartments or residing off campus.

Any student living in an apartment or residing off campus may select any of the board plans.

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.

Binders and Deposits

The following non-refundable tuition binder and housing deposit will be billed:

Admissions Binder (Non Refundable) \$ 150.00

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

Housing Deposit (Non Refundable) \$ 100.00 per term

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 \$100.00.

Miscellaneous Student Expenses

Students furnish their own textbooks, notebooks, writing implements and art supplies. Approximately \$400 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. ECSU recognizes the need of students to manage the payment of tuition and fees effectively. To meet this need, ECSU has established a relationship with Academic Management Services (AMS), a 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 AMS.

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.

Application Fee	Upon Submission of Application	Non-refundable
Confirmation Deposit (UG/G) \$150 (applied to Tuition/Fees)	May 1 or within 15 days of invoicing thereafter	Non-refundable
Tuition and Fees	Fall Semester not later than August 1	Upon withdrawal from the University up to and including the first day of university -wide classes as defined by the published university
	Spring Semester	

	not later than January 2	calendar, 100% of the amount paid will be refunded; 60% of the balance will be refunded during the first two weeks of university-wide classes, 40% of the balance during the third and the fourth weeks of university-wide classes, No refund after the fourth week of university-wide classes.
Housing Deposit \$200	Fall Semester not later than April 1 Spring Semester not later than November 1	Non-refundable
Housing Fee – (applies to students who withdraw from the University)	Fall Semester not later than August 1 Spring Semester not later than January 2	Upon withdrawal from the University up to and including the first day of university-wide classes as defined by the published university calendar, 100% of the balance paid less the housing deposit will be refunded, 60% of the balance will be refunded during the first two weeks of university-wide classes, 40% of the balance during the third and fourth weeks of university-wide classes, no refund after the fourth week of university-wide classes.
(applies to students who remain enrolled, but withdraw from University housing)		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% of the balance paid less the housing deposit and the housing cancellation fee, if applicable, will be refunded.

Housing Cancellation Fee
(applies to students who remain enrolled, but withdraw from University housing)

Fall Semester and
Spring Semester

No refunds will be made after the beginning of university -wide classes.

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 10% housing cancellation fee based upon the housing fee after deducting the housing deposit will be assessed.

Upon withdrawal from a residence hall 1 to 14 days prior to and including the first day of university -wide classes, a 20% housing cancellation fee based upon the housing fee after deducting the housing deposit will be assessed.

Food Service Fee

Fall Semester
not later than August 1

Spring Semester
not later than January 2

Refundable, on a prorated basis, upon withdrawal from university housing or the University. Full weeks will be used to pro rate.

Extension and Summer/
Winter Sessions –
Registration

Fall, Spring, Summer
and Winter Sessions
Fee

Non-refundable

Extension and Summer/
Winter Course Fees

Fall and Spring Semesters–
Courses greater than eight
weeks in length

100% refund through the first week of university-wide classes as defined by the published university calendar.

50% refund during the second and third weeks of university-wide classes.

No refund after the third week of university -wide classes

Summer/Winter Sessions–
Courses greater than eight

100% refund prior to the second class meeting.

	weeks in length	50% refund prior to the third class meeting. No refund after the third class meeting.
	Fall, Spring, Summer, and Winter Sessions—Courses three weeks to eight weeks in length	100% refund prior to the second class meeting. 50% refund prior to the third class meeting. No refund after the beginning of the third class meeting.
	Fall, Spring, Summer, and Winter Sessions—Courses less than three weeks in length	100% refund prior to the second class meeting No refund after the beginning of the second class meeting
OnlineCSU On-Line Fee**	Upon Registration	Non-refundable.
OnlineCSU Course Fee**	Semesters nine weeks or longer in length	100% refund through the end of the first week 50% refund through the end of the third week No refund after the third week
	Semesters three to eight weeks in length	100% refund within 24 hours of the first day of the semester or the day the students is activated on line, if later 50% refund within 48 hours of the first day of the semester or the day the student is activated on line, if later No refund thereafter
	Semesters less than three weeks in length	100% refund within the first day of the semester or the first day the student is activated on line, if later No refund after the first day

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

Per credit \$ 200.00

Non-refundable registration fees of \$35.00 are charged once each semester. Certain courses require material fees from approximately \$5 to \$30. Also, credit -hour fees for inter session and summer session courses may differ from fees for courses offered in regular semesters.

Continuing education, intersession, and summer session students should consult current program bulletins for information pertaining to fees, refunds and withdrawal procedures.

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

The admissions binder may be transferred within constituent units of the Connecticut system of public higher education provided enrollment in another unit occurs within sixty days of the beginning of the semester for which the binder 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 binder payment.

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 Affairs 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 Affairs 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 sixty-two 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, 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 Bursars 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.

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 and shall require the signature of the student (or that of a parent or guardian if the student is a minor) and the identification of the carrier and policy number of the alternate insurance. Waivers must be received by the Bursars Office 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 2000-2001, ECSU students received approximately \$17,300,000 in scholarships, grants, loans, and campus employment. About 70 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 15 for the fall semester and by December 15 for the spring semester. 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.

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, or email us at 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. So be aware!

Full-time students must have completed, with passing grades, 24 credits during their most recent twelve months of study at Eastern to continue being eligible for aid. Copies of the 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 are less for part-time students.

Missing credits may be made up in 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 (1-800-635-0120).

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 to various academic and administrative departments. Lists of hiring departments are available at the Financial Aid Office. 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.

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 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 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.

ECSU Competitive Scholarships

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

Student Services

Laura Tordenti, Vice President for Student Affairs and 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 extra-curricular 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 published. 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 Student Center serves as a home away from home for commuter students while providing a variety of services for resident students. The lower level houses the University Bookstore and the offices of the Student Government Association and many other student organizations. The upper level consists of meeting and conference rooms, a game room and a television lounge, a full-service snack bar, and many other services. The offices of the Campus Activity Board, Alcohol and other Drug Support Services, and the Student Center/Student Activities are located on this level as well.

The Student Center not only provides students with the opportunity to meet on an informal basis; it is also the major facility for all club and organization student sponsored activities.

Orientation

Each year an undergraduate orientation program is conducted to acquaint all new students with the aims, resources, policies, and procedures of the University. The program assists students to get to know each other, their student leaders, and the faculty and staff. Aspects of the program, 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

The counseling service 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 problems and many other personal problems. The counseling service is located at the Student Health Service adjacent to Windham Street Apartments High Rise/Low Rise.

Office of AccessAbility Services

The Office of AccessAbility Services (OAS) is available to assist students with disabilities and their special needs. This service is also available to students who may become temporarily disabled because of accident, surgery or other conditions. The Office of AccessAbility Services works with the appropriate agencies and individuals to coordinate services, implement students' programs, and make the transition into University life as smooth as possible. Services include, but are not limited to, assisting with admission, registration, and orientation; providing academic strategies and accommodations; support with adjustment to higher education; consultation with instructors and housing staff; increasing program availability and reducing mobility barriers.

The Office of Career and Experiential Education Services

Career and Experiential Education Services is designed to meet the career counseling and job placement needs of all Eastern Connecticut State University students, from freshman year through graduation. Alumni are also assisted in their search for new or better job 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
- find rewarding employment after college

Programs and Services

- Career Counseling

Clarify career goals, 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.

48-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.

- Employer 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 is available for seniors.

- Career Information Center

Career and employer literature, graduate and professional school catalogs, directories and job market information are among the resources in the Career Information Center located in the library.

- Credential Service

By registering and establishing a credentials file, references will be mailed, upon request, to prospective employers. The credentials file contains a release, resume and several recommendations.

- 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.

To contact Career Services staff, call (860) 465-4559 or refer to our Web page at <http://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 expected.

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 3-12 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 attend a “Resume Workshop,” 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 verification by the Co-op staff. A \$100.00 placement 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 <http://www.easternct.edu/depts/career/>.

Eastern’s Community Outreach (ECO)

Eastern’s Community Outreach provides a central referral network to match members of the college community with community service agencies. It also serves as an advocate for the importance of volunteerism in people’s lives. For more information, call (860) 465-4413.

Women’s Center

The Women’s Center provides educational and support services for both traditional and nontraditional students. These have included symposia, lectures, poetry readings, self-defense workshops, support groups, and Women’s History Month programs. The Center is located at 414 High Street. Call (860) 465-4313 for assistance or information.

Substance Abuse Prevention

CARE (Creating Aware Responsible Energy) is a program designed to promote a safe and caring environment for all students. It is committed to implementing prevention initiatives that help students choose alternatives to drugs and alcohol. For those students who have engaged in high risk behaviors, the program provides intervention and support from both professional staff and peers to change those behaviors.

Services available include:

Individual assessment

Counseling

Referral

Peer advocates

Support group

Reference resources

Health Services

Robert Jennette, M.D., Geeta Pfau, R.N., Ph.D., Dorothy Philips, A.P.R.N., M.P.H.,

Shirley Cooper, Secretary

TEL: 465-5263

FAX: 465-4560

Health Services is located at 185 Birch Street, adjacent to Windham Street Apartments. Health Services welcomes students who have health problems, as well as those with questions and concerns about staying healthy.

Professional staff include a part-time physician, registered nurses, and a nurse practitioner. Students are seen by the nurses and physician on a walk-in basis.

There is no charge for physician or nurse visits. There is a charge for prescribed medications and diagnostic testing. It is the student’s responsibility to apply for reimbursement through personal insurance.

Hours for Health Services are as follows:

8:30 a.m. – 5:00 p.m. Monday – Thursday

8:30 a.m. – 4:30 p.m. Friday

In the event of an emergency, when the Health Service is closed, students may go to the Emergency Department of Windham Community Memorial Hospital, located at 112 Mansfield Avenue in Willimantic. An alternative source of care in the evening and on weekends is the Med-East Walk-In Center, located in Gateway Commons on West Main Street (465-1252). Those students who carry the sickness insurance policy offered through the University will not be required to pay out-of-pocket at the time of service when evaluated at Med-East.

A physical examination for all full-time students must be submitted prior to entering school. Full-time students entering in the Fall will not be allowed to register for Spring semester if they have not completed this requirement. The University requires all full-time students to carry comprehensive medical insurance.

Connecticut state law requirements regarding measles (rubeola) and German measles (rubella) are strictly enforced. All full-time and part-time students born after 1956 must provide documented proof of two doses of measles vaccine: the first must be given in or after 1969, and the second must be after 1/1/80. One dose of German measles vaccine is required. Measles and rubella vaccination (MMR) is available through Health Services for a \$10 fee.

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 ECSU receive it prior to their arrival. Students should ask their health care provider to get the appropriate vaccine.

Accident Insurance

As part of the student fee, all full-time students are covered under an Accident Insurance plan 24 hours a day, on and off campus through August 31, or until full-time enrollment is terminated. Benefits are described in the accident insurance plan.

Sickness Insurance

All full-time students will be automatically enrolled and billed for sickness insurance unless they submit a signed waiver indicating alternative coverage. Sickness insurance claim forms for medical care expenses are available through Health Services. Details of the plan are described in the sickness insurance plan.

Residential Life

A variety of living accommodations is provided for full-time undergraduate students attending Eastern. Every effort is made to provide undergraduate residences that will contribute to comfortable living in an environment conducive to study, personal development, and companionship. It is Eastern's understanding that education extends beyond the classroom, laboratory, or the library into campus residences, dining rooms, and student centers, where the exchange of ideas among students and faculty is an integral part of the educational process. The Residential Life office is located in Room 240 of the Alvin B. Wood Support Services Center. For information, call 465-4641.

Due to space limitations, housing cannot be offered to graduate students or married students. Students enrolled for fewer than 12 credits during the regular academic year who wish housing should inquire in the housing office for availability. Housing may be secured during the summer session. Food service is available on a per semester basis or per meal basis in Hurley Hall.

Campus Residence Halls

The University maintains co-ed residence halls, one women's residence hall, and two suite style halls. A residence hall director with a staff of resident assistants is responsible for the administration of each hall. All rooms are furnished with beds, dressers, wardrobes, desks, and chairs. Each residence hall has lounges and laundry facilities. Students are expected to furnish blankets, pillows, bedspreads, curtains, metal wastebaskets, study lamps, and other personal items according to individual taste.

Students living in residence halls are required to participate in the University 14 -meal plan.

Campus Apartments

Full-time sophomores, juniors, and seniors may live in Noble Hall, Occum Hall, and the Windham Street apartment complexes located on the North, Middle and South Campus. Apartments in all areas consist of a living room, bedrooms, bathrooms, and a kitchen. The apartments are designed to accommodate four to six occupants. A number of single bedrooms are available in the Windham Street apartments only. Although all apartments are equipped with kitchen facilities for meal preparation, students, other than Freshmen, may elect to participate in the University food plan. Any Freshman student living in any apartment complex (including Occum) must participate in the 14 or 19 -meal plan. Other Occum Hall residents are required to participate in the 10-meal plan program.

Campus housing is conveniently located within walking distance of classroom buildings, the dining hall, the library, churches, and the downtown shopping area.

Whenever possible, students are encouraged to select their own apartment mates through the Housing Office.

All resident students are subject to regulations issued jointly by the Housing Office and the Division of Student Affairs. Within the framework of the Residence Outreach Council, each residence unit maintains its own student governing body.

Residence Hall and Apartment Charges

Charges for residence halls, apartments, and food service cover the time the University is in session, but not regularly scheduled vacations and shut-down periods when on-campus housing is closed. Refunds for food service and housing fees are made to students only upon withdrawal from the University.

The University reserves the right to use designated campus housing during Intersession and vacation periods. Advance notice will be given. No refund is made for weekend absences or meals missed. Students who withdraw from the University and who are entitled to a prorated refund of board and housing fees should complete withdrawal forms with the Academic Advisement Center before departure. Students who do not follow this procedure will not receive refunds. Students who withdraw from the residence hall or apartment but remain in school are not granted a room refund. See the section on refunds in this catalog for additional information.

Community Service

Each resident student is required to complete a minimum of four (4) hours of community service each semester in the surrounding Windham or Tolland County communities.

Food Service

All students living in University residence halls – Burnap, Burr (women only), Crandall, Winthrop, Bernice Clark Niejadlik Hall and Luva Mead Hall – are required to participate in the University food plan for either 14 or 19 meals per week. Freshmen students assigned to any apartment complex are required to participate in the 14 or 19 -meal plan. Occum Hall residents, other than Freshmen, are required to take the 10 -meal plan. No exceptions may be made. All students, both full- and part-time, are eligible to participate in the food plan. Students with the required medical authorization for special diets should file such authorization with the University

Health Service. The Health Service will make arrangements with the food service management for preparation of the required diet. Other dietary needs are also accommodated by the food service management.

Any registered student may participate in a meal plan whether housed on or off campus: 10 meals/week; 14 meals/week; 19 meals/week. Call the Card Services Office at (860) 465-5060 for more information or to request a Campus Dining Brochure.

Card Services Office

Registered students may obtain an ECSU Identification card from the Card Services Office located in the Support Services Center. I.D. cards are required for use of the Sports Center, swimming pool, and the Library. Students must apply in person to have an ID photo taken. A course card (schedule) and a photo I.D. (license, passport) are required. I.D. cards may be validated at the Card Services Office or the University Police Department.

Registered students may also participate in ECSU's Cat Card Point Program. This is a prepaid account accessed with the ECSU student I.D. —no need to carry cash. Points are accepted at all food service locations on campus, ECSU Bookstore, laundry machines in the Residence Halls, printing and copy machines at the Library —look for the Cat Card logo. There is a 5 percent discount at food service locations for students using Points instead of cash. Call the Card Services Office 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.

Public Safety

In support of its educational mission, the University maintains its own 24-hour/7days/week state certified Police Department with offices at 264 High Street. Officers and student employees of the University Police Department are primarily concerned with the creation of a safe and secure environment in which faculty, staff, and students may learn, work, and live. Police Department personnel are likewise concerned with meeting the campus community's service needs in a friendly and cooperative manner.

Parking permits, crime prevention pamphlets, and other valuable information may be obtained at the Department of Public Safety.

International Programs Office

The International Programs Office (IPO) exists to plan, implement, evaluate, and improve educational opportunities for students, faculty, and staff. IPO encourages campus constituencies to develop awareness, understanding, and appreciation of global humanities in a public liberal arts learning environment.

IPO assists recruitment and strengthens retention of international students by providing advice on federal immigration regulations and educational opportunities. IPO assists students to study abroad, and faculty to create teaching, learning, and research exchange programs with colleagues around the world.

IPO currently also coordinates the National Student Exchange program that allows ECSU students to study on the campuses of other U.S. higher education institutions, and accepts students from other U.S. institutions to study at ECSU.

Campus Ministry

Canon Robert Brooks, Rabbi Jeremy Schwartz, The Reverends Richard Duval, Donald Hoyle, Laurence A.M. LaPointe, Cheryl Larson Lawing, Alice O'Donovan

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, interfaith 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.

The Eastern Connecticut State University Alumni Association

The Eastern Connecticut State University Alumni Association is a non-profit 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 eighteen-member Board of Directors meets six times annually, coordinating the policies and programs developed by its network of committees. The committees plan and evaluate such events as Homecoming, class reunions, chapter activities, and recognition programs.

Throughout the year, the Association sponsors programs to bring the University community together. The Alumni Association also offers specific services for members, such as short-term medical insurance and the customized MasterCard/Visa program. 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 aid 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 Alumni Association publishes a newsletter twice a year. This is considered by alumni to be an important means of keeping up-to-date on what's going on and what's new with fellow alumni. Alumni find that keeping in touch with the University and their classmates is rewarding. The Office of Alumni Affairs maintains a computer database of Eastern graduates, and publishes an Alumni Directory.

The Eastern Connecticut State University Foundation, Inc.

Barbara R. Eshoo, 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.

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.

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 assigns 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 Testing)

The University's Placement Testing Program is coordinated through the Academic Advisement Center. All new freshmen and transfer students who have not fulfilled Eastern's writing and math General Educational Requirements prior to their enrollment must take the University's writing and math placement tests. 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 ECSU Honors Program are exempt from all placement tests.

Computing Resources

Walter Zinavage, Director of Information Technology Systems

Eastern provides a wide range of computing resources to the university community.

Client/Server technology is available through the extended campus Local Area Network (LAN).

The LAN is gigabit based. A general-purpose lab containing more than 110 microcomputers, along with laser printers and scanners, is located on the fourth floor of C. R. Webb Hall. Eight classrooms have computer systems for instructional use. One of these contains equipment that supports the Visual Arts Department's graphics program. In addition, fourteen classrooms are multimedia-enabled for Internet access and video presentations. Various departments, such as Mathematics/Computer Science, Biology, Environmental Earth Science, and English, have established specialized computer labs in support of their curriculum. All students have access to the World Wide Web, email, discussion groups and office productivity tools. Faculty have incorporated such software into their courses. Student computer accounts and general information regarding computing at Eastern can be obtained in Webb 410 or online at Eastern's website and the public access area in the MILE course management system.

Eastern's LAN is linked to the Connecticut State University network. Remote dial-in access, non-credit workshops on various software and hardware topics are also available. Full Ethernet connections to the Internet are available in all residence hall rooms.

Classrooms, labs and the network are upgraded regularly to incorporate developing technology.

The library contains three microcomputer-equipped classrooms, the Center for Instructional Technology and extensive selectronic information sources.

Eastern's Online Services, <http://www.easternct.edu>, provide access to the online catalog, admission information and application process, term course offering information and registration, grades and related academic history, tuition and fee payment by credit card and financial aid information. Registration and credit card payment is also available by touchtone phone by calling 465-5768. Eastern also maintains a Web server, <http://www.easternct.edu>, with information on admissions, academic programs and campus life. The server provides links to faculty and departmental publications, search engines and remote sites of interest. Eastern's MILE at <http://mile.EasternCT.edu> is a course management system that streams video throughout campus.

Learning Center

Floyd E. Bagwell, Jr., Director

Margaret A. Hebert, Assistant Director

Through an integrated system, the Learning Center delivers 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 and assisted by the Learning Center to refine their skills to meet the challenge of college-level work.

Located in the Alvin B. Wood Support Services Center, the Learning Center's operations consist of the Summer Transition at Eastern Program (STEP), the Contract Admissions Program (CAP), developmental course (GST) offerings and a variety of University outreach activities that assist youth in preparing for college.

While one major function of the Learning Center is to assist those who are educationally disadvantaged, it provides support for programs and students to promote academic success. To aid in this process, the Center offers tutorial and instructor-guided assistance to students who need or want to improve writing, math or reading and study skills. Peer and professional tutorial support are also available for many of Eastern's course offerings.

Regardless of ability, all students interested in improving their learning skills and academic performance are encouraged to use the Learning Center services.

The J. Eugene Smith Library

Tina C. Fu, Director

Associate Librarians

Carol Abatelli, Head of Public and Research Services

Nicholas Eshelman, Systems Librarian

Kristin Jacobi, Technical Services, Head Cataloger

Assistant Librarians

Barbara Butler, Interim Head of Technical Services and Collections Development Officer

Hope Cook, Public Services, Curriculum Center

John Degon, Public Services, Reference and User Education

William Gramzon, Public Services, Reference and Government Documents

Tara Hurt, Public Services, University Archives and Special Collections

Gregory Robinson, Public Services, Access Services

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 5 libraries that provides on-line access of their holdings and periodical indexes, abstracts, and full text titles.
- The library has over 250,000 volumes of books and subscribes to over 2,000 periodicals in print as well as over 9,000 full-text titles on line. There are more than 80 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 data bases, 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. Electronic Reserves is being planned.
- Materials not available in the Eastern collections may be secured from other libraries through interlibrary loan.
- Electronic access is provided through CONSULS gateway or the library's Web page, including the library's subscribed data bases in various formats, full-text titles, online catalogs of other libraries, Internet resources, etc.
- Books missing from any of the collections will be searched for upon request.
- A copying service is available at 10 cents per copy. Copy machines are located on all four floors of the library. For microforms, the library provides digitizers for reading, printing, downloading, etc.
- 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. Several times each year, Internet workshops are conducted for faculty and staff groups.
- 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. and Connecticut State Government 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 library that consists of more than 120 data bases: <http://www.easternct.edu/library>. Full text materials are loaded on the Web, e.g.

Electronic Reading Area

Britannica Online

EBSCOHOST (a full-text periodical service)

LEXIS/NEXIS

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. 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 reserved for individual use and interlibrary loans from other libraries may be arranged at the Reference desk. 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 decataloging 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 on the ECSU's Web page at: <http://www.easternct.edu/depts/dc/policies/index.html>. The library also subscribes to "Library Policy on the Use of Computer Systems and Internet Resources" at <http://www.easternctstateu.edu/library/doc 129.htm>

A number of rooms are available to the Eastern community for use. For specific guidelines, please see the library's Web pages (<http://www.easternct.edu/library>).

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: <http://www.easternct.edu/library1/hours.htm>. Hours for the after-hours Study Room are also posted on the study room window, or call toll free 1-877-587-8593.

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. All other ID's are honored.

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. 9:00 a.m. –noon; 1:00–4:00 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 folk lore collection, and other manuscripts. The Center sponsors formal graduate and undergraduate courses; work shops 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, Celebrate Connecticut, 350 Years; and occasional publications on Connecticut life and culture.

The Center For Educational Excellence

Martin A. Levin, Director

The mission of the Center for Educational Excellence is to enhance teaching and learning and promote excellence in research and practice at ECSU and in the Connecticut State University System.

The goals of the Center are: identify professional development needs of University faculty; serve as a resource for faculty and departments in working to enhance teaching effectiveness and improving learning in the college classroom; support applied research and other innovative faculty-initiated projects that deal with pressing educational issues; support service -learning and other forms of experiential learning at Eastern; provide leadership support for the University's program to first-year students and provide mentoring services for new faculty.

The Center works closely with faculty, professional development committees, and Information Technology Services to develop activities to meet the above -stated goals. Activities sponsored by the Center include workshops, seminars, videoconferences, course redesign programs, and individual consultations.

Media Services

Nicholas Messina, Director

ECSU's Media Services is located on the ground floor of the Media Center Building on the North Campus. Media Services is open 67 hours a week and provides audio, video, photography, graphics, and desktop publishing support for ECSU's academic and public service programs.

Media Services is the home of TV61, Eastern's own cable TV station.

The David T. Chase Free Enterprise Institute

Dennis C. Twiss, 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 Connecticut Small Business Development Subcenter

Dennis C. Twiss, Director

The Connecticut Small Business Development Subcenter, located at Eastern Connecticut State University, is managed by the David T. Chase Free Enterprise Institute. It is jointly funded by the University and the Connecticut Small Business Development Center.

Knowledgeable counseling and assistance by experienced business professionals is offered to small business operators and entrepreneurs in the area.

Planning assistance and counseling is provided to individuals preparing to start new small business initiatives.

The Center conducts a variety of training programs in all functional areas of small business management, including the business plan, marketing and finance.

The Northeast Connecticut Economic Alliance

Roberta J. Dwyer, Director

The Alliance is a cooperative of private business leaders, government officials, and educators from the 21 towns it serves and is funded primarily through grants from State of Connecticut agencies, including the Department of Economic and Community Development, and local banks.

The Alliance helps municipal and regional officials plan for economic development and provides a number of business services, including business planning, and financial assistance.

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

The Institute for Sustainable Energy

Joel M. Rinebold, Executive Director

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 conservation, efficient use of energy, protection of environmental resources, and the dissemination of technical information to users and providers of energy.

The goals of the Institute include the promotion of proven solutions and unique models of sustainable development in the region, the application of regional sustainable energy strategies, the use of knowledge to empower local solutions to energy needs, the integration of technical and social resources for equitable applications of energy options, and the development of a conservation ethic.

Located at 670 Main Street in downtown 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 ECSU, students must meet the following criteria:

1. Accumulate an overall grade point average of at least 2.0.
2. Fulfill the General Education Requirements.
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 ECSU 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 in effect for the semester of readmission apply. 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, add /drop slips, 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 only in consultation with the Director of the Academic Advisement Center.

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.

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 initiated in the Academic Advisement Center for full-time students and School of Continuing Education for part-time students, and require the authorization of the student's advisor and major department chairperson. 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 prior to registering for a course at another college or university:

- Discuss the courses to be taken with their faculty advisor and have the advisor sign an Approval To Take Courses Outside of Eastern form.
- 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, but not the grade points, unless the courses are taken under specified exchange programs. Grades in such courses are not computed in the student's cumulative GPA.

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

Class Ranking

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 general education courses in liberal studies, 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 BA or BS Degree

Newly admitted students must complete the following degree requirements for a BA or BS:

CREDITS

General Education Requirements	33-52
Major Area of Study	30-48
Electives	20-54
Total (minimum)	120
The BGS Degree	
General Education Requirements	36-42
Major Concentration (a minimum of 15 credits in the major concentration must be taken at Eastern)	30
Minor Concentration	15
Electives	29-39
Total (minimum)	120

Note: One of the two required BGS concentrations must be from a discipline in the School of Arts and Sciences

Specifications for meeting the General Education Requirements can be found on pp. 69 cf.

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 requirement must be approved by the chairperson of the department in which the student is a major. The Academic Advisement Center must approve, for full-time students, any substitution or waiver of general education requirements and academic procedures. The Dean of Continuing Education must approve, for part-time students, any substitutions or waivers of general education requirements and academic procedures. 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 fifteen 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 registered first with the chairperson of the academic department responsible for the desired major. Full-time students with declared majors should request a major advisor in the academic department responsible for the major. Students changing their status from declared major to General Liberal Arts (undeclared), must register this change with the Academic Advisement Center, and should request an advisor at that time.

Full-time students having no declared major will be classified as General Liberal Arts majors and will be assigned to an advisor by the Academic Advisement Center until they register with the academic department of their choice before the end of the sophomore year. 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 GER in different ways, students should consult the specific major programs early in their careers.

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:

- General Education Requirements
- 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 76 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 complement 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.

Majors with BA or BS Option

Students in the Departments of Biology and Mathematics have the option of earning either the BA or the BS degree. Science and math majors must contact their respective department chairperson to declare their 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 and minors share courses, a minimum of nine credits must be unique to each minor. Declaration of a minor must be filed with the Registrar's Office when the application for a degree is submitted. 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 Burr Hall.

The 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. 45.

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 3.50 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 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 permissions. Special permissions are required, for example, for upper class students to take some 100-level courses or for exemption from course prerequisites.

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 in the Registration Booklet if there is insufficient student demand 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.

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.

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.

Withdrawals are not permitted in the last two weeks of classes nor in the final exam period. 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.

If students find they cannot complete a course in the last two weeks of classes, they are encouraged to obtain a grade of "Incomplete" from the instructor.

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 General Education Requirements, 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. Student registration for the credit/no credit option is confidential information.

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 (no additional fees for students registered for a full-time load); 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.

Seats for auditors are available only after the registration period is complete. 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. 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.

A designation of "AU" will be placed on the transcript indicating that the audit occurred. If the student has not fulfilled the terms agreed upon in advance, the instructor may designate the "no audit" and the audit will not appear on the student's transcript.

It is the student's responsibility to return the course audit contract with appropriate signatures to the Registrar's Office.

Repeating Courses

A student requesting to repeat a course must file an appropriate form with the Registrar's Office no later than the fourth week of the semester in which the student is repeating the course.

Any course may be repeated once by an undergraduate student subject to the following conditions:

- If the previous grade was a "C-" or lower, the course may be repeated for a letter grade; a grade of "audit" will appear for a repeat of a course with an initial grade of "C" or higher.
- After a transcript accumulates 5 repeated courses, all subsequent repeated courses will appear with a grade of audit on the transcript.
- Grades for all attempts at a course will appear in the student's official transcript.
- Only the grade and credits for the second attempt will be used in the cumulative grade point average and applied towards graduation requirements.

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	satisfactory
C-	1.7	
D+	1.3	
D	1.0	minimum passing performance
F	0.0	failure; no credit
I	0.0	incomplete
CR/NC	0.0	credit/no credit
AU	0.0	audit
W	0.0	withdrawn
WP/WF	0.0	withdrawn passing/ withdrawn failing

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 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	cum laude
Average of 3.70 - 3.89	magna cum laude
Average of 3.90 - 4.00	summa cum laude

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 or the Learning 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.

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, and 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, add/drop slips, 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

Students receive mid-semester and final grades for all courses. Considerable care is taken to ensure that grades entered on a student's transcript are accurate. Any student who, upon notification of their semester's final grades, suspects an error has been made should take the matter up immediately with the Registrar's Office. Records are assumed to be correct if a student does not report otherwise 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. The fee is \$3 for each transcript issued.

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

The Registrar reserves the right to withhold the forwarding of transcripts if officially notified that a student has an unpaid financial obligation to the University.

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 at time of graduation 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.

General Education Requirements

Eastern Connecticut State University's General Education Requirements (GER) provide experiences that enlighten and deepen appreciation of all areas of inquiry. As such, its ultimate goal is to prepare students for a lifetime of self-education, while, in the short-term, providing the foundation for all programs of study leading to the baccalaureate degree. In accord with the University's commitment to offering a quality undergraduate education, the GER stresses study in the arts and sciences, which enables the students to integrate knowledge from different disciplines. The liberal studies focus of the GER prepares students for the challenges of an examined life, and instills a capacity to adapt to change and to make informed and responsible choices. Programs of study within the majors, in turn, are designed to provide opportunities for in-depth, sequential learning that will cultivate more sophisticated levels of understanding and encourage creativity and synthesis.

As a whole, courses in the GER aim to help students gain an awareness of the various methods of inquiring and knowing; enhance their abilities to research and to communicate; learn ways to think critically, imaginatively, and analytically; develop an understanding of diverse cultures and societies; appreciate the sense in which the past illuminates the present; and respond sensitively to human achievement and creativity. While all courses offered at Eastern should share at least some of the above characteristics, the specific courses which satisfy the GER have been so identified because their primary objective is to promote the development of some or all of the above.

The more specific goals for each area of GER study and the courses that fulfill those areas are provided below.

I. Interdisciplinary

The interdisciplinary courses help students acquire the ability to think logically, to respond sensitively to the finest creative achievements of the human imagination, and to comprehend traditions of many cultures. This category is distinctive in its emphasis on integration and the development of perspectives that are not constrained by disciplinary/subdisciplinary boundaries.

A. Inquiry and Analysis

3 credits

The courses in this category help students understand how knowledge is acquired and evaluated in a variety of disciplines. Courses address one or several of the following: informed decision -

making in the face of conflicting evidence; the recognition of personal and methodological bias; and the collection and analysis of qualitative and/or quantitative data. The courses emphasize the process of inquiry rather than the memorization of material and computational techniques.

- BIO 310 Process of Science Within Society
- EES 304 Environmental Issues
- ENG 241 Critical and Creative Thinking
- ENG 371 Rhetoric and Rhetoric Theory
- MAT 203 Statistical Decisions in Society
- MAT 216 Statistical Data Analysis
- PHI 215 Logical Inquiry
- PHS 302 Science, Technology, & Society: An Integrated View
- PHY 102 Energy and the Scientific Method
- SOC 301 Qualitative Methods

B. Aesthetic Awareness 3 credits

This area of study develops an appreciation of diverse forms of artistic expression, an understanding of relationships among those forms, and a recognition that art forms reflect specific cultures, societies, and individuals.

- FAH 230 Fine Arts Appreciation
- FAH 240 Style in the Arts

C. Cultural Traditions

This category reflects respect for the diversity and complexity of human communities. The courses within this category provide a broad understanding of the evolution, values, and expressions of world cultures. Courses in Section 1 focus on the history, society, art, and ideas of European cultures without emphasizing any narrow ethnic or national group; those in Section 2 focus on the history, society, art, and ideas of other cultures including those of Africa, Asia, Latin America, and the indigenous peoples of the Americas.

Section 1 3 credits

- ANT 201 Introduction to Canadian Studies [CAS 201]
- ART 355 Women and the Visual Arts [WST 355]
- CAS 201 Introduction to Canadian Studies [ANT 201]
- ECO 329 Political Economy of Labor Relations
- ENG 210 Literature of Western Society to 1400
- ENG 211 Literature of Western Society from 1400
- ENG 240 The Study of Language
- ENG 260 Introduction to Women's Studies [WST 260]
- HIS 230 Western Civilization Before 1500
- HIS 231 Western Civilization Since 1500
- HIS 243 Churches and the Modern Civil Rights Movement
- MAT 303 Mathematics for Poets
- PHI 120 Perspectives in Philosophy
- PHI 220 Ethics
- PHI 230 History of Early Western Philosophy
- PHI 231 History of Modern Western Philosophy
- SOC 340 Sociology of World Religion
- WST 260 Introduction to Women's Studies [ENG 260]
- WST 355 Women and the Visual Arts [ART 355]

Section 2 3 credits

ANT	221	Native Americans
ANT	222	Native Peoples of Canada [CAS 222]
ANT	337	Urban Anthropology: Third World Focus
CAS	222	Native Peoples of Canada [ANT 222]
ENG	250	World Mythologies
ENG	256	Native American Literature
ENG	344	Literature of Africa
FRE	116	Intro to the French-Speaking World
HIS	116	Modern World History
HIS	245	African American Religion
HIS	265	Introduction to Africa
HIS	275	Introduction to East Asian History
MUS	130	Music Cultures of the World
PHI	210	Asian Philosophies
PSC	230	Middle Eastern Politics
PSC	240	Latin American Politics
PSC	250	Asian Politics
SOC	355	Latin America: Structure, Change and Development [SOC/SPA 356 Spanish Version]
SPA	323	Latin American Literature

II. Humanities

These courses encourage students to appreciate and value human creativity; they encourage resourcefulness, imagination, and tolerance in understanding creative expression.

A. Literature

3 credits

The courses fulfilling this requirement teach students how to read literary works closely, analytically, and imaginatively, yet with skepticism. Further, they help students understand how diverse human values, experiences, and perception are explored in the literary arts.

CAS	217	Modern Canadian Literature
ENG	125	Introduction to Literature
ENG	212	American Literature to 1865
ENG	213	American Literature from 1865
ENG	214	English Literature to 1798
ENG	215	English Literature from 1798
ENG	225	Fiction
ENG	226	Drama
ENG	227	Poetry
ENG	228	Poetry of Women [WST 228]
ENG	234	Contemporary Fiction
ENG	242	Literature and Social Issues
ENG	255	African American Literature
ENG	324	Women Writers of Latin America [MCL 324, WST 324]
ENG	325	Modern Drama
ENG	326	Contemporary Drama
ENG	333	Modern Novel
ENG	355	Modern European Literature
ENG	356	Women Writers to 1900 [WST 356]

- ENG 357 20th Century Women Writers [WST 357]
 MCL 324 Women Writers of Latin America
 [ENG 324, WST 324]
 WST 228 Poetry of Women [ENG 228]
 WST 324 Women Writers of Latin America
 [ENG 324, MCL 324]
 WST 356 Women Writers to 1900 [ENG 356]
 WST 357 20th Century Women Writers [ENG 357]

B. Fine Arts

3 credits

The arts are a two-sided endeavor. As such, the courses in this category focus either on the artist and the skills, techniques, and perceptions which he or she must hone in order to create art, or on the role of the audience as an active participant in artistic expression. An informed audience is as necessary to good art as talented practitioners of the disciplines themselves. Students satisfy this category by selecting a course from one of these perspectives, either the artist's or that of the audience.

Artist Perspective: These courses require the student to DO art in order to appreciate how an artist approaches the task of creation. No prior experience is required for any of the following courses.

- ART 100 Introduction to Studio Art
 ART 109 Drawing I
 ART 110 Two-Dimensional Design
 ART 111 Three-Dimensional Design
 MUS 200 Fundamentals of Music
 MUS 211 Class Piano I: Introduction
 MUS 213 Class Guitar I
 MUS 225 Class Voice I
 MUS 250 Electronic Music I
 THE 270 Introduction to Directing
 THE 272 Introduction to Acting
 THE 275 Technical Theatre

Audience Perspective: The courses listed below seek to help students understand their role as audience members: what are they expected to see or look for, what kind of responses are legitimate, and why are some opinions more valued than others. These courses will also heighten student awareness of the important contribution that active audience response makes to the discourse.

- ART 211 Introduction to Art History I: Prehistory to 1400
 ART 212 Introduction to Art History II: 1400 to the Present
 ART 305 Art of New England
 ART 360 American Art
 DNC 130 Introduction to Dance History
 FLM 101 Introduction to Film Appreciation
 FLM 321 Film Appreciation: American Cinema
 FLM 322 Film Appreciation: World Cinema
 MUS 120 Introduction to Music
 MUS 304 Music of the Twentieth Century
 MUS 308 Opera
 MUS 314 Folk Music

- THE 170 Introduction to Theatre Arts
 THE 370 World Theatre History I: Ancient to 17th Century
 THE 371 World Theatre History II: 17th Century to the Present

III. Science and Mathematics

These courses help students understand scientific thought or quantitative reasoning as a process and as a perspective through which the world is viewed.

A. Mathematics 3 credits

Courses designed to satisfy the mathematics requirements emphasize problem -solving and the application of quantitative reasoning in diverse contexts. The mathematics requirement may be met by passing one of the following courses:

- MAT 130 Precalculus Mathematics
 MAT 135 Mathematics for Liberal Arts
 MAT 139 Number Systems
 MAT 230 Discrete Structures [if placed at this level]
 MAT 243 Calculus I with Technology [if placed at this level]

B. Natural Sciences 7 credits

These courses are designed to increase the student's capacity to approach scientific material intelligently, to understand the interrelation of science and human affairs, to appreciate the basic principles underlying the physical and the biological world, and to consider how scientists have developed and validated these principles. At least one of the two courses must include a laboratory experience. The science laboratory provides students with hands -on experience in making observations and collecting, analyzing, and interpreting scientific data.

Courses with Laboratory/Optional Laboratory

- AST 214 Descriptive Astronomy w/Lab
 BIO 202/203 Human Biology
 BIO 205 Insects and Human Society w/Lab
 BIO 207 Plants and Human Affairs w/Lab
 CHE 200/201 Introduction to Chemistry
 CHE 205 Biochemistry in Society w/Lab
 CHE 210/212 General Chemistry I
 CHE 211/213 General Chemistry II
 EES 104 Dynamic Earth w/Lab
 EES 312 Physical Geography w/Lab
 PHY 204 Physics I w/Lab
 PHY 205 Physics II w/Lab
 PHY 208 Physics with Calculus I
 PHY 209 Physics with Calculus II

Courses with No Laboratory

- AST 225 Stars and Galaxies
 AST 226 Introduction to the Solar System
 BIO 301 Microbes and your Health
 BIO 304 Genetics and Society
 BIO 305 The Animal World
 BIO 308 General Ecology
 EES 110 Introduction to Geology
 EES 200 Oceanography

EES	360	Impact of the Ice Age
EES	361	Gemstones
EES	362	Climate and Weather
EES	363	U.S. National Parks – A Geological Perspective
EES	364	Geologic Setting of Connecticut
PHS	101	Introduction to the Physical World
PHY	217	Meteorology

IV. Social Sciences

These courses inform students of the methods of various social sciences, reveal the diversity of human experience, and encourage examination of social structures and social forces.

A. Society and the Individual 6 credits

Students are to take two courses to fulfill this category. The courses, while introducing the techniques of the particular social science, instill an understanding of the dynamic and complex relationships of individuals and their communities.

ANT	106	Cultural Anthropology
CAS	271	History of Canada [HIS 271]
COM	100	Introduction to Mass Communication
EDU	110	Introduction to Education
HIS	120	Early American Experience, 1607-1877
HIS	121	Recent American Experience, 1877-Present
HIS	271	History of Canada [CAS 271]
HIS	310	Great Issues: Survey of American History
HIS	321	African American History to 1877
HIS	322	African American History since 1877
NES	200	Introduction to New England Studies
PHI	310	Philosophy and Psychology of Religion
PHI	314	Modern Social and Political Thought [PSC 314]
PSC	314	Modern Social and Political Thought [PHI 314]
PSY	100	General Psychology
PSY	308	Psychology of Social Change
PSY	315	Psychology of Gender [WST 315]
SOC	100	Introduction to Sociology
SOC	107	Social Problems
SOC	240	Sociology of Gender and Sex Roles [WST 240]
SOC	307	Deviance
WST	240	Sociology of Gender and Sex Roles [SOC 240]
WST	315	Psychology of Gender [PSY 315]

B. Economics, Political Science, Geography 3 credits

The courses fulfilling this category provide an awareness of methodology of a particular social science. The emphasis in such courses is on examination of those systems and forces that help shape human affairs: economic, political, geographic or demographic.

BUS	230	Business and Society
ECO	100	Political Economy of Social Issues
ECO	200	Principles of Macroeconomics
ECO	201	Principles of Microeconomics
GEO	100	Introduction to Geography
PSC	110	American Government and Politics

- PSC 140 International Relations
- PSC 270 Former Soviet Union
- PSC 326 Race, Class, and Gender in U.S. Politics (WST 326)
- PSC 355 The Nuclear Threat and Peaceful Change
- WST 326 Race, Class, and Gender in U.S. Politics (PSC 326)

V. General Requirements

A. Writing Competency Requirements 3 credits

1. All students are required to earn three credits in an introductory college writing course.

- ENG 100 College Writing Skills
 - ENG 100 P College Writing Plus (Honors Scholars Only)
 - ENG 200 Expository Writing [if placed at this level]
 - HON 200 Honors Expository Writing (Honors Scholars only)
2. Writing Competency (WRT 050) (See University Writing Program)
3. Writing Intensive Course appropriate for major (WRT 075) (See University Writing Program)

B. Health and Physical Education Requirements 3 credits

In fulfilling this requirement, students are encouraged to develop a physically active way of life. Students will develop positive attitudes regarding vigorous physical activity to enrich the quality of their lives. Students must choose one of the following options:

HPE 101 Foundations of Physical Education (1 credit) plus two credits from courses in the following list.

or

HPE 102 Healthy Weight Management (2 credits) plus one credit from courses in the following list.

or

HPE 103 Foundations of Physical Education: Comprehensive (2 credits) plus one credit from courses in the following list.

GER Activities Courses

- HPE 110 - HPE 190 All courses in this sequence satisfy the GER
- DNC 232 Modern Dance I Beginner
- DNC 233 Modern Dance II Beginner Intermediate
- DNC 334 Modern Dance III Intermediate
- DNC 335 Modern Dance IV Advanced Intermediate
- DNC 236 Jazz Dance I Beginner
- DNC 237 Jazz Dance II Beginner Intermediate
- DNC 338 Jazz Dance III Intermediate
- DNC 339 Jazz Dance IV Advanced Intermediate
- DNC 242 Ballet I Beginner
- DNC 243 Ballet II Beginner Intermediate
- DNC 344 Ballet III Intermediate
- DNC 345 Ballet IV Advanced Intermediate

C. Computer Competency Requirements 3 credits

The courses fulfilling this requirement help students utilize computers effectively. Those demonstrating computer competency may be exempted from this requirement.

- CSC 100 Computer Concepts
- CSC 110 Problem Solving with Pascal

Additional Guidelines

1. GER Course Used in Major, Minor

Any GER listed course can be used to meet both the GER requirements and a department's major or minor requirements, as long as it does not carry the same disciplinary designation as the student's major or minor. Also, majors and minors have exemptions from specific GER areas. See individual majors and minors for details.

2. Transfer Students

For transfer students entering Eastern with 60 or more credits, the following requirements are waived:

I.	B.	Aesthetic Awareness	3 Credits
III.	B.	One Laboratory science course	4 Credits
V.	B.	Health & Physical Education	3 Credits

3. HPE Requirements

Students who are 25 years or older at the time of their admission to the University or who present evidence to Health Services of an appropriate medical reason are exempt from the Health and Physical Education Requirement.

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. After you pass ENG 100 or ENG 100P, you are required to demonstrate your continuing competency in writing (WRT 050 on your transcript) 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 ENG 200, ENG 203, HIS 200, or HON 200 with a "B" or better, or receiving "WRT 050" credit in BIO 221 or BIO 234

More details about these options are available in the English Department office, WH 225.

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

Stage 3. A Writing-Intensive Course in Your Major (recorded on your transcript as WRT 075)

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.

Special Programs

Honors Program

James F. Lacey, Director

The University Honors Program brings together talented students committed to academic excellence. The program offers challenging courses covering a broad range of topics, opportunities to meet and work with outstanding faculty, and encouragement and guidance to pursue independent study and research projects. Many of the students are supported by special Honors Scholarships. Students who complete the program are recognized as Honors Scholars at

graduation and an Honors notation is reflected on University transcripts. The program provides a rewarding undergraduate experience and excellent preparation for graduate work, professional training, or community leadership.

Honors Scholars follow a special academic program. They participate in a freshman seminar (HON 200/201) 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 a year, to maintain a 3.3 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 in the Planetarium for application information.

Incoming freshmen accepted into the University Honors Program are not required to take placement exams.

Courses of Instruction: Honors

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 201 READING ACROSS THE CURRICULUM* 3 CREDITS

A study of the family from the perspective of five different disciplines. May be used to fulfill a general education requirement, Category I.

HON 360-363 HONORS COLLOQUIA* 9 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 Arts in China, New England and the Sea, Modern Troubadours, and Health-Care Reform. 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 2 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 director, qualified Honors Scholars serve as interns in HON 200, HON 201.

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 complement each

other and prepare students for the 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: a) to 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) to provide the student with flexible career skills to meet the challenges of a society undergoing rapid technological change.

The Individualized Major shall consist of at least 36 credits, at the 200 -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 6 credits of Independent Study/Internship/Practicum/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). The department 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.

A student planning to pursue an Individualized Major must:

a) declare his/her intention to the Academic Advisement Center by the end of the semester he/she accumulates 60 credit hours

b) obtain a Plan of Study application packet for the Individualized Major from the Academic Advisement Center

c) select 2 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, and,

d) at the time the intent to pursue an Individualized Major is declared, submit the proposed Plan of Study for review and approval signature to his/her Faculty Advisors, to be forwarded to the Department Chairperson of each department in which the student is taking 15 or more credits towards the major, and lastly to the Dean of his/her School.

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. Once the student's Plan of Study is approved, the department from which the student is taking the most credits towards the major becomes the student's "home" department. The responsibility of fulfilling graduation requirements rests with the student, following all University guidelines for degree applications and graduation.

American Humanics Program

ECSU provides certification from American Humanics (AH), a national organization with a mission to prepare leaders for the nonprofit sector. Students who are part of the AH program at ECSU will acquire skills in the following competences: historical and philosophical foundations of nonprofits, youth and adult development, 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 be required to fulfill the following obligations to receive certification from AH:

18 credit hours of coursework in the AH curriculum

A 300-hour internship in an approved nonprofit setting

Active involvement in the AH Student Association

Attendance at one of the annual American Humanics Management Institutes (AHMI)

Students interested in careers in the nonprofit sector should contact Dr. Peter Bachiochi, the AH Campus Director, in Webb Hall 142 to establish a plan of study and to register with American Humanics' national office.

Blue Sky Program

The Blue Sky Program is offered to first -time full-time students who are not required to participate in other first -year programs as a condition for admission to the University. Primary goals of the program are to help students make an effective adjustment to college, involve them in the Eastern community, and promote academic excellence, creativity, and pride in the University.

Blue Sky Program participants register for a "cluster" of three or four classes. The cluster includes two or three 3- or 4-credit courses which generally meet part of the students' General Education Requirements (GER) and one 1-credit course called "Resources, Research and Responsibilities." Students select this cluster of courses when they complete the normal registration procedures for their first semester at Eastern. A maximum of 25 students will be enrolled in each cluster of courses and with the corresponding faculty members and "associates" from the staff or administration will compose a Learning Community.

The three- or four-credit courses in a cluster may be existing GER classes, newly created and approved permanent GER classes, or other permanent or one -time classes appropriate for the Program. All of these classes involve active and collaborative learning and use multiple forms of assessment appropriate to the discipline. "Resources, Research, and Responsibilities" ("3R") introduces students to academic skills within the context of a specific discipline, university resources that can be used to support learning in that and other disciplines and encourages students to be involved and responsible members of the University community.

Cooperative Program

Major: Library Science and Instructional Technology (BS)

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 SCSU.

Degree Requirements

Successful completion of this BS 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 SCSU'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 38 credits in General Education Requirements, an academic concentration of 18-30 credits, and free electives totaling 24 -30 credits. A foreign language through the 200 level, or an introductory course in computer science or statistics is recommended for those who intend to pursue a graduate degree.

Required Courses (9 credits)

LSI 302 Information Service

LSC 320 Technical Services

LSC 330 User Services

Electives (9-12 credits)

Library Science

Instructional Technology

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, 486-4538 in Storrs.

Air Force Reserve Office 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

AFR 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 2-hour laboratory period. Laboratory open only with consent of department head.

AFR 123-124 AEROSPACE STUDIES II: THE AIR FORCE WAY 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, Quality Air Force, an introduction to ethics and values, an introduction to leadership, group leadership problems, and continuing application of communication skills. One class period, one 2-hour laboratory period. Laboratory open only with consent of department head.

AFR 201 AVIATION GROUND SCHOOL 1 CREDIT

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 2-hour class period per week for twelve weeks. Open only with consent of instructor.

AFR 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 quality 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 3-hour class period and one 2-hour laboratory period.

AFR 245-246 Aerospace Studies IV 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 3-hour class period and one 2-hour laboratory period.

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 (and fun!).

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 in 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 unex pected 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 partic ipation in three one -hour session 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 res ources. 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 125 member state colleges or universities in the continental United States, as well as Hawaii, Puerto Rico, Guam, the Virgin Islands and Canada. Students pay tuition and some fees to Eastern, while paying room and board and normally charged fees to the host institution. Twenty students will be permitted to participate in this program per semester from the sophomore or junior classes. 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 advi sor'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 the Tropical Biology course, BIO 320 . The main part of the course is a nine to twelve day field experience in the tropics or subtropics. 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 programs 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 and fees and room and board. Additionally, there is a \$150 per semester international exchange or study abroad fee. Transportation, books, travel in the host country, insurance, application fees, and incidental expenses are not included.

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

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 the cooperating university in Germany.

Greece Student Exchange Program

Under the Greece Student Exchange Program agreement with the College of Southeastern Europe, Eastern students may spend one or two semesters studying in Athens, Greece. Students pay Eastern tuition/fees and housing/meal costs at the College of Southeastern Europe.

International Dimensions of Physical Education

In June of even numbered years, the Health and Physical Education Department offers HPE 410, International Dimensions of Physical Education. This practicum course is conducted in a foreign country and focuses on physical, athletic, and recreation programs, practices and trends in the host country. Included are activities such as hiking, gorge walking, rock climbing, kayaking, caving, and camping, as well as opportunities to visit local schools and cultural sites. The course is open to students by permission of the instructor. Interested students should contact the chairperson of the Health and Physical Education Department.

New England/Quebec Student Exchange Program

Under the New England/Quebec Student Exchange Program, 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.

United Kingdom Program

Under the United Kingdom Student Exchange Program students may spend one or two semesters studying at one of the following institutions: Queen Margaret College, Edinburgh, Scotland; University College of St. Martin, Ambleside and Lancaster, England; Bolton Institute of Higher Education, Bolton, England; or University of North London. As part of this program students pay Eastern tuition/fees, and housing/meal costs at the UK institution.

The School of Arts and Sciences

Beverley J. Anderson, Dean

The School of Arts and Sciences encompasses the arts, the humanities, the social sciences and the natural sciences. The academic disciplines in the School of Arts and Sciences share methodologies which encourage the student's ethical and intellectual development, concern for and understanding of other cultures and peoples, knowledge of the past, sense of responsibility for the future, competence in communicating ideas and values, and the integration of theory with practice through internships, field work, and practica. A commitment to lifelong learning is the ultimate goal of the liberal arts baccalaureate degree. Students who acquire a sound liberal arts and sciences foundation as well as the ability to pursue knowledge and confidence to take risks are provided with a wide range of career opportunities in business, the professions, government, and graduate studies.

American Studies

Coordinator: Emil Pocock

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 majors

(at least 9 hours in American history)

English/American Studies

ENG 203: Writing for English

12 hours in English

(at least 9 hours with substantial American content)

III. Elective Requirement

History/American Studies

6 hours in American history

English/American Studies

6 hours in American literature

Plus 9 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.

Department of BIOLOGY

Chairperson: Carmen R. Cid

Professors: Michael Adams, Charles E. Booth, Carmen R. Cid, Gloria J. Colurso,

Phillip F. Elliott, Michael F. Gable, Ross E. Koning, Martin A. Levin

Assistant Professors: Elizabeth A. Cowles, Yaw A. Nsiah

Major: Biology (BA/BS)

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, and veterinary school.

The biology program of study allows students to acquire hands-on experience with state-of-the-art laboratory equipment (e.g. transmission electron microscopes, liquid scintillation counter, ultracentrifuge, spectrophotometers), 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

Biotechnology

Cell Biology

Ecosystems Ecology

Electron Microscopy
and Ultrastructure

Endocrinology

Entomology

Evolutionary Ecology

Invertebrate Taxonomy

Marine Biology

Microbiology

Molecular Biology

Molecular Genetics

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.

Degree Requirements (BS and BA)

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 as C/NC under BIO 075. Students majoring in biology are exempt from the University's General Education Natural Science Requirement (IIIB).

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

Bachelor of Science Degree Requirements

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

BIO 115	Principles of Biology w/Lab
BIO 125	Organismal Biology w/Lab
BIO 221	Cellular and Molecular Biology w/Lab
BIO 234	Population Biology w/Lab

II. Junior and senior years - 12 credit hours of 300-level courses and 12 credit hours of 400-level courses from the following list

BIO 320/360	Tropical Biology-Belize/Tropical Ecosystems
BIO 324	Entomology w/Lab
BIO 330	Cell Biology w/Lab
BIO 332	Biology of Plants w/Lab
BIO 334	General Microbiology w/Lab
BIO 336	Invertebrate Biology w/Lab
BIO 338	Vertebrate Biology w/Lab
BIO 340	Parasitology w/Lab
BIO 342	Plant Physiology w/Lab
BIO 346	Animal Behavior w/Lab
BIO 348	Functional Human Anatomy w/Lab
BIO 350	Human Physiology w/Lab
BIO 420	Introduction to Electron Microscopy w/Lab
BIO 422	Research Methods in Molecular Biology w/Lab
BIO 428	Virology w/Lab
BIO 430	Endocrinology w/Lab
BIO 432	Histology w/Lab
BIO 434	Developmental Biology w/Lab
BIO 436	Molecular Genetics w/Lab
BIO 440	Aquatic Biology w/Lab
BIO 442	Plant Ecology w/Lab
BIO 444	Population and Community Ecology w/Lab
BIO 446	Terrestrial Ecology w/Lab
BIO 448	Physiology Ecology w/Lab
BIO 450	Biotechnology w/Lab

III. Senior seminar course

BIO 466 Senior Seminar

IV. Related Fields

Biology majors must also complete the following:

CHE 210/212 General Chemistry I Lecture/Laboratory

CHE 211/213 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

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

A course in statistics is highly recommended. BIO 378, Biological Research and Data Analysis, may be substituted for MAT 216.

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

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

First Year

ENG 100	College Writing	3
MAT ***	Math Course Beyond Algebra II - GER	3
CSC 100	Computer Concepts	3
	General Education Requirements	5
BIO 115	Principles of Biology with Lab	4
CHE 210/212	General Chemistry I with Lab	4
BIO 125	Organismal Biology with Lab	4
CHE 211/213	General Chemistry II with Lab	4
	Electives	0
Total		30 credits

Second Year

	General Education Requirements	6-12
	Foreign Language	0-6
BIO 221	Cellular and Molecular Biology with Lab	3.5
CHE 216	Organic Chemistry I with Lab	4
BIO 234	Population Biology with Lab	3.5
CHE 217	Organic Chemistry II with Lab	4
MAT 243	Calculus I with Technology - GER	3
	Minor	0
	Electives	0
Total		30 credits

Third Year

	General Education Requirements	11
PHY 2**/Lab	Elective	4

MAT 244	Calculus II with Technology	3
or		
MAT 216	Statistical Data Analysis	3
BIO 3**	Biology Electives	8
BIO 4**	Biology Elective	4
	Minor	0
	Electives	0
Total		30 credits
Fourth Year		

	General Education Requirements	2-8
BIO 3**	Biology Elective	4
BIO 4**	Biology Electives	8
BIO 466	Senior Seminar	3
	Minor	0-6
	Electives	7-13
Total		30 credits

Bachelor of Arts Degree Requirements

Requirements for the BA degree are the same as those listed under I, II, and III of the requirements for a BS degree in Biology, coupled with the following course requirements in related science fields:

CHE 210/212	General Chemistry I Lecture/Laboratory
CHE 211/213	General Chemistry II Lecture/Laboratory
EES 104	Dynamic Earth w/Lab
MAT 216	Statistical Data Analysis
PHY 102	Energy and the Scientific Methods (a higher level physics course may substitute)

Recommended Course Sequence: Biology Major (B.A.)

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	2-5
BIO 115	Principles of Biology with Lab	4
PHY ***	Elective	3-4
EES 104	Dynamic Earth with Lab	4
	Electives	0
BIO 125	Organismal Biology with Lab	4
Total		30 credits
Second Year		

	General Education Requirements	9-12
	Foreign Language	0-6
BIO 221	Cell and Molecular Biology with Lab	3.5
BIO 234	Population Biology with Lab	3.5
CHE 210/212	General Chemistry I with Lab	4
CHE 211/213	General Chemistry II with Lab	4
MAT 216	Statistical Data Analysis	3

	Minor	0-3
	Electives	0
Total		30 credits
Third Year		
	General Education Requirements	6-9
BIO 3**	Biology Electives	8
BIO 4**	Biology Elective	4
	Minor	0-6
	Electives	3-12
Total		30 credits
Fourth Year		
	General Education Requirements	3-6
BIO 3**	Biology Elective	4
BIO 4**	Biology Electives	8
BIO 466	Senior Seminar	3
	Minor	0-6
	Electives	3-12
Total		30 credits

Minor: Biology

The Biology minor consists of BIO 115 or equivalent substitute and four full semester biology courses for the major, with laboratories. Prerequisites must be met for all courses taken. 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.

Honors

Admission to and retention in the Biology Honors program is contingent upon acceptance and retention in the University Honors Program and approval of the Biology Department Honors Council. In addition to the regular BS degree requirements, participants in the Biology Honors Program must complete the following:

- A. One semester of Teaching Assistantship I (BIO 490)
- B. One semester of Independent Study (BIO 280/380, to be taken in the sophomore year for 2-3 credit hours)
- C. Satisfactory completion of the student discussion group requirements
- D. Satisfactory completion of an Honors Thesis Research Project (minimum of 9 credit hours), 5 credits BIO 488, 4 credits HON 488.

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 preprofessional studies is available at <http://biology.ecsu.ctstateu.edu/HighSchool/medschl.htm>.

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. Students are encouraged to participate in independent study projects and should attend research seminars offered during the year. For more information, please consult our Web page at <http://biology.ecsu.ctstateu.edu/HighSchool/biotech.htm>.

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 w/Lab
- BIO 207 Plants and Human Affairs w/Lab
- BIO 301 Microbes and your Health
- BIO 304 Genetics and Society
- BIO 305 The Animal World
- BIO 308 General Ecology
- BIO 310 Process of Science Within Society

BIO 115 PRINCIPLES OF BIOLOGY W/LAB

4 CREDITS

Prerequisite: Biology Major/Minor or Permission of Instructor

This introductory course provides insight into the fundamental properties of life at the cell, organism, population, and ecosystem levels. These include: cell structure, biochemical metabolism, energy processing, information processing, adaptation to the environment, reproduction, and evolution. The laboratory exercises provide a foundation of experiences in experimental biology under these topics. Three hours lecture, three hours laboratory per week.

BIO 125 ORGANISMAL BIOLOGY W/LAB 4 CREDITS
 Pre or co-requisite: Bio 115 or equivalent
 The basis of and problems relating to the determination of species and the classification of living organisms. A review is made of various systems of classifications in conjunction with a study of the organisms assigned to the different taxonomic categories. Laboratory covers representative bacteria, fungi, protists, plants, and animals. Three hours lecture, three hours lab per week.

BIO 180 FRESHMAN SUPERVISED STUDY 1 CREDIT
 Prerequisite: Bio major and instr. permission; corequisite: bio 115 or bio 125
 The student formulates the project idea with the ECSU faculty mentor. The student is expected to write a comprehensive report to the faculty mentor.

BIO 202 HUMAN BIOLOGY (LECTURE)* 3 CREDITS
 Attention is directed to basic concepts in cell biology, the function of organ systems, inheritance, reproduction and development. Emphasis is on humans, but other organisms will be used to illustrate concepts. 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 W/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 W/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 221 CELLULAR AND MOLECULAR BIOLOGY W/LAB 3.5 CREDITS
 Prerequisite: Bio 115 and BIO 125; corequisite: bio 125
 This course presents the biochemical, molecular, and genetic basis of cell structure and function. Similarities and differences in structure and function of plant, animal and microbial cells, and viruses will be examined. Demonstration of suitable proficiency in laboratory report writing in this course will meet the University intermediate writing requirement. Three hours lecture per week, three hours laboratory every-other-week.

BIO 234 POPULATION BIOLOGY W/LAB 3.5 CREDITS
 Prerequisite: Bio 115 and BIO 125; corequisite: bio 125
 An integrative course dealing with the ecological and evolutionary principles of population ecology and population genetics. Field and laboratory exercises will study the factors that regulate the distribution, size, and dynamics of populations, the principles of Mendelian genetics, the processes of gene flow, genetic drift, and natural selection. Demonstration of suitable proficiency in laboratory report writing in this course will meet the University intermediate writing requirement. Three hours lecture per week, three hours laboratory every other week.

BIO 280 SOPHOMORE SUPERVISED STUDY 1-2 CREDITS
 Prerequisite: Bio major and instr. permission; corequisite: bio 221 or bio 234

The student formulates the project idea with the ECSU 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 ECSU.

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 310 PROCESS OF SCIENCE WITHIN SOCIETY* 3 CREDITS

prerequisites: 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 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 twelve -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

PRE or co-REQUISITES: BIO 221, BIO 234

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. Three hours lecture, three hours laboratory/field work per week.

BIO 330 cell biology 4 CREDITS

PREREQUISITES: BIO 221, che 217

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

Examines protozoa, helminths, 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 342 PLANT PHYSIOLOGY W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 346 ANIMAL BEHAVIOR W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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

Pre or Co-requisiteS: BIO 221, BIO 234, or permission of instructor

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

PRE or co-REQUISITES: BIO 221, BIO 234, BIO 422

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

PRE or Co-REQUISITES: BIO 221, BIO 234

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 & PERMISSION OF INSTRUCTOR

A hands-on data analysis course designed for students conducting independent research in biology. The course integrates descriptions of research projects by various biology faculty members 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

PRE or co-REQUISITES: BIO 221, BIO 234, GPA 2.0 AND INSTRUCTOR'S PERMISSION

The student formulates the project idea with the ECSU 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 ECSU.

BIO 404 IMMUNOLOGY 3 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 immunoelectrophoresis. Three hours lecture per week.

BIO 420 ELECTRON MICROSCOPY W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234, CHE 217, BIO 367 AND INSTRUCTOR'S PERMISSION

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 and darkroom use is intensive. Scanning electron microscopy is introduced. Special projects are encouraged. Three hours lecture, three hours laboratory per week.

BIO 422 RESEARCH METHODS IN MOLECULAR BIOLOGY W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234, CHE 217, BIO 366 AND INSTRUCTOR'S PERMISSION

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

A study of the structure, function, and regulation of hormones in selected groups of vertebrates with emphasis on mammalian systems. Three hours lecture, three hours laboratory per week.

BIO 432 HISTOLOGY W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234, CHE 210/212

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 W/LAB 4 CREDITS

PREREQUISITES: BIO 221, BIO 234

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 440 AQUATIC BIOLOGY W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234, MAT 243

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

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB 4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 W/LAB

4 CREDITS

PRE or co-REQUISITES: BIO 221, BIO 234

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 466 Senior Seminar

3 credits

Prerequisite: 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, instructor's permission

The student formulates the project idea with the ECSU 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 ECSU.

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 Permission of InstructoR

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 Permission of InstructoR

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 ECSU 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: R. Max Ferguson, Charles M. Wynn, Sr.

Assistant Professors: Darrell Koza, John M. Toedt

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 370	Organic Qualitative Analysis
CHE 336 (EES 336)	Applied Hydrogeochemistry

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:

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 Biology with Laboratory	4
BIO 450	Biotechnology with Laboratory	4
CHE 323	Physical Biochemistry	3

Internships: Chemistry

Both on- and off-campus opportunities are available for students to gain experience in laboratory or field studies. Students should be juniors or seniors with a GPA of 3.0 or better in the sciences. Applications should be submitted to a member of the chemistry faculty. The University permits 3-15 credits per semester for each internship. Placement is competitive. Special opportunities are available at the Region I United States Environmental Protection Agency (USEPA) Laboratory in Lexington, Massachusetts; the Connecticut Department of Environmental Protection (DEP)

Divisions in Hartford, Connecticut; and Aquanalysis in Brooklyn, Connecticut. Positions are also available for qualified students in water quality control plants and hospital chemical laboratories.

Courses of Instruction: Chemistry

CHE 200 INTRODUCTION TO CHEMISTRY (LECTURE)* 3 CREDITS

COREQUISITE: CHE 201

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.

CHE 201 INTRODUCTION TO CHEMISTRY (LABORATORY)* 1 CREDIT

Laboratory offered simultaneously with CHE 200.

CHE 205 biochemistry in society w/lab 4 CREDITS

An introductory chemistry course about chemistry and biochemistry, and the role of these two disciplines play in our everyday lives. Topics include general chemistry, organic chemistry, and biochemistry 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 analyses. 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

PREREQUISITE: 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

coREQUISITE: CHE 318

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 336 (EES 336) APPLIED HYDROGEOCHEMISTRY 3 CREDITS

PREREQUISITE: EES 322, CHE 211

An introduction to aqueous geochemistry and isotope hydrology. Emphasis is placed on using the chemical and isotope properties of water, and their spatial distribution, as a means of investigating water transport on and below the earth's surface.

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 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 BET TER AND CONSENT OF INSTRUCTOR

Provides opportunity to gain experience in teaching laboratory and discussion section of general chemistry.

CHE 491 INTERNSHIP: ENVIRONMENTAL PROTECTION AGENCY 3-16 CREDITS

PREREQUISITE: MAJOR IN ONE OF THE SCIENCES WITH AT LE AST TWO YEARS OF CHEMISTRY INCLUDING CHE 310

Student will work directly under the supervision of the Region I Laboratory Director of the Environmental Protection Agency. The program will involve one semester of laboratory and field work. Projects may invol ve studies of chemical and biological pollution problems and assisting other agencies in abatement of such problems. Students wishing to participate in this program will be screened by a committee of the science faculty.

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: John F. Sharlow

Professors: C. Gary Rommel, John F. Sharlow

Associate Professors: Jianhua Lin, Joel Rosiene

Assistant Professors: Raafat Elfouly, James Shores, Huan-YuTu

Major: Computer Science (BS)

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, engine ering, 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 design programs using the top-down approach, to do structured programming, to use an algorithmic approach to problem solving, and to do analysis and design.
- 3) Prepare students for graduate school in Computer Science who are able to read, think, and write abstractly, have a knowledge of computer hardware, have high level language competency, and have symbolic machine language competency.

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. Students majoring in Computer Science are exempt from the university's General Education Requirements, Section IIIA (Mathematics) and Section VC (Computer Competency Requirements).

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 310	Assembly Language	3
CSC 330	Data Structures	3
CSC 335	Computer Algorithms	3
CSC 340	Comparative Programming Languages	3
CSC 344	Operating Systems	3
CSC 355	Digital Logic Lecture and Laboratory	4
CSC 378	Computer Architecture	3
CSC 420	Microprocessors	3
CSC 445	Object-Oriented Software Engineering	3
CSC 450	Senior Seminar	3
Subtotal		37 Credits

II. Select any three computer science courses, not in I, numbered 300 or above, except internships

III. Related Fields 9 Credits

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	3
MAT 244	Calculus II with Technology	3
Subtotal		9 Credits
Total		55 Credits

The Computer Science Department offers a unique opportunity to study in the seminar format. Typical topics include: Image Processing, Computer Language, Formal Language Theory, Distributed Databases, Applied Mathematics and Advanced Data Processing Technology.

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 243	3
	or		or	
	MAT 243	3	MAT 244	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	15 credits	Total	15 credits
Second Year	Semester 1		Semester 2	
	CSC 231	3	MAT 230*	3
	MAT 230	3	CSC 310	3
	OR MAT 244	3		
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	15 credits	Total	15 credits
*if needed				
Third Year	Semester 1		Semester 2	
	CSC 330	3	CSC 335	3
	CSC 355	4	CSC 378	3
			CSC 300/400	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	16 credits	Total	15 credits
Fourth Year	Semester 1		Semester 2	
	CSC 344	3	CSC 300/400	3
	CSC 340	3	CSC 420	3
	CSC 300/400	3	CSC 450	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Total	15 credits	Total	15 credits

Minor: Computer Engineering Sciences

Objectives

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.

The computer engineering sciences minor consists of a total of 18 credits with 7 required credits and a minimum of 11 elected credits.

I. All courses in this section are required:

CSC 355 Digital Logic

CSC 356 Digital Logic Lab

CSC 420 Microprocessors

II. Select a minimum of 11 credit hours from any of the courses listed in this section:

Chemistry

CHE 210 General Chemistry I
CHE 212 General Chemistry I Lab
CHE 211 General Chemistry II
CHE 213 General Chemistry II Lab

Environmental Earth Sciences

EES 340 Geographic Information Systems
PHY 208 Physics with Cal I
PHY 210 Physics with Cal I Lab
PHY 209 Physics with Cal II
PHY 211 Physics with Cal II Lab
PHY 310 Heat and Thermo
PHY 320 Modern Physics

Minor: Computer Science

The Computer Science minor requires a total of 18 credits.

Required Courses

CSC 210 Computer Programming I
CSC 231 Computer Programming II

Electives

Select three courses from the following:

CSC 249 Visual Basic
CSC 330 Data Structures
CSC 3** (i.e., any 300-level CSC course. Some or all of the four courses may be chosen from here.)
CSC 4** (i.e., any 400-level CSC course. Some or all of the four courses may be chosen from here. CSC 490 may not be chosen.)
MAT 216 Statistical Data Analysis

or

MAT 315 Mathematical Statistics

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 Intro to Problem Solving

or

Equivalent Programming Experience

*This is a 15 credit minor for those attending ECSU with a background in computer programming.

II. Two Business Courses:

- A. BUS 230 Business Management
or Equivalent Management Principles Course
- B. BUS 361 Systems and Operations

III. Any three of the Following Six Options:

- A. Select one seminar from BUS 461 -BUS 469 series.
This will be cross listed with an MIS prefix to indicate significant MIS content.
- B. CSC 216 Survey of COBOL
- C. CSC 210 Computer Programming I
- D. CSC 231 Computer Programming II
- E. CSC 200 Management Systems
- F. CSC 249 Visual Basic

Cooperative Education

The Department participates in the ECSU 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 attain 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. A 6 node SUN workstation LAN is available for Junior and Senior courses. A 10 node IBM LAN is available exclusively for the computer science majors. Perhaps the most unique feature of the computer science facilities are the sixteen transputer systems. These systems are reconfigurable into hypercubes, rings, trees, and other architectures. Undergraduates have the unique opportunity to study parallel and distributed processing, and to experience it in actual applications. The Department supports several numerical languages and application programs such as FORTRAN, C, C++, BASIC, Pascal, and MatLab symbolic languages such as Lisp, Prolog, MACSYMA, and MAPLE which are available to students. The Department incorporates several simulation languages. Among these are PAWS, SIMAN, and GPSS. Finally, the department has made a strong commitment to graphics by maintaining 10 high resolution graphics screens, postscript printers, and pen plotters.

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.

Graduate Courses

The Department offers a small number of advanced computer science courses cross-listed with its undergraduate offerings, such as CSC 430/530 and CSC 455/555. Students may select a graduate offering if it is taken in addition to their regular undergraduate program. The graduate credit may be used to fulfill requirements for a Masters Degree at institutions such as the Hartford Graduate Center.

Upsilon Pi Epsilon

ECSU 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

Any CSC course may satisfy the GER Computer Competency requirement.

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.

Acquaints liberal arts students with computers, covers hardware and software of a computer system, uses of computers, and effects of computers on society.

CSC 105 prelude to programming 3 CREDITS

A course that covers the quantitative skills prerequisite to being a computer programmer.

Program analysis, design and algorithmic formulations. Also pseudo coding and flow charting.

CSC 110 (MAT 110) PROBLEM SOLVING with computers 3 CREDITS

PREREQUISITE: mat 101 or equivalent; not open to students who have passed csc 210.

This course is for students with little or no programming experience. An introduction to problem solving using structured C++ as a vehicle.

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: CSC 110

A course in object programming in C++. Classes, Abstract Data Types, and object-oriented programming will be covered.

CSC 216 Survey of COBOL 3 CREDITS

PREREQUISITE: CSC 110 OR EQUIVALENT

A survey of common Business-Oriented Language. Division structure, branching, looping, subroutines, array processing and table handling; sequential and random access file processing.

CSC 231 (mat 231) computer science and programming ii 3 CREDITS

PREREQUISITE: CSC 210

A course in Java applets and applications. Abstract Data Types, classes and object-oriented programming will be covered.

CSC 249 visual Basic 3 credits

PREREQUISITE: CSC 110

The study of a fourth generation computing language; the course includes an introduction to event-driven programming and programming for Windows. Students will be introduced to Windows 2000.

CSC 251 DATABASES and the web 3 credits

PREREQUISITES: CSC 210 or csc 231

The course covers Web page development, the theory of databases, and the integration of Web pages and databases.

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

PREREQUISITES: CSC 210 or equivalent

A course designed to give students an opportunity to study various computer application languages that evolve in the field.

CSC 310 ASSEMBLY LANGUAGE 3 CREDITS

PREREQUISITE: CSC 110 or 210

Computer organization and data representation; programming in machine language and assembly language; subroutines; macros; description of assembler.

CSC 330 DATA STRUCTURES 3 CREDITS

PREREQUISITE: CSC 210 or 231

Implementation and manipulation of arrays, stacks, queues, lists, trees and graphs; programming exercises.

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 3 CREDITS

PREREQUISITE: CSC 231 and 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 Computer network and distributed processing programming 3 CREDITS

PREREQUISITE: CSC 330

Further investigation of the programming of computer networks and distributed systems.

CSC 339 Network management and administration 3 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 COMPARATIVE PROGRAM LANGUAGES 3 CREDITS

PREREQUISITES: CSC 231 and csc 330

A study of the structures of programming languages. The course will include a list processing language (LISP), a scientific language (FORTRAN), a systems language (C), and a simulation language (GPSS).

CSC 341 DATABASE MANAGEMENT SYSTEMS 3 CREDITS

PREREQUISITE: CSC 216

An introductory course on database management systems including their application and advantages or disadvantages. The course will cover different types of database systems, such as relational, network, and hierarchical; database planning, design, and implementation; database security, integrity, and control.

CSC 344 OPERATING SYSTEMS 3 CREDITS

PREREQUISITE: CSC 330

This course will cover the basic tenets of operating systems. Among the points covered are the following: computer systems structures, operating system systems, file system protection, distributed systems structures, distributed coordination, distributed file systems, and case studies.

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 353 (MAT 353) introduction to wavelet theory and applications 3 CREDITS

PREREQUISITES: CSC 110 or csc 131 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

PREREQUISITES: CSC 310, 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

Required laboratory offered simultaneously with CSC 355.

CSC 358 PARALLEL PROCESSING 3 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 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. Includes writing of programs in LISP.

CSC 378 COMPUTER ARCHITECTURE 3 CREDITS

PREREQUISITE: CSC 355

The structure and logical design of components of digital computers.

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 OBJECT-ORIENTED Software Engineering

3 CREDITS

PREREQUISITE: CSC 330

Object-oriented analysis and design methodologies. Design results implemented with the C++ language.

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. Professor will act as a consultant. Course may be taken with Java or C++.

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

PREREQUISITE: THOROUGH KNOWLEDGE OF ONE PROGRAMMING LANGUAGE OR 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.

Department of ENGLISH LANGUAGE AND LITERATURE

Chairperson: Elena Tapia

Professors: Gray Jacobik, James F. Lacey, Raouf Mama, Marcia P. McGowan, Barbara J. Molette, Nancy K. Salter

Associate Professors: Howard Coughlin, Rita Malenczyk, Elena Tapia

Assistant Professors: Meredith Clermont-Ferrand, Susan DeRosa, Meredith James,

Jian-Zhong Lin, Barbara Little Liu, Kenneth McNeil, Christopher Torockio,

Deborah Uman

Major: English (BA)

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 major requires the completion of 36 credits beyond the General Education Requirements.

The major must include:

1. Two survey courses chosen from ENG 210, ENG 211, ENG 212, ENG 213, ENG 214, and ENG 215.
2. One course in literature by women writers chosen from ENG 228, ENG 324, ENG 356, or ENG 357.
3. One course in ethnic literatures chosen from ENG 255, ENG 256, ENG 258, ENG 259, ENG 344, or ENG 345.
4. ENG 203 Writing for English Majors. Equivalent to University Examination of Writing Competency.
5. At least three 300-level courses. Internships and Independent Studies do not count in this category, but may be used as Electives.
6. Two 3 credit sequential seminars: ENG 461-462. (Meets writing intensive requirement.)

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 36 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.

The English Department requires each English major to turn in a writing portfolio as a graduation requirement. This portfolio must consist of the following six items:

- One paper from ENG 203, Writing for English Majors
 - One paper from any survey course (ENG 210, 211, 212, 213, 214, or 215)
 - 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 in the Department office)

Upon completing the portfolio, the student will have ENG 075 entered on his/her transcript. The department chair will report completed students to the Registrar.

Suggested Course Sequence: English Major (B.A.)

Check all course descriptions for prerequisites before planning course schedule. 36 credits are required for the English Major.

First Year

	General Education Requirements	12-18
ENG 100	College Writing	3
MAT ***	Math Course Beyond Algebra II	3
CSC 100	Computer Concepts	3
ENG 1** or 2**	English course elective such as ENG 125, 225, 226, 227, 240	3
	Electives; HPE 103 especially recommended.	3-6
Total		30 credits

Second Year

	General Education Requirements	9-12
	Foreign Language	0-6
ENG 203	Writing for English Majors	3
ENG 2** or or	including 228, 255, 256, 258 Women Writers Ethnic Literatures ENG surveys including 210/211; 212/213; 214/215	3 6
	Electives	3-12
Total		30 credits

Third Year

	General Education Requirements	4-7
ENG 356/357 or	Women Writers	3
ENG 344/345 ENG 3**	Ethnic Literatures English Elective	3 3-9
	Electives	5-14
Total		30 credits

Fourth Year

	General Education Requirements	3-6
ENG 3**/4**	English Electives	6-9
ENG 461-462	Seminar sequence	6
	Electives	9-12
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 GER and beyond the English writing requirement. Courses to be counted must receive a grade of 2.0 or higher. At least 9 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.

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

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 expanded 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 EXPOSITORY WRITING* 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.

Development of advanced skills in research and composition including strategies in writing for different disciplines.

ENG 203 WRITING FOR ENGLISH MAJORS 3 CREDITS

Note: Required of majors in the sophomore year. Enrollment limited to 15 students.

An advanced course in critical writing about literature.

- 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 twentieth 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 beginning 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 Rossettis, 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
Types of drama, study of theme, action, character. Major plays by dramatists of the classical, Renaissance, 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 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 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 AFRICAN AMERICAN LITERATURE* 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 and women in history.

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.

ENG 280 creative nonfiction: writing the private and public “I” 3 CREDITS

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.

All students taking courses in languages and literature on the 300 and 400 levels should have completed ENG 100 and ENG 100 or 200 level literature course.

ENG 300 BUSINESS AND TECHNICAL WRITING 3 CREDITS

This course is designed to provide students with some exposure to the enormous field of business 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

Note: Enrollment limited to 15 students.

An advanced course in writing fiction.

ENG 302 WRITING POETRY 3 CREDITS

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, linebreaks, 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 308 (THE 308) PLAYWRITING 3 CREDITS

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 316 Medieval British literature 3 CREDITS

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; examine selected readings as works of literature.

ENG 317 Renaissance Literature 3 CREDITS

In the sixteenth and early seventeenth 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

The literary age in England from 1660 to 1740. 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 and Jonathan Swift.

ENG 319 AGE OF SENSIBILITY 3 CREDITS

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 3 CREDITS

Selected readings of the major writers with emphasis on poets, dramatists, and essayists.

ENG 321 VICTORIAN NOVEL 3 CREDITS

English novelists of the period 1837 -1900. Includes Thackeray, Dickens, Trollope, Gaskell, the Brontes, Eliot, Meredith, and Hardy.

ENG 322 THE ROMANTIC PERIOD 3 CREDITS

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 SEVENTEENTH CENTURY ENGLISH POETRY 3 CREDITS

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

Course will emphasize theme, style, and society in the works of fiction written by Latin American women.

ENG 325 MODERN DRAMA* 3 CREDITS

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

Selected plays of America and Europe from 1950 to the present.

ENG 328 CHILDREN'S LITERATURE 3 CREDITS

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

Note: Meets the 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 332 MODERN BRITISH AND AMERICAN POETRY 3 CREDITS

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

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

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

Major comedies and romances.

ENG 336 SHAKESPEARE'S TRAGEDIES 3 CREDITS

Major tragedies and histories.

ENG 337 CHAUCER 3 CREDITS

The works of Geoffrey Chaucer with emphasis on the Canterbury Tales.

ENG 340 HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE 3 CREDITS

Note: Meets the 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

Note: Meets the 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 344 LITERATURE OF AFRICA* 3 CREDITS

An immersion in the culture of Africa through exposure to the works of its major writers.

ENG 345 AMERICAN ETHNIC MINORITY LITERATURE 3 CREDITS

Examines the experience of ethnic minority groups in the United States as reflected in their literature.

ENG 353 Storytelling 3 CREDITS

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

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

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) TWENTIETH 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.

ENG 358 LITERARY CRITICISM 3 CREDITS

Major documents of critical theory from Plato to the present.

ENG 365 TOPICS IN LITERATURE OR LANGUAGE 3 CREDITS

Topic to be determined by student request or instructor discretion.

ENG 370 COMPOSITION THEORY AND PEDAGOGY 3 CREDITS

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 RHETORIC AND RHETORICAL THEORY 3 CREDITS

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

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 420 (AMS 420, HIS 420) SEMINAR IN AMERICAN CIVILIZATION 3 CREDITS

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

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.

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: SEMINAR I

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

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 4 CREDITS

Interns assist English professors in ENG 100.

ENG 494 INTERNSHIP IN COLLEGE ENGLISH 3-6 CREDITS

Interns assist instructors in various courses. By invitation only.

ENG 495 INTERNSHIP IN WRITING AND EDITING 1-6 CREDITS

ENG 499 DIRECTED RESEARCH 1-6 CREDITS

Project plan and written permission required.

Department of Environmental Earth Science

Chairperson: Roy R. Wilson

Assistant Chairperson: Sherman M. Clebник

Professors: Sherman M. Clebник, Roy R. Wilson

Associate Professors: Catherine A. Carlson, James A. Hyatt

Assistant Professors: Peter Drzewiecki

Major: Environmental Earth Science (BS)

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 (1) the materials, processes, and features of the earth; (2) the ever-changing face of the earth over time; and (3) the ways in which earth scientists investigate the earth to address environmental concerns. The student gains this knowledge about our planet from a sequence of required and elective earth science courses offered in two tracks. The student selects one track to follow. In addition, 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 environmental concerns such as environmental management, geologic hazards, and groundwater contamination; the General Earth Science track focuses on understanding the earth system in a more general way and 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 or earth science questions. The department also offers minors in geographic information systems (GIS) and hydrogeology. The GIS minor enables the student to apply their earth science education to environmental problems using an advanced computer modeling system. The Hydrogeology minor will be especially helpful to those anticipating future involvement in water resource and pollution projects.

The department's primary objective is to prepare its majors for positions as environmental technicians/scientists, environmental analysts, or earth science teachers. Prospective teachers should consult the Education Department for certification requirements. The department also encourages its majors to pursue graduate studies.

Degree Requirements (BS)

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. Students majoring in Environmental Earth Science are exempt from the University's General Education Natural Science Requirement (IIIB).

Environmental Earth Science Track Requirements (BS)

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

II. Advanced EES Courses (9-12 credits)

Three of the following are required; at least one must writing intensive (WI).

EES	320	Natural Resource Management (WI)
EES	326	Geologic Hazards (WI)
EES	336	Applied Hydrogeochemistry (WI)
EES	342	Advanced Geographic Information Systems (WI)
EES	422	Groundwater Hydrology
EES	424	Glacial and Quaternary Geology
EES	436	Introduction to Contaminant Hydrogeology (WI)
EES	444	GIS Applications in Environmental Science (WI)
EES	460-2	Special Topics in Earth Science

III. Required Courses in Related Areas (19 credits)

CHE	210-13	General Chemistry I and II with labs
MAT	243	Calculus I w/ Technology
PHY	204/205	Physics I and Physics II, or
PHY	208/209	Physics I w/Calculus and Physics II w/ Calculus

IV. Recommended Electives

BIO	308	General Ecology
CSC	110	Introduction to Problem Solving with Pascal
CHE	216	Organic Chemistry I
CHE	217	Organic Chemistry II
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
MAT	216	Statistical Data Analysis
MAT	244	Calculus II w/ Technology
MAT	340	Calculus III

V. Recommended Minors

A minor is not required. However, 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 (BS)

I. Core EES Courses (36 credits)

Same as required for Environmental Earth Science track under part I.

II. Writing Intensive EES Course (3-4 credits)

One of the following

EES	320	Environmental Management (WI)
EES	326	Geologic Hazards (WI)
EES	336	Applied Hydrogeochemistry (WI)
EES	342	Advanced Geographic Information Systems (WI)
EES	436	Introduction to Contaminant Hydrogeology (WI)

III. Required Courses in Related Areas (19 credits)

Same as required for Environmental Earth Science track under part III except MAT 216 may be substituted for MAT 243.

IV. Natural Science Courses (7-8)

Two of the following are required, all three are recommended.

AST	214	Descriptive Astronomy
EES	200	Oceanography
PHY	217,	Meteorology

or

EES	362	Climate and Weather
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V. Recommended Electives

BIO	308	General Ecology
CSC	110	Introduction to Problem Solving with Pascal
CHE	216	Organic Chemistry I
CHE	217	Organic Chemistry II
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
MAT	216	Statistical Data Analysis
MAT	244	Calculus II w/ Technology
MAT	340	Calculus III

Recommended Course Sequence: Environmental Earth Science Track (BS)

First Year

EES	104	Dynamic Earth	4
EES	130	Ancient Environments	4
CHE	210	General Chemistry I	4
CHE	211	General Chemistry II	4
CSC	110	Introduction to Problem Solving with Pascal	3
ENG	100	College Writing	3
MAT	130	Precalculus Mathematics	3
		GER	6

Total 31 credits

Second Year

EES	224	Landform Analysis	4
EES	330	Mineralogy and Rock Analysis	4
MAT	243	Calculus I w/ Technology	3
MAT	244	Calculus II w/ Technology	3
MAT	216	Statistical Data Analysis	3
		GER	8-12

Total 29-33 credits

Third Year			
EES	322	Elementary Hydrology	4
EES	340	GIS	4
EES	344	Sedimentology and Stratigraphy	4
EES	350	Field Methods	4
PHY	204	Physics I, or	
	208	Physics I w/ Calculus	4
PHY	205	Physics II, or	
	209	Physics II w/ Calculus	4
		GER	6
Total			30 credits
Fourth Year			
EES	356	Structural Geology and Environmental Applications	4
EES	***	Advanced EES courses	6-8
EES	480	Independent Study	3-6
		Electives and GER	12-15
Total			29-32 credits
Recommended Course Sequence: General Earth Science Track (BS)			
First Year			
EES	104	Dynamic Earth	4
EES	130	Ancient Environments	4
EES	200	Oceanography	3
CHE	210	General Chemistry I	4
CHE	211	General Chemistry II	4
CSC	110	Introduction to Problem Solving with Pascal	3
ENG	100	College Writing	3
MAT	130	Precalculus Mathematics	3
		GER	3-6
Total			31-34 credits
Second Year			
AST	214	Descriptive Astronomy	4
EES	224	Landform Analysis	4
EES	330	Mineralogy and Rock Analysis	4
MAT	243	Calculus I w/ Technology	3
MAT	244	Calculus II w/ Technology	3
MAT	216	Statistical Data Analysis	3
PHY	217	Meteorology	3
	or		
EES	362	Climate and Weather	
		GER/Education Courses	6
Total			30 credits
Third Year			
EES	322	Elementary Hydrology	4
EES	340	GIS	4
EES	344	Sedimentology and Stratigraphy	4
EES	350	Field Methods	4
PHY	204	Physics I, or	

	208	Physics I w/ Calculus	4
PHY	205	Physics II, or	
	209	Physics II w/ Calculus	4
		GER/Education Courses	9
Total			33 credits

Fourth Year

EES	356	Structural Geology and Environmental Applications	4
EES	***	Writing Intensive EES Course	3-4
		GER/Education Courses	24-27
Total			31-35 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)

Coordinator: Roy R. Wilson

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. 9 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

Any two of the following courses:

Environmental Earth Science

EES	224	Landform Analysis	4
EES	320	Environmental Management	3
EES	322	Elementary Hydrology	4
EES	326	Geologic Hazards	3
EES	350	Field Methods in Earth Science	4
EES	422	Groundwater Hydrology	4

Biology

BIO	234	Population Biology	3.5
BIO	308	General Ecology	3
BIO	440	Aquatic Biology	4
BIO	442	Plant Ecology	4
BIO	444	Population and Community Ecology	4
BIO	446	Terrestrial Ecology	4

Other courses may be substituted with the permission of Dr. Wilson

Minor: Hydrogeology

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 advisor. 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.

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

Courses of Instruction: Environmental Earth Science

EES 104 DYNAMIC EARTH with Laboratory* 4 CREDITS

Note: Not open to students who have completed EES 110.

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, like volcanic and seismic activity, glaciation, and rivers. Three hours lecture, two hours laboratory.

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, like volcanic and seismic activity, glaciation, and rivers. Three hour lecture.

EES 130 ANCIENT ENVIRONMENTS with Laboratory 4 CREDITS

PREREQUISITE: EES 104

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 224 LANDFORM ANALYSIS with Laboratory 4 CREDITS

PREREQUISITES: 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 304 ENVIRONMENTAL ISSUES* 3 CREDITS

An interdisciplinary course for nonscience majors exploring the relationships between natural, social, and political systems and environmental problems. Issues such as air and water pollution, energy resources, and hazardous waste are covered.

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 320 environmental MANAGEMENT 3 CREDITS

This course will give students a toolbox of analytical techniques used in natural resources management. The objective is to prepare students to work in private or public sector environmental analyst positions. Topics will include environmental law, environmental impact analysis, and environmental modeling.

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 326 GEOLOGIC HAZARDS 3 CREDITS

PREREQUISITES: EES 224,330

Theory and case studies of natural hazards including volcanism, earthquakes, tsunami, and landslides and related mass movements. Geological and geophysical techniques used for classification, prediction, and decision-making.

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 rocks, especially the igneous and metamorphic families. Three hours lecture; three hours laboratory.

EES 336 APPLIED HYDROGEOCHEMISTRY with laboratory 4 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. Three hours lecture, three hours lab.

EES 340 GEOGRAPHIC INFORMATION SYSTEMS with Laboratory 4 CREDITS
PREREQUISITES: 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 ADV. 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 sediments. Mapping of geologic aspects for academic or practical purposes. Use of Brunton compass. 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 like folds 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 360 IMPACT OF the ICE AGE* 3 CREDITS
Note: Not open to EES majors; majors see EES 424.

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. Some class meetings may be field trips involving walking.

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 363 U.S. NATIONAL PARKS – A GEOLOGICAL PERSPECTIVE* 3 CREDITS
Study of geological processes and history of U.S. National Parks. Local legends, history, and development of selected parks.

EES 364 GEOLOGICAL setting of connecticut* 3 CREDITS
An exploration of the landscape and geological features of Connecticut and environs. The development of the underlying rock, the influence of glaciation, and related resource aspects will be covered. Local field trips will occur during some class times.

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, but the situation does not qualify as an internship, directed research, or an independent study. Hours to be arranged.

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
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 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.

History

Chairperson: Stacey K. Close

Professors: Ann R. Higginbotham, Emil Pocock, Barbara M. Tucker

Associate Professors: David Frye, Stacey K. Close, Catherine Lynch, Joan E. Meznar

Assistant Professors: Anna D. Kirchmann

Majors: History or History and Social Sciences (BA)

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 (BA)

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 6 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
CSC 100	Computer Concepts	3
	General Education Requirements	12-15
HIS 120	Early American Experience	3
HIS 121	Recent American Experience	3
	Electives	0-3
Total		30 credits

Second Year

	General Education Requirements	9-12
HIS 200	Historical Research & Writing	3
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

	General Education Requirements	4-7
HIS 2**/3**	History Electives	6-12
	Minor	0-6
	Electives	5-14
Total		30 credits

Fourth Year

	General Education Requirements	3-6
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HIS	3**/4**	History Elective	3
HIS	400-420	Seminar	3
		Minor	0-6
		Electives	15-18
Total			30 credits

Major: History and Social Science (BA)

I. Required Courses (9 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 (3 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 5 courses from the following disciplines. Students seeking certification as secondary school teachers should select courses from at least 4 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 3 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
CSC	100	Computer Concepts	3
		General Education Requirements	9-12
HIS	120/121	Early/Recent American Experience	0-3
		Social Science Electives	6-9

Total
Second Year 30 credits

		General Education Requirements	9-12
HIS	231/230	Western Civilization	3
HIS	200	Historical Research & Writing	3
HIS	2**/3**	History Electives	3-6
		Social Science Discipline	3-6
		Minor	0-3
		Electives	0-3

Total
Third Year 30 credits

		General Education Requirements	4-7
HIS	3**	History Electives	3-6
		Social Science Discipline	3-6
		Minor	0-6
		Elective	5-17

Total
Fourth Year 30 credits

		General Education Requirements	6-9
HIS	3**	History Elective	3
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 6 of the 15 credits must be at the 300 -level or above, and 9 credits must be completed at Eastern.

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 the united states and 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 480 INDEPENDENT STUDY

PREREQUISITE: CONSENT OF INSTRUCTOR

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 fifteenth century to the emergence of global civilization in the twentieth 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 174 (Soc 174, psc 174, fyr 174) resources, research and responsibilities 1 CREDIT

This course 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.

HIS 174 may not be used to fulfill any history major or minor requirement.

HIS 200 HISTORICAL RESEARCH AND WRITING 3 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 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 twentieth 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 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 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-nineteenth 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 thirteen 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 307 CIVIL WAR AND RECONSTRUCTION 3 CREDITS

Did the United States develop a political and social identity in the early nineteenth 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 nineteenth 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 twentieth 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 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 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 342 modern latin america 3 CREDITS

The history of Spanish and Portuguese American 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 plus Panama and Belize are also covered. Social and economic roots of the region's problems will be stressed.

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 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-nineteenth 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 by 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-twentieth 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 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 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 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: John F. Sharlow

Professors: Marsha J. Davis, Stephen A. Kenton

Associate Professors: Salvatrice F. Keating, Mizan R. Khan

Assistant Professors: Anthony Aidoo, Hortencia I. Garcia, Peter Johnson, Christian Yankov
 Major: Mathematics (BA/BS)

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 the Mathematics and Computer Science Department. The student, in the third semester, 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, graduate school, or technical careers in industry or government.

Degree Requirements

The requirements are a total of 39 credits, as indicated below. A grade of less than 2.0 in any 300- or 400-level mathematics course is unacceptable toward a Mathematics major. Students majoring in Mathematics are exempt from the University's General Education Requirements, Section IIIA (Mathematics).

Required Courses

MAT 230 Discrete Structures
 MAT 243 Calculus I with Technology
 MAT 244 Calculus II with Technology
 MAT 300 Abstract Algebra I
 MAT 310 Applied Linear Algebra
 MAT 340 Calculus III
 MAT 420 Real Analysis I
 MAT 421 Real Analysis II
 CSC 231 Computer Programming I

Electives

Any four mathematics courses numbered over 300, but not 303 nor any internships

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
	General Education Requirements	12-15
MAT 130	Precalculus Mathematics	0-4
MAT 243	Calculus I with Technology	3
MAT 244	Calculus II with Technology	3
MAT 230	Discrete Structures	3
CSC 110	Introduction to Problem Solving with C++	3
	Electives	0
Total		30 credits

Second Year

	General Education Requirements	12
	Foreign Language	0-6
MAT 340	Calculus III	3
MAT 341	Differential Equations	3
MAT 300	Abstract Algebra I	3
MAT 310	Applied Linear Algebra	3

CSC 231	Computer Programming I	3
	Minor	0-3
	Electives	0-3
Total		30 credits
Third Year		
	General Education Requirements	7
MAT 420	Real Analysis I	3
MAT 421	Real Analysis II	3
MAT 3**	3	
	Minor	0-6
	Electives	8-17
Total		30 credits
Fourth Year		
	General Education Requirements	3-6
MAT or CSC	Electives	6
MAT 4**	Elective	3
	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.

Secondary 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.

The secondary education option in mathematics leads to certification in grades 7 -12. Students may teach in either a junior or a senior high school.

Facilities

The Department's mathematical computing facilities include a wide range of hardware and software; the department shares resources with the Computer Science Program. Students have access to TI 81 graphing calculators in Precalculus. The department also uses Maple V mathematical software in several of its courses. Students may use a twenty-five station IBM-compatible computer lab, a general computing lab, the Technology Center, or the department's own lab, equipped with a variety of computer equipment.

Courses of Instruction: Mathematics

MAT 098 ALGEBRA I 3 CREDITS

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.

MAT 101 intermediate algebra 3 CREDITS

PREREQUISITE: mat 098 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 analytical geometry.

MAT 110 (csc 110) problem solving with computers 3 CREDITS

PREREQUISITE: mat 101 or equivalent; not open to students who have passed csc 210

This course is for students with little or no programming experiences. An introduction to problem solving using structured C++ as a vehicle.

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 political science, sociology, ecology, geography, visual arts and geometry. Mathematical methods are used to examine how groups make voting decisions, achieve power, divide resources, resolve conflicts; to study landscape species patterns, economic and biological population growth, and artistic and mosaic patterns.

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, rations, and finally 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 215.

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 205) MATHEMATICS FOR ECONOMICS & BUSINESS ADMINISTRATION* 3 CREDITS

PREREQUISITES: ECO 200 AND ECO 201; MAT 101

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, technology-reliant course in applied statistics. Topics selected from exploratory data analysis (EDA), probability and statistical inference. Emphasis placed on interpretation and analysis of real-data sets. Students introduced to statistical computing software.

MAT 230 DISCRETE STRUCTURES II 3 CREDITS

PREREQUISITE: MAT 130 OR PLACEMENT AT THIS LEVEL

Introduction to set theory and logic, relations and functions, methods of proof.

MAT 231 (csc 231) computer programming ii 3 CREDITS

A course in java applets and applications. Abstract Data Types, classes and object-oriented programming will be covered.

MAT 243 CALCULUS I WITH TECHNOLOGY* 3 CREDITS

PREREQUISITE: MAT 130 OR PLACEMENT AT THIS LEVEL

Study of limits, continuity, differentiation and integration.

MAT 244 CALCULUS II WITH TECHNOLOGY 3 CREDITS

PREREQUISITE: MAT 243

Techniques of integration, trigonometric and inverse functions, parametric equations, infinite series.

MAT 300 ABSTRACT ALGEBRA I 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 noncomputational, 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 MATHEMATICAL STATISTICS I 3 CREDITS

PREREQUISITE: MAT 244

Mathematical study of probability, using theory of differential and integral calculus, random variables and their distributions with application to practical problems.

MAT 316 MATHEMATICAL STATISTICS II 3 CREDITS

PREREQUISITE: MAT 315

Note: This course should be taken by students planning to do graduate study in computer science.

Application of probability to statistical inference, sampling distributions, estimation and hypothesis testing.

MAT 330 ABSTRACT ALGEBRA II 3 CREDITS

PREREQUISITE: MAT 300

Introduction to abstract structures to include commutative and noncommutative groups, rings, integral domains, fields.

MAT 340 CALCULUS III 3 CREDITS

PREREQUISITE: MAT 244

Vector and multi-dimensional 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 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 110 or csc 131 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 375 (AST 375) MATHEMATICAL ASTRONOMY AND ASTROPHYSICS 3 CREDITS

PREREQUISITE: MAT 340

Mathematical problems in cosmology, astrophysics, and celestial mechanics.

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 430 ABSTRACT ALGEBRA III 3 CREDITS

PREREQUISITE: MAT 330

Continuation of MAT 330. Emphasis will be on fields, field extensions, linear algebra.

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. Corequisite: 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.

Department of Modern and Classical Languages

Chairperson: Agustin Bernal

Associate Professor: Sonia Cintrón-Marrero

Assistant Professors: Michèle Bacholle, Agustin Bernal, Kin 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 at several levels 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.

Students in our programs will gain professional skills that will prepare them to enter a wide range of careers. Students in the program 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 (BA)

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 here and 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 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 1 credit courses to complete the 30 -credit major requirement.

No Spanish course graded below a 2.0 in courses numbered 200 and above will be allowed for credit toward the 30-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
	General Education Requirements	12-18
	Electives	3-6
Total		30 credits

Second Year

SPA 210	Intermediate Spanish I	3
SPA 211	Intermediate Spanish II	3
MCL 365	Special Topics	3
	General Education Requirements	12-15
	Electives	9-12
Total		30 credits

Third Year

SPA 310	Advanced Spanish I	3
SPA 311	Advanced Spanish II	3
SPA 312	Conversation & Composition	3
SPA 315	Spanish for Speakers	3
MCL 324	Women Writers of Latin America	3
	General Education Requirements	9-12
	Electives	6-9
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
	Electives	12
SPA 430	Methods of Teaching Foreign Languages	3

(prospective teachers only)

Total

30 credits

Minors: French, Modern Languages, Spanish, Latin American Studies

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 6 credits and choose 9 other credits according to their interests. 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 6 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 ECSU

SPA 318	Latin American Civilization
SPA 323	Latin American Literature
HIS 345	History of Mexico
HIS 346	Central America
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 ECSU or other universities with the consent of the Coordinator.

4. Independent studies courses that focus on a Latin America -related issue.

Minor: Modern Languages

9 credits in one language beyond elementary level; 6 credits in another language

Minor: Spanish

15 credits beyond elementary level (i.e., SPA 110/111)

Courses of Instruction: French Language and Literature

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 issue. 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: 2 YEARS OF HS FRENCH OR 1 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: FRE 210-211 OR CONSENT OF INSTRUCTOR.

Note: May be repeated with credit with a change of topic.

Selected topics in French literature, language, or culture

FRE 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.

ITA 110 Introductory Italian I 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.

ITA 111 INTRODUCTORY ITALIAN II 3 CREDITS

PREREQUISITE: ITA 110 OR CONSENT OF THE INSTRUCTOR

Introductory Italian II, a continuation of Italian I, is 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.

Courses of Instruction: Modern and Classical Languages

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.

MCL 324 (ENG 324, WST 324) LITERATURE BY WOMEN AUT HORS 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.

ENG 375 (MCL 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 492 DIRECTED STUDY 3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Courses of Instruction: Spanish Language and Literature

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 CREDITS
 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 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 210-211 OR CONSENT OF INSTRUCTOR
 Study of development of Spanish culture.

SPA 318 LATIN AMERICAN CIVILIZATION* 3 CREDITS
 PREREQUISITE: SPA 210-211 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
 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.

ENG 375 (MCL 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.

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 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. 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.

Department of performing arts

Chairperson: Ellen Faith Brodie

Professors: Eldon Downing, Robert M. Lemons

Associate Professors: Ellen Faith Brodie, Okon Hwang, Robert E. Ritz

Assistant Professors: Richard W. Jones-Bamman, Anthony Cornicello, David Pellegrini

Major: Fine Arts (BA)

Dance, Film, Music, Theatre, Visual Arts

Objectives

The Performing Arts Department offers an interdisciplinary major designed for students to study the arts in a humanities context by emphasizing history, theory, performance, and criticism.

Particular attention has been paid to provide opportunities for students to understand the integrated nature of the arts within traditional humanistic concepts.

The Fine Arts major consists of three parts:

- I. The Major Core (21 credits);
- II. Discipline Tracks (15 credits);
- III. Activity or Performance (3 credits).

No grade of less than 2.0 may be counted toward requirements for Fine Arts majors.

I. The Major Core. (21 credits) Students are required to complete 9 credits of specifically designated FAH/FAR courses listed below. In addition, students must select 12 credits from the DNC, FLM, THE, ART, and MUS courses listed in the Major Core. Students must take four (4) courses in three (3) or four (4) areas from courses listed. No more than two (2) courses should be selected from lower division (100 or 200 level) courses.

II. Discipline Tracks. (15 credits) Students must select one of the discipline tracks and complete 15 credits in the track chosen. Students may choose one of the following: Art History and Criticism; Art Studio; Dance; Fine Arts History, Theory, and Criticism; Music History and Literature; Music Performance; Music Theory; and Theatre.

III. Activity or Performance. (3 credits) Each student must demonstrate some participation in an art to complete the course of study. This requirement may be met by fulfilling three (3) additional credits in a studio or performance course in dance, painting, music, or acting. Alternatively, majors may offer proof of 135 clock hours of participation in some performance aspect of an extra-curricular activity involving the arts.

Fine Arts Majors are exempt from the GER IIB category.

Fine Arts Majors may not use the same course to satisfy both Major and GER requirements.

Degree Requirements

I. Major Core: 21 credits

Required Courses (9 credits)

FAH 300 The Arts and Civilization I: To the Renaissance

FAH 301 The Arts and Civilization II: Renaissance to the Present

FAR 487 Special Projects in Fine Arts

Core Discipline Electives (12 credits of four courses in at least three areas — no more than two can be selected from 100 or 200 level courses):

Fine Arts/Art

ART 100 Introduction to Studio Art (may only be used by students not planning to take any other Studio Art course)

ART 109 Drawing I (required of students taking the Art Studio track)

ART 110 Two-Dimensional Design (required of students taking Art Studio track)

ART 111 Three-Dimensional Design

ART 211 Introduction to Art History: Prehistory to 1400 (must be taken as a prerequisite for the Art History and Criticism track)

ART 212 Introduction to Art History: 1400 to the present

ART 340 Modern Art

ART 360 American Art

ART 365 Special Topics in Art

Fine Arts/Dance

DNC 130 Introduction to Dance History

DNC 330 Concepts of Dance

DNC 346 Improvisation

DNC 365 Special Topics in Dance

Fine Arts/Film

FLM 101 Introduction to Film
FLM 321 Film Appreciation: American Cinema
FLM 322 Film Appreciation: World Cinema

Fine Arts/Music

MUS 120 Introduction to Music
MUS 130 Music Cultures of the World
MUS 250 Electronic Music I
MUS 304 Music of the Twentieth Century
MUS 308 Opera
MUS 310 Music in America
MUS 312 History and Literature of the Keyboard
MUS 314 Folk Music
MUS 365 Special Topics in Music

Fine Arts/Theatre

THE 170 Introduction to Theatre Arts
THE 275 Technical Theatre and Design
THE 370 World Theatre History I: Ancient to the 17th Century
THE 371 World Theatre History II: 17th Century to the Present
THE 373 Dramatic Theory and Criticism

II. Discipline Tracks: 15 credits

Art History and Criticism Track

Choose 15 credits from the following:

ART 340 Modern Art
ART 355 Women and the Visual Arts
ART 360 American Art
ART 365 Special Topics in Art
ART 369 African American Art
ART 402 Issues in Contemporary Art

Art Studio Track

Choose 15 credits from the following:

ART 109 Drawing I
ART 110 Two-Dimensional Design
ART 111 Three-Dimensional Design
ART 112 Color Theory
ART 114 Ceramics I
ART 119 Jewelry
ART 200 Painting I
ART 201 Relief Printmaking I
ART 205 Water Media
ART 206 Sculpture I
ART 207 Ceramic Sculpture
ART 209 Drawing II
ART 210 Calligraphy
ART 220 Relief Printmaking II
ART 221 Computer Graphics I
ART 306 Wood Sculpture
ART 308 Painting II

- ART 309 Figure Drawing I
- ART 315 Figure Modeling
- ART 320 Water-Based Screen Printing I
- ART 321 Computer Graphics II
- ART 405 Illustration
- ART 408 Advanced Painting
- ART 409 Figure Drawing II
- ART 419 Portfolio Preparation
- ART 420 Intaglio Printmaking
- ART 430 Advanced Drawing
- ART 480 Independent Study

Dance Track

Choose at least 9 credits from the following:

- DNC 130 Introduction to Dance History
- DNC 330 Concepts of Dance
- DNC 346 Dance Improvisation
- DNC 347 Dance Workshop
- DNC 445 Dance Composition

Students must also complete 6 credits from the following:

- DNC 232 Modern Dance I
- DNC 233 Modern Dance II
- DNC 236 Jazz Dance I
- DNC 237 Jazz Dance II
- DNC 242 Ballet I
- DNC 243 Ballet II
- DNC 334 Modern Dance III
- DNC 335 Modern Dance IV
- DNC 338 Jazz Dance III
- DNC 339 Jazz Dance IV
- DNC 344 Ballet III
- DNC 345 Ballet IV

Fine Arts History, Theory and Criticism Track

Select 15 credits in no fewer than two areas. Prerequisites may not count toward fulfilling the track:

- ART 211 Introduction to Art History; Pre-History to 1400
- ART 212 Introduction to Art History: 1400 to Present
- ART 340 Modern Art
- ART 355 Women and the Visual Arts
- ART 360 American Art
- ART 369 African American Art
- ART 402 Issues in Contemporary Art
- DNC 330 Concepts of Dance
- FLM 321 Film Appreciation: American Cinema
- FLM 322 Film Appreciation: World Cinema
- MUS 304 Music of the Twentieth Century
- MUS 308 Opera
- MUS 312 History and Literature of the Keyboard

THE 370 World Theatre History I: Ancient to the 17th Century
THE 371 World Theatre History II: 17th Century to the Present
THE 373 Dramatic Theory and Criticism

Music History Track

Select 15 credits from the following:

MUS 130 Music Cultures of the World
MUS 304 Music of the Twentieth Century
MUS 308 Opera
MUS 310 Music in America
MUS 312 History and Literature of the Keyboard
MUS 314 Folk Music
MUS 350 Electronic Music II [Prerequisite: MUS 250]
MUS 365 Special Topics in Music

Music Performance Track

A successful audition by the end of the sophomore year is required to enroll in this track. Applicants must demonstrate advanced performance ability on a keyboard, woodwind, brass, percussion, string instrument, or voice. Student must complete 15 credits as follows:

Required Courses

MUS 305 Theory of Music I with MUS 315 Sight Singing and Ear Training Lab I
MUS 306 Theory of Music II with MUS 316 Sight Singing and Ear Training Lab II

Additionally, student must select 3 credits from the following:

MUS 304 Music of the Twentieth Century
MUS 308 Opera
MUS 310 Music in America
MUS 312 History and Literature of the Keyboard
MUS 365 Special Topics in Music

And 4 credits in Music Performance from the following:

MUS 103 Chorus
MUS 107 Concert Band
MUS 112 Piano Ensemble
MUS 113 Jazz Ensemble
MUS 211 Class Piano I: Introduction
MUS 213 Class Guitar I
MUS 225 Class Voice I
MUS 311 Class Piano II: Intermediate
MUS 313 Class Guitar II
MUS 325 Class Voice II
MUS 355 Individual Music Instruction
MUS 455 Individual Music Instruction

Music Theory Track

Select 15 credits as follows:

MUS 305 Theory of Music I with MUS 315 Sight Singing and Ear Training Lab I
MUS 306 Theory of Music II with MUS 316 Sight Singing and Ear Training Lab II

Three credits in the 300 and 400 level music history, literature, or electronic music; also, four credits in music performance courses. These seven credits should be selected in consultation with an advisor or the coordinator of the discipline.

Theatre Track

Select 15 credits as follows:

9 credits must be selected from:

THE	170	Introduction to Theatre Arts
THE	270	Introduction to Directing
THE	271	Advanced Directing
THE	272	Introduction to Acting
THE	275	Technical Theatre and Design
THE	392	Theatre Practicum

6 credits must be selected from:

THE	370	World Theatre History I: Ancient to the 17th Century
THE	371	World Theatre History II: 17th Century to the Present
THE	372	Great Roles: Period Styles of Acting
THE	373	Dramatic Theory and Criticism
THE	374	Great Scripts: Period Styles of Directing

Theatre track students and Theatre minors must participate in some capacity in an on -campus major production. Theatre practicum credit may be granted for this participation.

Recommended Course Sequence: Fine Arts Major (B.A.)

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
ART	***	Major Core Electives (or MUS,THE,DNC) Electives	0-6 0-3
Total			30 credits

Second Year

		General Education Requirements	12-15
		Foreign Language	0-6
ART	***	Major Core Electives (or MUS,THE,DNC) Minor Electives	0-6 0-3 3-9
Total			30 credits

Third Year

		General Education Requirements	4-7
FAH	300	The Arts and Civilization I: To the Renaissance	3
FAH	301	The Arts and Civilization II: Renaissance To the Present	3
ART	***	Major Core and Track Electives (or MUS,THE,DNC) Minor	5-14 0-6
Total			30 credits

Fourth Year

		General Education Requirements	3-6
FAH	487	Special Projects In Fine Arts/Humanities	3
ART	***	Major Core Electives	0-9

ART ***	(or MUS,THE,DNC) Major Track Electives	9-12
	(or MUS,THE,DNC) Minor	0-6
	Electives	9-12
Total		30 credits

Minor: Fine Arts

Students may also earn a Fine Arts minor by completing any one of the above 15 credit tracks.

Courses of Instruction: Art - See Department of Visual 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 more 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

Courses of Instruction: Fine 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: Fine 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.

FAH 240 Style in the Arts* 3 CREDITS

A team-taught course intended to introduce students to the basic concepts and characteristics of two fine arts mediums (may be any combination of dance, music, theatre, visual arts) by studying examples of those mediums from various cultures and historical periods. Style (formal components), subject matter, social/historical context, the artist intentions and relationships between the arts will be examined in order to understand how the fine arts communicate. It is assumed students have had no (or minimal) background in the fine arts.

FAH 300 THE ARTS AND CIVILIZATION I: TO THE RENAISSANCE 3 CREDITS

Historical perceptions of the nature of the arts and the cultures, which they influenced and from which they emerged. Chronological organization, Egyptian, Greek, Roman, Medieval, will create awareness of the integrated nature of artistic and humanistic studies.

FAH 301 THE ARTS AND CIVILIZATION II: RENAISSANCE TO THE PRESENT 3 CREDITS

Historical perceptions of the nature of the arts and the cultures which they influenced and from which they emerged. Chronological organization, the Renaissance, the Reformation, and evolution of the Modern era, will create awareness of the integrated nature of artistic and humanistic studies.

FAH 365 SPECIAL TOPICS IN FINE ARTS 3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Study for advanced students in Fine Arts.

FAH 480 INDEPENDENT STUDY IN FINE ARTS 3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT
CHAIRPERSON AND DEAN

Independent work in Fine Arts.

FAR 487 SPECIAL PROJECTS IN FINE ARTS/HUMANITIES 3 CREDITS

PREREQUISITE: FAH 300 OR FAH 301 OR CONSENT OF INSTRUCTOR

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 Fine Arts/Humanities major.

Courses of Instruction: Fine 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

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: 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 111 CHAMBER ENSEMBLE 0.5 CREDIT

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: May be repeated for credit.

Development of individual and small ensemble performance techniques for instrumentalists: brass, woodwinds, recorders, strings, percussion.

MUS 113 JAZZ ENSEMBLE 0.5 CREDIT

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: May be repeated for credit.

A study of jazz styles through the rehearsal and performance of selected works. Specific compositions are chosen based on the instrumentation and experience of those registered for the course.

Introduction to Music History, Music Literature and the Fine Arts

MUS 120 INTRODUCTION TO MUSIC* 3 CREDITS

Designed to improve students' ability as perceptive listeners 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.

Theory of Music, Electronic Music and Acoustics

MUS 200 FUNDAMENTALS OF MUSIC* 3 CREDITS

A study of the basic fundamentals of Western music including pitch, clef, staff, scales, intervals, key signatures, triads and chords.

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 305 THEORY OF MUSIC I 3 CREDITS

Basic music theory and its application with instruction in written harmony, sight reading, form analysis, and composition.

MUS 306 THEORY OF MUSIC II 3 CREDITS

Continuation of MUS 305.

MUS 315 SIGHT SINGING AND EAR TRAINING LAB I 1 CREDIT

Lab to accompany MUS 305.

MUS 316 SIGHT SINGING AND EAR TRAINING LAB II 1 CREDIT

Lab to accompany MUS 306.

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.

Music Performance - Class Instruction

MUS 211 CLASS PIANO I: INTRODUCTORY LEVEL* 3 CREDITS

Introductory class piano experiences for beginners.

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.

MUS 225 CLASS VOICE I* 3 CREDITS

Basic principles of singing as applied in solo and ensemble singing. Sight reading included.

MUS 311 CLASS PIANO II: INTERMEDIATE LEVEL 3 CREDITS

PREREQUISITE: MUS 211 OR CONSENT OF INSTRUCTOR

Note: May be repeated for credit.

A continuation of basic principles of piano as introduced in MUS Class Piano I.

MUS 313 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 325 CLASS VOICE II 3 CREDITS

Note: May be repeated for credit. A continuation of MUS 225.

A study of advanced vocal techniques as applied in solo and ensemble singing. Sight reading included.

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.

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

It is possible to receive approval for college credit for off-campus private instruction. Students must make financial arrangements. A written request for special permission must be made to the chairperson of the Fine Arts Department before instruction begins. The same requirements apply as those pertaining to students studying on-campus.

Advanced Courses in Music History and Literature

MUS 302 AMERICAN POPULAR MUSIC 3 CREDITS

PREREQUISITES: MUS 120 OR MUS 130

The course is a 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.

MUS 304 MUSIC OF THE TWENTIETH 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 365 SPECIAL TOPICS IN MUSIC 3 CREDITS

A course in which special topics of interest in music provides the content.

Music in the Elementary Schools

MUS 370 MUSIC IN ELEMENTARY CLASSROOM I 1 CREDIT

A five-week course for elementary school pre-service teachers in 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 practice 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 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: Fine 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 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 275 TECHNICAL THEATRE* 3 CREDITS

Lecture/discussion introduction to design principle and conventions, scenery, costumes, sound, lighting, color theory, painting and building, tools and techniques with hands-on work required. Additional hands-on work is encouraged by taking Theatre Practicum concurrently. Work hours in theatre outside of class time is required.

THE 308 (ENG 308) PLAYWRITING 3 CREDITS

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 365 SPECIAL TOPICS IN THEATRE 3 CREDITS

Topics of interest in theatre define the content.

THE 369 AMERICAN THEATRE 3 CREDITS

Theatre and dramatic literature from colonial times to the present. Topics include identification of a unique "American" theatrical tradition; democracy and theatre: and theatre's relationship to "show business," the media and technology.

THE 370 world THEATRE HISTORY: ancient to 17th century 3 CREDITS

Surveys theatre, 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 371 world THEATRE HISTORY: 17th century TO THE PRESENT 3 CREDITS

Surveys world theatre, production innovations, audiences, and representative performance texts and documents. Emphasis on theatre as a site of changing concepts of “modernity,” and diverse national, community, and individual identities.

THE 372 great roles: period styles of acting 3 CREDITS

PREREQUISITE: THE 272

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 379 Asian performance and cultures 3 CREDITS

Examines traditional, modern and contemporary East Asian performance, theatre and drama, within political, sociocultural and religious contexts.

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 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.

Philosophy

Chairperson: Stacey K. Close

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 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	310	Philosophy and Psychology of Religion
PHI	314	Modern Social and Political Thought
PHI	320	American Philosophy
PHI	330	Existentialism and Phenomenology
PHI	365	Special Topics
PHI	420	Philosophy of Science
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 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 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 314 (HIS 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 365 TOPICS IN PHILOSOPHY

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

Department of Physical Sciences

Chairperson: Timothy A. Swanson

Assistant Chairperson: Charles M. Wynn, Sr.

Professors: R. Max Ferguson, Charles M. Wynn, Sr.,

Associate Professors: Zoran Pazameta, Timothy A. Swanson

Assistant Professors: Darrell Koza, Russell Sampson, John M. Toedt

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 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 3 CREDITS

PREREQUISITE: MAT 244; COREQUISITE: MAT 341

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.

Courses of Instruction: Physical Science/Chemistry

See Courses of Instruction: Chemistry, p. 100

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. Principles and use of common meteorological instruments.

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: Stacey K. Close

Assistant Chairperson: James R. Cobbleidick

Professors: James R. Cobbleidick, Christopher Vasilopoulos

Assistant Professors: Nicole Krassas, William Salka

Major: Public Policy and Government (BA)

Objectives

A unique major designed for those students interested in government, public administration, law, public service and the public side of business. The major consists of nine political science courses and three skills courses. The skills courses are provided by elective courses in many different programs (see the list below). In exceptional cases, on the basis of an appeal to the members of the political science faculty, a student may substitute a political science course for a

skills course or a skills course for a political science course. The Public Policy and Government major also 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 Public Policy and Government must complete at least 18 credits at Eastern applied to the Public Policy Major.

Each transfer student's program must be approved by the student's public policy advisor.

All public policy 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.

Four hundred level courses (except internship) may count as political science elective.

Degree Requirements

Required Courses

- A. PSC 110 and PSC 140
- B. PSC 210
- C. Five Political Science course electives at the 200 or 300 level
- D. Three Skills Courses (List Below)
- E. One Four hundred level Course; three options are available: Independent Study, Seminar, Internship

Skills Courses

Majors will select three courses from the list below to fulfill the skills requirement of the major.

The purpose of these courses is to strengthen the background of majors and to enhance their ability to better research and articulate their understanding of political science. Check all courses for prerequisites before planning course schedule.

ANT	201	Intro to Canadian Studies
ANT	337	Urban Anthropology: Third World Focus
BUS	230	Business and Society
BUS	250	Business Law I
BUS	300	Business Law II
BUS	310	Contemporary Issues in Employment Law
BUS	330	Industrial Labor Relations
COM	100	Introduction to Mass Communication
COM	321	History and Criticism of Radio and Television
COM	354	Public Relations
ECO	100	Political Economy of Social Issues
ECO	200	Principles of Macroeconomics
ECO	310	Contemporary Economic Problems
ECO	315	Government and Business
ECO	320	Developing Economies
ECO	329	Political Economy of Labor Relations
ECO	330	Labor Economics
ECO	335	Urban and Regional Economics
ECO	355	Money and Banking (Fed and monetary policy)
ECO	360	Comparative Economic Systems

ECO	380	Public Finance
ENG	242	Literature and Social Issues
PHI	215	Logical Inquiry
PSY	315	Psychology of Gender
SWK	325	Social Welfare Policy
SOC	250	Social Inequality
SOC	301	Qualitative Methods
SOC	309	Criminology

Recommended Course Sequence: Public Policy & Government 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	3
CSC	100	Computer Concepts	3
		General Education Requirements	12
PSC	110	American Government and Politics	3
PSC	140	International Relations	3
PSC	210	Political Science Research Methods	3
Total			30 credits

Second Year

		General Education Requirements	12-15
PSC	2**/3**	Political Science Elective	3
PSC	2**/3**	Political Science Elective	3
		Skills Course	3
		Skills Course	3
		Minor	3-6
		Electives	5-18
Total			30 credits

Third Year

		General Education Requirements	4-7
PSC	2**/3**	Political Science Elective	3
PSC	2**/3**	Political Science Elective	3
		Skills Course	3
		Minor	3-6
		Electives	5-18

Fourth Year

		General Education Requirements	3-6
PSC	2**/3**	Political Science Elective	3
PSC	4**	Political Science Elective	3-15
		Approved Non-PSC Elective	3
		Minor	3-6
		Electives	6-15
Total			30 credits

Minor: Public Policy and Government

To earn a Public Policy and Government minor, a student must take 24 credits of political science and related skill courses. Seven of the 24 credits may also be used to satisfy the

requirements of either the General Education Requirements or a major or second minor when appropriate.

Required Courses

A. PSC 110 and PSC 140

B. Three political science electives

Transfer students must complete at least 9 political science credits in courses applied to the minor at Eastern in a program approved by the student's public policy advisor. The cumulative grade point average in course applied toward the Public Policy minor must be 2.0 or better.

Courses of Instruction: Political Science – Public Policy and Government

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 174 (Soc 174, HIS 174, fyr 174) resources, research and responsibilities 1 CREDIT

This course 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.

PSC 174 may not be used to fulfill any public policy and government major requirements.

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 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 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 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 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 420 SEMINAR: THE UNITED STATES AND ASIA 3 CREDITS

Research and analysis of current American foreign policy problems in Asia.

PSC 422 SEMINAR: THE UNITED STATES AND THE MIDDLE EAST AND AFRICA 3 CREDITS

Research and analysis of current American foreign policy problems in the Middle East and Africa.

PSC 425 SEMINAR: UNITED STATES DOMESTIC POLICY 3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR

Research and analysis of current domestic policy areas.

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.

Department of Psychology

Chairperson: Jeffrey S. Danforth

Professors: Alfred Kornfeld, Edwin B. Nebelkopf, Leo Schneiderman

Associate Professors: Jeffrey S. Danforth, Sue Boney-McCoy, Luis A. Cordon, Gary A. Sterner

Assistant Professors: Peter D. Bachiochi, Wendi Everton, Deirdre Bebe Fitzgerald,

Margaret Letterman

Major: Psychology (BA)

Objectives

The purpose of the Psychology major is to develop an understanding of human behavior and experience through the framework provided by the science of psychology. For those students who plan to continue their studies at the graduate level, the major will provide a broad foundation of practical and theoretical knowledge. Course offerings are designed to meet the educational needs of students who plan careers in psychology, related disciplines, and education.

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

All majors must complete a minimum of 35 credits in psychology, exclusive of PSY 100.

Students must complete the three courses listed under Psychology Requirements (PSY 227, PSY

327, PSY 419). Majors either follow the General Psychology curriculum or, as an alternative, choose a concentration in the Psychology of Children and Youth or Psychology of Work. Students following the General Psychology curriculum must complete five of the courses listed under the General curriculum. Students who choose a concentration in the Psychology of Children and Youth or Psychology of Work must complete the courses listed under their chosen concentration. All psychology majors must take the psychology comprehensive exam prior to graduation.

A minimum of 18 credits of psychology must be completed in residence at Eastern. The course work of transfer students will be evaluated on an individual basis. 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, 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.

Psychology Requirements

I. All majors are required to take the following three courses:

PSY 227 Behavioral Science Statistics with Lab

PSY 327 Research Methods II

PSY 419 History and Systems of Psychology

2. Psychology: The General Psychology Curriculum

The standard curriculum in psychology is chosen by a majority of psychology majors and is recommended 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 35 hours of course work in psychology (exclusive of PSY 100) completed by students following the General curriculum must include the three courses listed under

Psychology Requirements and at least five courses from the following list.

PSY 202 Social Psychology

PSY 205 Learning I

PSY 301 Abnormal Psychology

PSY 302 Psychopathology of Childhood

PSY 306 Cognitive Psychology

PSY 315 The Psychology of Gender

PSY 318 Sensation and Perception

PSY 320 Theories of Personality

PSY 401 Psychology of Adult Development

PSY 407 Learning II: Theories and Issues

PSY 410 Psychological Tests and Measurements

PSY 418 Physiological Psychology

PSY 430 Human Neuropsychology

PSY 460 Seminar in Psychology* (not offered on a regular basis)

3. Psychology Concentration: Psychology of Children and Youth

As an alternative to the General 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 milieu (e.g., residential) treatment, 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 35 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 three courses listed under Psychology Requirements. In addition, students must satisfy the course requirements listed below.

Recommended course to meet GER

BIO 202/203 Human Biology (Lecture/Lab)

Required Courses

PSY 205 Learning I: Behavior Modification-Theory and Practice

PSY 206 Psychology of Childhood

PSY 208 Psychology of Adolescence

PSY 302 Psychopathology of Childhood

Professional Courses

Students must complete four courses from the following list.

PSY 300 Educational Psychology

PSY 306 Cognition

PSY 402 Current Research in Child Psychology

PSY 407 Learning II

PSY 410 Psychological Tests and Measurements

PSY 418 Physiological Psychology

PSY 430 Human Neuropsychology

4. Psychology Concentration: Psychology of Work

As an alternative to the General curriculum, psychology majors may elect to pursue a concentration in Psychology of Work. The Psychology of Work 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). 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 35 hours of coursework in Psychology (exclusive of PSY 100) completed by students following the Concentration in Psychology of Work must include the three courses listed above under Psychology Requirements. In addition, students must satisfy the course requirements listed below:

Required Courses

PSY 202 Social Psychology

PSY 303 Industrial and Organizational Psychology

PSY 410 Psychological Tests and Measurements

Four of the following seven courses:

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

Finally, students will need to take one other psychology elective to fulfill the requirements of the major.

Minor: Psychology

The Psychology minor consists of 15 credits (excluding PSY 100) which shall include 9 credits from the General curriculum. A minimum of 12 credits in psychology must be completed in residence at Eastern.

Special Programs: Psychology

PSY 480, 490, 496, 497, and 498: Independent Study and Internships

These courses are for second semester juniors and for seniors with a minimum grade point average of 3.0 in psychology. Students may earn a total of 6 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 6 credits in any one of the listed courses.

Courses of Instruction: Psychology

PSY 100 GENERAL PSYCHOLOGY* 3 CREDITS

Broad introduction to the methods, findings and theories of scientific psychology. Research methods, learning, the brain and behavior, perception, social behavior and intelligence will be covered, along with other selected topics (e.g., motivation, human development, memory, abnormal behavior). Students are required to participate as subjects in psychological research or to complete an alternative writing assignment.

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, cooperation and competition, behavior in groups, the environment.

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 205 LEARNING I: BEHAVIOR MODIFICATION: THEORY AND PRACTICE 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, cognitive, moral and sex-role development of children will be studied in the context of their interrelationships with such variables as peer acceptance, parental child-rearing patterns, sibling status, socioeconomic status and school experience.

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 up on the teenager. An examination of the influence of family, neighborhood, school and the mass media.

PSY 217 RESEARCH METHODS I 3 CREDITS

PREREQUISITE: PSY 100

This course introduces students to the skills and knowledge necessary to be effective consumers of psychological research. These include: how to conduct library research for a literature reviewed; how to read articles in scholarly journals; elementary research design and logic; and the fundamentals of writing in the style of the American Psychological Association. Topics such as cause and effect and the differences between experimental and non-experimental research are discussed.

PSY 227 BEHAVIORAL SCIENCE STATISTICS 4 CREDITS

PREREQUISITE: PSY 100

An introduction to the descriptive and inferential methods used to evaluate psychological research. Topics include graphic methods, central tendency, variability, correlation, hypothesis testing and sampling distributions.

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

A survey of the various levels of processing which comprise the human mind. Research and theory areas to be covered include attention, pattern recognition, memory, problem solving, intelligence, language, and concept formation.

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

Analysis of principal theoretical positions through study of primary and secondary sources. Includes work of theorists such as Freud, Jung, Adler, Fromm, Horney, Allport, Dollard and Miller, and Mahler.

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: PSY 227

Content and method of experimental approaches to psychological research. Topics include the philosophy of science and the basic nature of theory and research, a range of research designs, experimental control, observational research, and instrumentation.

PSY 401 PSYCHOLOGY OF ADULT DEVELOPMENT 3 CREDITS

PREREQUISITE: PSY 100

The factors affecting individual development during the young adult and middle years of life. Topics to be studied include personality and cognitive development, intimacy and intimate relationships, parenthood, mid-life crisis, and vocational development.

PSY 402 CURRENT RESEARCH IN CHILD PSYCHOLOGY 3 CREDITS

PREREQUISITE: PSY 227

Open to psychology majors with 75 or more credits who are following the Psychology of Children and Youth Concentration. 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 405 PSYCHOLOGY OF WOMEN AND WORK 3 CREDITS

PREREQUISITE: PSY 100

Study of women who choose to be homemakers, artists, scientists, nurses, politicians and executives. Includes psychological theories on coping with stress, assertiveness and research on the problem of sexual harassment of working women.

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 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 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 6 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 6 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.

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 INTERNSHIP IN PSYCHOLOGY 3 CREDITS

Note: Open only to advanced students with departmental approval.

Students serve as aides, usually in first and second year classes or assist faculty with research.

PSY 496 Mental health 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 MENTAL HEALTH FIELD EXPERIENCE 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 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

Department of Sociology, anthropology and social work

Chairperson: Robert J. Wolf

Professors: Beverley Anderson, Margaret E. Martin, Andrew T. Nilsson, James W. Russell

Associate Professor: Robert J. Wolf

Assistant Professors: Dennis Canterbury, Erica Childs, Kimberly Dugan, Mary Kenny, John C. Kilburn, Jr., Eunice Matthews-Armstead, Ricardo Perez, Monibo Sam, Theresa Severance

Major: Social Work

Coordinator: Andrew T. Nilsson

Objectives

The Social Work major leading to a Bachelor of Arts degree in Social Work (BSW) combines a liberal arts perspective with professional foundation content including social work values and ethics, diversity, social and economic justice, populations at-risk, social welfare policy and services, social work practice, research, and field work experience. Its intent is to prepare students to become effective beginning generalist social workers committed to practice in aid of the poor, the oppressed, and those against whom discrimination is directed. 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/social work](http://www.easternct.edu/programs/sociology/social%20work).

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:

- The number of social work program liberal arts foundation courses and professional foundation courses completed including SOC 100, PSY 100, ANT 106, SOC 107, PSC 110, BIO 202, SWK 200, SWK 211, and SWK 213 or their equivalents if taken at schools other than Eastern.
- Grade point average with special attention given to the GPA earned in social work liberal arts foundation and professional foundation courses.
- Evidence of the applicant's commitment to the values and practice of the social work profession.
- Personal behavior and classroom performance demonstrating likelihood for adherence to the ethical expectations and obligations of professional social work practice.

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 including SOC 350. 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, within a field placement, in the University or in 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 year (social work major foundation courses)

SOC 100 Introduction to Sociology
PSY 100 General Psychology
ANT 106 Cultural Anthropology
SOC 107 Social Problems
PSC 110 American Government and Politics
BIO 202 Human Biology

Sophomore year

SWK 200 Introduction to Social Work (required for program admission)
SWK 211 Human Behavior and the Social Environment
SWK 213 Social Environment and Human Behavior
Recommended: A statistics course

Junior year

Either semester

SOC 350 Methods of Social Research (SOC 350 must be completed prior to SWK 350)

Fall semester

SWK 325 Social Welfare Policy
SWK 213 If not taken previously

Spring semester

SWK 300 Generalist Practice with Communities and Organizations
(Prerequisites: SWK 213, SWK 325)
SWK 211 If not taken previously

Senior year

Fall semester

SWK 320 Generalist Practice with Individuals and Families
SWK 340 Social Work Research Seminar I (1 credit)
SWK 350 Field Instruction and Seminar I (6 credits)
(SWK 320, SWK 340, and SWK 350 must be taken concurrently. Prerequisites:
SWK 200, SWK 211, SWK 300 and SOC 350)

Spring semester

SWK 420 Generalist Practice with Groups and Organizations
SWK 440 Social Work Research Seminar II (1 credit)
SWK 450 Field Instruction and Seminar II (6 credits)
(SWK 420, SWK 440, SWK 450 must be taken concurrently. Prerequisites:
SWK 320, SWK 340 and SWK 350)

SWK 475 Social Work Senior Seminar
(Prerequisites: SWK 320, SWK 340 and SWK 350)

Major: Sociology and Applied Social Relations

Objectives

The Sociology and Applied Social Relations 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 and Applied Social Relations 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, 351
Senior year	SOC 400

Recommended Course Sequence, Major in Sociology and Applied Social Relations (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
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Fourth Year

SOC 400	Senior Seminar	3
SOC ***	SOC elective credits to total	18
Total		30 credits

In order to graduate with a BA in Sociology, Anthropology and Social Work, 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: Anthropology

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 twelve additional anthropology credits.

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 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 325	Law and Society
SOC 365	Special Topics in Criminology

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

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: Sociology

15 credits labeled SOC, of which only 3 credits may be at the 100 level, and 9 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 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

Native Americans 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 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 with an emphasis on the Third World of Latin America, Africa, Asia and selected communities of North America. Fosters an appreciation for the diversity of human culture with an international emphasis.

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 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 ARCHEOLOGICAL FIELD SCHOOL 6 CREDITS

The Field School offers training in pre and post-contact Native American archeology. The Field School includes intensive excavation, systematic subsurface testing, mapping, photography, artifact processing, and ethnohistoric research.

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 211 HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT 3 CREDITS

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 213 THE SOCIAL ENVIRONMENT AND HUMAN BEHAVIOR 3 CREDITS

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 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 325, SWK 213

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 40 hour macro-practice field experience.

SWK 320 Generalist practice WITH INDIVIDUALS AND FAMILIES 3 CREDITS

PREREQUISITES: SWK 200, SWK 211, SWK 300; corequisite: swk 350; SWK 340

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 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

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 340 SOCIAL WORK RESEARCH SEMINAR I 1 CREDIT

PREREQUISITE: SOC 350; COREQUISITE SWK 320, SWK 350

Note: Open to social work majors only.

Instruction in the application of quantitative and qualitative social research methods in social work practice. Students develop a research question relevant to their field work setting, conduct a literature search on their research topic, develop a methodology for addressing their question, and complete an application for human subjects protection review.

SWK 344 (SOC 344) SUBSTANCE ABUSE 3 CREDITS

Examination of the causes, medical aspects, family dynamics, cross-cultural issues, and treatment modalities of drug and alcohol abuse. The course is designed with both undergraduate students and human services professionals in mind.

SWK 350 FIELD INSTRUCTION AND SEMINAR I 6 CREDITS

prerequisite: Soc 350. COREQUISITES: SWK 320, swk 340

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 instruction and the 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 420 Generalist practice WITH GROUPS and organizations 3 CREDITS

PREREQUISITES: SWK 320, SWK 350. COREQUISITES: SWK 440, SWK 450

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 440 SOCIAL WORK RESEARCH SEMINAR II 1 CREDIT

PREREQUISITE: SWK 340. COREQUISITES: SWK 420, SWK 450

Note: Open to social work majors only.

A continuation of SWK 340. Students will carry out the research project designed in SWK 340, collecting data, completing data analysis with SPSS utilizing appropriate quantitative and qualitative techniques, and writing a report of their project suitable for professional journal publication.

SWK 450 FIELD INSTRUCTION AND SEMINAR II 6 CREDITS

prerequisite: SWK 350. COREQUISITES: 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 instruction and the field experience.

SWK 475 SOCIAL WORK SENIOR SEMINAR 3 CREDITS

PREREQUISITES: SWK 300, SWK 320, SWK 350

Note: Open to social work majors only. Fills writing Intensive course requirement. SWK 475 must be taken concurrently with or following completion of SWK 420 and SWK 450.

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.

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

Note: Open only to majors in Sociology and Applied Social Relations.

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 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 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 AND SEX ROLES* 3 CREDITS

Contrasting social experiences of human females and males in this society from infancy throughout the life cycle, as these result in differentiation of social roles, cultural expectations, and self-conceptions for adult men and women.

SOC 250 SOCIAL INEQUALITY 3 CREDITS

Note: Open to majors in Sociology and Applied Social Relations, Social Work, or CRJ Minors.

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 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 303 THE COMMUNITY 3 CREDITS

Dynamics of the emergence and growth of communities and cities, structure and organizations of communities, various definitions and types of communities, and sociological theories of community.

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 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, and on Constitutional Law, and First Amendment and Fourteenth Amendment cases.

SOC 330 alternative dispute resolution 3 CREDITS

An intensive course designed to combine presentation and discussion of the theoretical bases, specifically the sociologically based ideas, of alternative dispute resolution with a significant experiential component focused on mediation as an ADR method.

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 344 (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. The course is designed with both undergraduate students and human services professionals in mind.

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 360 group dynamics 3 CREDITS

PREREQUISITE: consent of the instructor

Examines group dynamics theoretically and experientially. Classroom discussion and reading material are supported by structured and/or unstructured group activities. Involves intensive off-campus experiences; leadership, group structure, and power; development of the individual within the group.

SOC 375 seminar and field instruction in sociology 6 CREDITS

PREREQUISITES: SOC 200, 250, 350, and consent of instructor.

Note: Open only to majors in Sociology and Applied Social Relations.

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

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.

Department of VISUAL Arts

Chairperson: Imna Arroyo-Winner

Professors: Lula Mae Blocton, Imna Arroyo-Winner

Associate Professors: June Bisantz-Evans, Anne E. Dawson, Claudia Widdiss

Assistant Professors: Sharon Butler, Gail Gelburd, William A. Jones, Qimin Liu

Major: Studio Art (BA)

Objectives

The Bachelor of Arts Degree program in Studio Art is designed to provide tracks of study in the studio arts. The primary objective is the development of individual vision through clear understanding of visual language. The curriculum enables students to think visually and understand different media. They will acquire knowledge of techniques as a means of expression. The program includes instruction in the history of art (including the art of different cultures). The student will acquire ways of articulating the conceptual and aesthetic relevance of works of art.

This program involves courses of study in Graphic Design, Mass Media, Painting and Drawing, Printmaking, and Sculpture. These tracks give students the foundation they need to pursue advanced degrees or other courses of study. The degree would help them become professional artists, graphic designers in print or media, painters, printmakers, sculptors, or professionals in art galleries and museums.

Admission to the Program

Those students interested in the studio art 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 studio art courses. Transfer students should seek an advisor immediately to prepare a schedule of studio art courses to fulfill degree requirements.

Major Requirements

The BA in Studio Art consists of 39 credits, including 18 credits of foundation courses and 21 credits in the chosen track. Grades of less than 2.0 (c) will not count toward the major. Studio art majors are exempt from the GER 11B Category.

- | | | |
|-----|--------------------------------|------------|
| I. | Required Foundation Courses | 18 credits |
| II. | Required Courses for the Track | 9 credits |

III. Track Electives 12 credits

Required Foundation Courses

- ART 109 Drawing I
- ART 110 Two-Dimensional Design
- ART 111 Three-Dimensional Design

Art History Foundations

- ART 211 Introduction to Art History: Prehistory to 1400
- ART 212 Introduction to Art History: 1400 to the Present

Major Graduation Requirement

- ART 485 Senior Project in Studio Art

Graphic Design Track

Required Courses

- ART 203 Graphic Design I
- ART 221 Computer Graphics I
- ART 303 Graphic Design II
- ART 321 Computer Graphics II
- ART 404 Digital Prepress

Choice of at least 3 courses from the following list

- ART 222 Typography
- ART 325 Animation/Multimedia
- ART 403 3D Animation
- ART 405 Illustration
- ART 410 Web Design
- ART 419 Portfolio Preparation
- ART 480 Independent Study
- ART 490 Internship
- COM 310 Electronic Photography
- COM 349 Publication Design

Mass Media Track

Required Courses

- ART 203 Graphic Design I
- ART 221 Computer Graphics I
- ART 303 Graphic Design II
- ART 321 Computer Graphics II
- ART 325 Animation/Multimedia or ART 403 3-D Animation

Choice of at least 3 courses from the following list

- COM 220 Introduction to Television
- COM 225 Television Production I
- COM 310 Electronic Photography
- COM 320 Television Production II
- COM 420 Workshop in Television
- ART 480 Independent Study
- ART 490 Internship

Painting and Drawing Track

Required Courses

- ART 112 Color Theory
- ART 200 Painting I

ART 209 Drawing II
ART 308 Painting II
ART 309 Figure Drawing I

Choice of 2 courses from the following list

ART 390 Practicum
ART 408 Advanced Painting
ART 409 Figure Drawing II
ART 430 Advanced Drawing
ART 480 Independent Study
ART 490 Internship

Printmaking Track

Required Courses

ART 201 Relief Printmaking I
ART 220 Relief Printmaking II
ART 320 Water Based Screen Printing I
ART 420 Intaglio Printmaking
Printmaking Electives

Choice of 3 courses from the following list

ART 340 Modern Art
ART 355 Women And The Visual Arts
ART 360 American Art
ART 369 African American Art
ART 402 Issues In Contemporary Art
ART 480 Independent Study
ART 490 Internship

Sculpture Track

Required Courses

ART 206 Sculpture
ART 207 Ceramic Sculpture I
ART 306 Wood Sculpture I or ART 315 Figure Modeling
ART 406 Sculpture II
Sculpture Electives

Choice of 3 courses from the following list

ART 114 Ceramics
ART 119 Jewelry
ART 220 Relief Printmaking II
ART 309 Figure Drawing I
ART 340 Modern Art
ART 355 Women And The Visual Arts
ART 360 American Art
ART 369 African American Art
ART 402 Issues In Contemporary Art
ART 409 Figure Drawing II
ART 480 Independent Study
ART 490 Internship
ART 3** Sculpture Elective

Recommended Course Sequence Studio Art major (BA.)

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
	GER Electives 15-16 (including lab)	
ART 109	Drawing I	3
ART 211	Introduction to Art History I	3
Total		30 credits

Second Year

	GER Electives	18
ART 110	2-Dimensional Design	3
ART 111	3-Dimensional Design	3
ART 212	Introduction to Art History II	3
	Required Courses for the Track	3
ART 203	Graphic Design	
ART 200	Painting I	
ART 201	Relief Printmaking I	
ART 206	Sculpture I	
Total		30 credits

Third Year

	GER Electives	12
	Liberal Arts Electives	3
	Required Courses for the Track	6-9
ART 221, 321	Computer Graphics I and II	
ART 209	Drawing II	
ART 308	Painting II	
ART 309	Figure Drawing I	
ART 220	Relief Printmaking II	
ART 320	Water Based Screen Printing I	
ART 420	Intaglio	
ART 207	Ceramic Sculpture,	
ART 306	Wood Sculpture I	
Total		30 credits

Fourth Year

	Electives	24-27
ART 485	Senior Projects in Studio Art	3
ART 406	Required Course Sculpture	3
Total		30 credits

Minor: Studio Art

A Studio Art minor consists of 18 credits of studio art courses with at least 6 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.

Minor: Art History

To earn an Art History minor a student must complete 18 credits in art history with 12 of those at the 300-level or higher. Courses with a grade of less than 2.0 will not count towards the minor.

Required Courses (6 credits):

ART 211 Introduction to Art History: Prehistory-1400

ART 212 Introduction to Art History: 1400-Present

Electives (Choose 4 from the following: 12 credits):

ART 340 Modern Art

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 480 Independent Study

ART 490 Internship

Art Option in the Fine Arts Major:

The Fine Arts major also includes tracks in Art History and Criticism and in Art Studio. The requirements for the major and the course option for those two tracks are described under the Department of Performing Arts.

Courses of Instruction: Art

ART 100 INTRODUCTION TO STUDIO ART* 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.

ART 109 DRAWING I* 3 CREDITS

The student will develop basic observational skills by studying line, value, form, space, perspective, and composition. This is an introductory level drawing class.

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

Students will develop three -dimensional awareness through the study of form as it occurs in nature, in sculpture and in architecture. Concepts and processes will be introduced with studio projects that explore a variety of materials and techniques.

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 kiln.

ART 119 JEWELRY 3 CREDITS

Basic course in techniques and materials for the design and making of jewelry. Material fee.

ART 200 PAINTING I 3 CREDITS

PREREQUISITES: Any 2 of the following: ART 100, 109, 110

This course is an introduction to the art of painting emphasizing color and composition.

ART 201 Relief Printmaking I 3 CREDITS

PREREQUISITES: ART 100 OR ART 109 OR ART 110

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 203 Graphic Design I 3 Credits

This course introduces students to concepts, techniques and materials used in commercial art and design. Students should take this course as a foundation for further exploration of other graphics courses.

ART 205 WATER MEDIA 3 CREDITS

PREREQUISITES: Any 2 of the following: ART 100, ART 109, ART 110

Designed to acquaint the student with various techniques of watercolor, gouache, tempera, and color inks.

ART 206 SCULPTURE I 3 CREDITS

PREREQUISITE: 2 out of 3, ART 111, ART 109, ART 114

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

PREREQUISITE: ART 111 OR ART 114 OR ART 206

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 209 DRAWING II 3 CREDITS

PREREQUISITE: ART 109

This is the continuation of Drawing I which will include an exploration of color media.

ART 211 INTRODUCTION TO ART HISTORY: 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 INTRODUCTION TO ART HISTORY: 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 220 RELIEF PRINTMAKING II 3 CREDITS

PREREQUISITE: ART 100 OR ART 109 OR ART 110 OR ART 201

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 221 COMPUTER GRAPHICS I 3 CREDITS

PREREQUISITE: ART 100 OR ART 109 OR ART 110

Creating digital images and combining them with text using electronic page layout software to develop skills useful in graphic design and producing original artworks.

ART 222 typography 3 CREDITS

PREREQUISITE: ART 221 OR COM 349

This course is a study of Typography in graphic design. Typography can be defined as the craft of giving language visual form.

ART 301 MODERN ART* 3 CREDITS
 A survey of the major art movements from the end of the nineteenth century to the present.
 Writing intensive course for Studio Art majors.

ART 303 GRAPHIC DESIGN II 3 CREDITS
 PREREQUISITES: ART 203 AND ART 221
 This course is designed to build on the foundation of graphic design concepts and techniques introduced in Graphic Design I. This course focuses on the use of computers to generate camera-ready design and packaging products. The correct use of imaging and layout programs (PhotoShop, Illustrator, QuarkXPress and Dimensions) is stressed. Basic pre-press concepts are introduced and an electronically generated portfolio is created.

ART 306 WOOD/SCULPTURE 3 CREDITS
 PREREQUISITE (2 out of 3): art 111, art 206, art 109
 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 308 PAINTING II 3 CREDITS
 PREREQUISITE: ART 200
 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 109
 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 315 FIGURE MODELING 3 CREDITS
 PREREQUISITE (2 of 3): ART 111, ART 109, ART 309
 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 320 Water Based Screen Printing I 3 CREDITS
 PREREQUISITE: ART 100, ART 109 OR ART 110
 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 321 COMPUTER GRAPHICS II 3 CREDITS
 PREREQUISITE: ART 221
 This course is designed to expand on electronic graphic design skills learned in ART 221. Students will study advanced electronic design techniques using industry standard digital imaging, page layout and animation software useful in both commercial and fine arts applications.

ART 325 ANIMATION/INTERACTIVE DESIGN/MULTIMEDIA 3 CREDITS
 PREREQUISITE: FA 221
 An introduction to and exploration of animation/multimedia software and interactive design for CD ROMs, Kiosks, etc., using Macromedia Director and the Macintosh computer. Interactive design for the World Wide Web is also covered using Adobe Pagemill.

ART 350 video editing for artists 3 CREDITS
 PREREQUISITE: art 321

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 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 AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

ART 402 ISSUES IN CONTEMPORARY ART 3 CREDITS

An in-depth examination of recent developments in our changing society and their impact on artistic expression.

ART 403 3D IMAGING/ANIMATION I 3 CREDITS

PREREQUISITES: ART 221 AND ART 321 AND ART 325

This course is an introduction to and exploration of 3D imaging and animation using Infini -D software and Macintosh computers.

ART 404 DIGITAL PRE-PRESs 3 CREDITS

PREREQUISITES: ART 221 AND ART 321

An introduction to the principles of color separation and preparation of files for digital output to various media. This course includes an understanding of color modes, font, trapping, resolution, preparing files for interactive media, scanning, color correction, data formats and other related issues.

ART 405 ILLUSTRATION 3 CREDITS

PREREQUISITES: ART 109 OR ART 201 OR ART 221 OR CONSENT OF INSTRUCTOR

Various techniques for producing effective illustrations in black -and-white media and color. Historical background is given.

ART 406 SCULPTURE II 3 CREDITS

PREREQUISITES: FOUR (4) 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: FA 221, FA 321, AND FA 325

A course in World Wide Web design for artists and graphic designers with a focus on the integrity of design, client satisfaction, and technical mastery.

ART 419 studio art PORTFOLIO PREPARATION 3 CREDIT

PREREQUISITE: CONSENT OF INSTRUCTOR

Note: Recommended for any student preparing to transfer, apply for graduate study or apply for a job in the field.

Students will become familiar with the essential business practices of the visual arts profession.

ART 420 INTAGLIO PRINTMAKING 3 CREDITS

PREREQUISITE: ART 109 OR INTAGLIO PRINTING OR ART 201 OR ART 220, OR ART 320

Exploring the techniques of etching, engraving, and dry-point as means of artistic expression.

ART 430 ADVANCED DRAWING 3 CREDITS

PREREQUISITES: ART 209 OR ART 309

Continued problems in drawing directed toward the development of a personal approach to this art form.

Art 432 ECSU design group 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 480 INDEPENDENT STUDY 3 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Study for advanced students with a major concentration in art.

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 490 INTERNSHIP 3-6 CREDITS

PREREQUISITE: CONSENT OF INSTRUCTOR AND APPROVAL OF DEPARTMENT CHAIRPERSON AND DEAN

Interdisciplinary Minors

Six interdisciplinary minors are available: African American/Third World Studies, Canadian Studies, Geographic Information Systems, Latin American Studies, New England 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
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: Canadian Studies

Branko Cavarkapa, 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, 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
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Choose four:

CAS 222	Native People of Canada (ANT 222)	3
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CAS 271	History of Canada (HIS 271)	3
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CAS 305	Comparative Public Administration (PSC 305)	3
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CAS 310	Environmental Chemistry (CHE 310)	3
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CAS 317	Modern Canadian Literature (ENG 317)	3
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CAS 329	Political Economy of Labor Relations (ECO 329)	3
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CAS 340	Canadian Health (ANT 340)	3
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CAS 365	La littérature québécoise. En français (FRE 365)	3
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CAS 370	Business Perspectives Canada/U.S. (BUS 370)	3
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CAS 465	Special topics in Canadian Studies	3
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CAS 480-81	Independent Study in Canadian Studies	3
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CAS 490-91	Internship in Canadian Studies	3
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Course of Instruction: Canadian Studies

CAS 201 (ant 201) INTRODUCTION TO CANADIAN studies*	3 CREDITS
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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
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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
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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
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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
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PREREQUISITES: 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.

CAS 329 (eco 329) political economy of labor relations 3 CREDITS

PREREQUISITES: CHE 210-213

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 210-213

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 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.

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. 9 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
Any two of the following courses:			
Environmental Earth Science			
EES	224	Landforms	4
EES	320	Environmental Management	3
EES	322	Elementary Hydrology	4
EES	326	Geologic Hazards	3
EES	350	Field Methods in Earth Science	4
EES	422	Groundwater Hydrology	4
Biology			
BIO	234	Population Biology	3.5
BIO	308	General Ecology	3
BIO	440	Aquatic Biology	4
BIO	442	Plant Ecology	4
BIO	444	Population and Community Ecology	4
BIO	446	Terrestrial Ecology	4

Other courses may be substituted with the permission of the 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 America 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 6 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 ECSU

SPA	318	Latin American Civilization
SPA	323	Latin American Literature
HIS	345	History of Mexico
HIS	346	Central America
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 ECSU 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, Scotland, CT, or other sites.

NES 342 (ENG 342) LITERATURE OF NEW ENGLAND 3 CREDITS

The distinctive regional literature of the State of Maine studied within its New England cultural context. The works of such writers as S. O. Jewett, H. B. Stowe, E. A. Robinson, Kenneth Roberts, Ruth Moore, Leo Connellan, Kendall Morse, Sanford Phippen, and Carolyn Chute may be supplemented by films, recordings, visiting lectures, and readings by living artists.

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.

Minor: Women's Studies

Marcia P. McGowan, Coordinator

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 (12) additional credit hours from the following:

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 266 Mini-Lit [when the topic is a woman or women]

WST 315 Psychology of Gender

WST 317 Women and Family in Western Society, 1600-

WST 324 Literature by Women Authors of Latin America

WST 326 Politics of Race, Class and Gender

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 Coordinator of Women's Studies.

Courses of Instruction: Women's Studies

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

Addresses a broad spectrum of women's poetry, beginning with Sappho, and including various European, English, and American poets whose works span several centuries. May include Behn, Bradstreet, Dickinson, Rossetti, Brooks, Levertov, Rich, Giovanni, and other contemporary poets.

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 260 (ENG 260) Introduction to women's studies* 3 CREDITS
 Note: Required of all Women's Studies minors. Taught in conjunction with English Department. Recommended for those wishing to take advanced women-related courses.
 Provides necessary contextual background for the study of women and literature as well as the study of the 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 315 (PSY 315) psychology of gender* 3 CREDITS
 PREREQUISITE: CONSENT OF INSTRUCTOR
 This course 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 twentieth-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
 This course emphasizes 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 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) twentieth 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 -related courses must be approved through the Women's Studies Director)

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.

Department of Business Administration

Chairperson: Ronald M. Lowy

Professors: Branko Cavarkapa, Ronald M. Lowy, John L. St. Onge

Associate Professors: Moh'D Rujoub, Gayle A. Russell, Jeffrey Schaller, William T. Sisco

Assistant Professors: Craig Erwin, Chiaku Ndu

Major: Accounting (BS)

William T. Sisco, Coordinator

Objectives

The Bachelor of Science degree in Accounting provides introductory and advanced courses in financial and managerial accounting, auditing, taxation and microcomputers. Successful students are prepared for staff -level 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 computer science. 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 2.5.

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 9 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 225 Principles of Marketing
- BUS 230 Business and Society (formerly Business Management)
- BUS 245 Finance
- BUS 250 Business Law I
- ECO 325 Money and Banking

Advanced Accounting Requirements

- BUS 300 Business Law II
- 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 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 (BS)

Check all course descriptions for prerequisites before planning course schedule.

First Year

ENG 100	College Writing	3
MAT ***	Mathematics above Algebra II	3
CSC 100	Computer Concepts	3
	Other General Education Requirements	21
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
ECO 325	Money and Banking	3
ACC 201	Principles of Accounting I	3
BUS 250	Business Law 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 230	Business and Society	3
BUS 245	Finance	3
BUS 300	Business Law II	3
	General Education Requirements or Electives	6

Total for Year 30 credits

Fourth Year

ACC 411	Contemporary Issues	3
ACC 412	Auditing	3
ACC 416	Federal Income Taxation	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

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 the following:

15 credits

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

3 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

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.

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 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 320 ELECTRONIC SPREADSHEETS 3 CREDITS

To discuss the traditional electronic spreadsheet applications with full functional software, which also contains two of the most popular business applications programs, Business Graphics and Database Management.

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 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 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 (BS)

Ronald M. Lowy, Coordinator

Objectives

The Bachelor of Science degree in Business Administration is awarded to students achieving proficiency in the University's general education 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, 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 2.5 for two consecutive semesters will be dismissed from the major.

All students are required to successfully complete the competency exam 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 GER 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 Management of Business Information

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 230 Business and Society

BUS 245 Business Finance

BUS 250 Business Law I

BUS 260 Operations Management
 Common Business Core Requirements 18 credits
 BUS 351 Advanced Business Concepts & Entrepreneurial Applications
 BUS 365 Business Report Writing with Microcomputer Applications
 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) 9 credits
 Students who take 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 6 credits

This requirement can be fulfilled by choosing one of the following options:

- an additional year of a foreign language beyond the basic university requirement.
- two international business courses. This is in addition to the 9 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 (BS)

Check all course descriptions for prerequisites before planning course schedule.

First Year

SOC 300	Sociological Theory	3
ENG 100	College Writing	3
MAT ***	Math GER (IIIA)	3
CSC 100	Computer Concepts	3
	Other General Education Requirements	18
Total		30 credits

Second Year

BUS 230	Business and Society	3
ECO 200	Principles of Macroeconomics	3
ECO 201	Principles of Microeconomics	3
MAT 216	Applied Statistics	3
ACC 201	Principles of Accounting I	3
ACC 202	Principles of Accounting II	3
BUS 205	Management of Business Information	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	6
BUS 365	Business Report Writing	3
	General Education Requirements	7
	Electives	8
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
Ronald M. Lowy, 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 201 (also fulfills GER, IVB).

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 2 different areas of business:

Finance

Management

Marketing

Operations

Business Electives (9 credits)

Any 300 level or above business courses selected according to the student's particular interest.

Minor: Management Information Systems (MIS)

John St. Onge, Coordinator

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 on page 106 for full details.

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 205 management of business information 3 CREDITS

PREREQUISITE: CSC 100, CSC 110 or equivalent

Introduces the use of technology for problem solving and decision making across all the functions of business. Focuses on the analysis, organization, communication and presentation of information for business planning and control.

BUS 225 principles of marketing 3 CREDITS

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 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 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 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 351 ADVANCED BUSINESS CONCEPTS AND entrepreneurship 6 CREDITS

PREREQUISITE: BUS 225, bus 230, bus 245, or 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 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. Coursework 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 University General Education writing requirements.

BUS 370 (CAS 370) BUSINESS PERSPECTIVES, CANADA/US 3 CREDITS

A comparative study of Canada and the US 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 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 431 MANAGEMENT POLICY AND STRATEGY 3 CREDITS

PREREQUISITE: 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 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 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.

Department of COMMUNICATION

Chairperson: Donald R. Avery

Professors: Donald R. Avery, Terri Toles-Patkin

Associate Professors: Khosrow Jahandarie, John Zatowski

Assistant Professors: Edmond Chibeau, Jaime Gomez, John J. Hale, Ken Nagelberg,
Matt Sheriden

Major: Communication (BS)

Objectives

The Communication major is designed for students who wish to pursue careers in mass media, including television, radio, media writing, and public relations. Secondary areas of emphasis include writing for media and public relations. 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 with them. Students are expected to be thoroughly prepared in the liberal arts and sciences as well as meet the specific requirements of the degree.

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 Telecommunication Policy
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 210 Photography
COM 212 Professional Presentations
COM 220 Introduction to Television
COM 225 Television Production I
COM 230 Basic Speech
COM 241 Introduction to Radio and Audio Production
COM 245 Advanced Radio and Audio Production
COM 301 Persuasion
COM 310 Electronic Photography
COM 320 Television Production II
COM 321 History and Criticism of Radio -Television
COM 330 Organizational Communication
COM 340 Broadcast Management
COM 349 Publication Design
COM 351 Contemporary Print Journalism
COM 353 Public Relations
COM 354 Public Relations Methods
COM 355 Radio and Television News Writing
COM 420 Workshop in Television
COM 425 Advanced Television Workshop: News
COM 430 Non-Linear Editing
COM 440 Workshop in Radio and Audio
COM 450 Advanced Journalism
COM 460 Special Topics in Communication

Total 15 credits

The recommended course sequence for students planning to enter careers in television is:

COM 220 Introduction to Television
COM 225 Television Production I
COM 320 Television Production II
COM 420 Workshop in Television

The recommended course sequence for students planning to enter careers in radio and audio production is:

COM 241 Introduction to Radio and Audio
COM 245 Advanced Radio and Audio Production
COM 340 Broadcast Management
COM 440 Workshop in Radio and Audio

Students planning to enter careers concentrating on media writing should take this sequence of courses:

- COM 351 Contemporary Print Journalism
- COM 353 Public Relations
- COM 355 Radio and Television News Writing
- COM 450 Advanced Journalism

Students planning careers in public relations or organizational communication should follow this course sequence:

- COM 330 Organizational Communication
- COM 349 Publication Design
- COM 353 Public Relations
- COM 354 Public Relations Methods

The total number of hours required for the major is thirty -six. 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 (BS)

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	Telecommunication Policy	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 technology on cognitive and affective human behavior.

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 6 credits in one area and 6 elective credits from other areas within the communication field.

The following concentrations are available in the minor:

Mass Communication

Public Relations

Radio

Television

Writing for Media

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 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 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 220 INTRODUCTION TO TELEVISION 3 CREDITS

An introduction to the equipment required for television production, distribution techniques, and reception equipment for televised programs. Uses of television in society, program trends, and production techniques are discussed.

COM 225 TELEVISION PRODUCTION I 3 CREDITS

PREREQUISITE: COM 220

Applying basic principles and practices through producing and directing television programs. Use and operation of cameras, audio equipment, lighting equipment, and videotape recorders. Both portable equipment and studio facilities will be utilized.

COM 230 BASIC SPEECH 3 CREDITS

Original speeches; emphasis on rhetoric and audience psychology.

COM 241 INTRODUCTION TO RADIO AND AUDIO PRODUCTION 3 CREDITS

Principles of live procedures, sound systems, and technical direction.

COM 245 ADVANCED RADIO AND AUDIO PRODUCTION 3 CREDITS

PREREQUISITE: COM 241

Emphasizes production techniques and on-air experiences for a variety of program formats including public service programming, musical presentations, news broadcasts, and documentaries.

COM 290 TELEVISION PRACTICUM 1 CREDIT

PREREQUISITE: COM 225 AND PERMISSION OF INSTRUCTOR

One semester of supervised experience with ECSU TV-16. 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 TELECOMMUNICATION POLICY 3 CREDITS

PREREQUISITE: COM 100

Describes telecommunication technology for the non-scientist and will then examine United States' and other governments' policy approaches to these media. Topics for analysis and discussion will include the effect of spectrum scarcity on the Third World, satellites and borders, the First Amendment, and the electronic newspaper.

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 ELECTRONIC 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 II 3 CREDITS

PREREQUISITES: COM 220 AND COM 225

Advanced television production. Emphasizes programs employing more sophisticated special effects. Problems with lighting and production of graphics for television programming. Editing techniques are used extensively.

COM 321 HISTORY AND CRITICISM OF RADIO AND TELEVISION 3 CREDITS

PREREQUISITE: COM 100

An in-depth study of radio and television programming and programming styles both past and present with emphasis on their societal impact.

COM 330 ORGANIZATIONAL COMMUNICATION 3 CREDITS

An investigation through theory and practice of formal group communication in organizational settings. Strong emphasis on simulation exercises.

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 349 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 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 news paper and news magazine publishing including reporting, editing, stylesheets and legal considerations. Economic aspects of publishing such as advertising, circulation, and the impact of telecommunication.

COM 353 PUBLIC RELATIONS 3 CREDITS

A survey of the field of public relations including its practices and problems. Emphasis placed on communication, publicity techniques, and the building of relationships with whom public relations people come in contact.

COM 354 PUBLIC RELATIONS METHODS 3 CREDITS

PREREQUISITES: COM 350 AND COM 353

In this advanced course, students will learn to plan and prepare public relations messages using the multiple communication tools available to achieve public relations objectives.

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 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 WORKSHOP IN TELEVISION 3 CREDITS

PREREQUISITES: COM 220 AND COM 225

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 225 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 220, com 225, 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 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 480 INDEPENDENT STUDY	3-9 CREDITS
COM 490 INTERNSHIP	3 CREDITS
COM 491 INTERNSHIP	6 CREDITS

Department of ECONOMICS

Chairperson: Prem S. Mann

Professors: Rhona Free, John Lombard, Prem S. Mann, Kenneth M. Parzych

Associate Professor: Tapan Roy

Assistant Professor: Maryanne Clifford

Major: Economics (BA)

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 325	Money and Banking
ECO 330	Labor Economics
ECO 340	Business Cycles and Forecasting
ECO 350	International Economics

Business/Accounting Courses

An additional 9 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

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.

Economics (36 credits)

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 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 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 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

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.

Mathematical Economics (36 credits)

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 377	Quantitative Methods for Bus and Eco
ECO 479	Senior Economics Seminar

Electives

Economics

One economics course (3 credits) beyond the required courses, excluding ECO 480, ECO 490, ECO 492.

Mathematics

A total of two courses (6 credits) from the following mathematics courses.

MAT 243	Calculus I with Technology
MAT 244	Calculus II with Technology
MAT 315	Mathematical Statistics I
MAT 316	Mathematical Statistics II
MAT 340	Calculus III
MAT 341	Differential Equations

IV. Political Economy

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.

Political Economy (36 credits)

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 (8 courses) from the following groups are required, including at least 9 credits (3 courses) from economics. No more than 6 credits (2 courses) from any other single discipline can be used.

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
 SOC 455 Social Change & Modernization

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, Third World Focus

Canadian Studies/Business

BUS 370 Business Perspectives Canada/U.S.

Recommended Course Sequence: Economics Major (BA)

Check all course descriptions for prerequisites before planning course schedule.

First Year

ENG 100	College Writing	3
CSC 100	Computer Concepts	3
	General Education Requirements	9-12
ECO 200	Principles of Macroeconomics	3
ECO 201	Principles of Microeconomics	3

	Electives	3-6
Total Second Year		30 credits
	General Education 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 Third Year		30 credits
	General Education Requirements	4-7
ECO 302	Intermediate Macroeconomic Analysis	3
ECO 3**/4**	Economics Elective	3
ECO 3**/4**	Economics Elective	3
ECO/BUS 3**/4**	Economics/Business Elective	3
	Minor	0-6
	Electives	5-14
Total Fourth Year		30 credits
	General Education Requirements	3-6
ECO 479	Senior Economics Seminar	3
ECO 490	Internship	0-6
ECO/BUS 3**/4**	Economics/Business Elective	3
ECO/BUS 3**/4**	Economics/Business Elective	3
	Minor	0-6
	Electives	12-15
Total		30 credits

*Reminder: University policy states that: "Courses which are used in majors or minors may not be used again to satisfy General Education Requirements."

Writing Intensive Courses

The departmental writing-intensive course requirement can be fulfilled by taking ECO 479.

GER Exemptions

Economics majors are exempted from category IIIA with completion of ECO 215, and from category IVB with completion of ECO 200 or 201.

Minor: Economics

ECO 200 and 201 plus 4 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

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 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

Theoretical study of the business firm and consumers as economic decision-makers. Discussion of the distribution of income, labor problems, international trade, and comparative economic systems.

ECO 215 STATISTICS FOR BUSINESS AND ECONOMICS 3 CREDITS

Note: Not open to math majors. Not open for credit to students who have passed MAT 315.

A practical course in statistics with applications to economics, business and science. Emphasis placed on probability, probability distributions, statistical inference, correlation and regression.

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 3 CREDITS

PREREQUISITES: ECO 200 AND ECO 201

In-depth but nontechnical 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 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 economies. 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 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.

Department of Education

Chairperson: David L. Stoloff

Professors: Shirley B. Ernst, Leslie Perfect Ricklin, David L. Stoloff, Jeffrey Trawick -Smith

Associate Professors: Ann M. Gruenberg, Hari Koirala, Richard J. Reynolds,

Mitchell Sakofs, Sudha Swaminathan

Assistant Professors: Jeanelle Bland, Kenneth Dobush, Theresa Picard, Dan Rothermel,

Department information also appears at <http://www.ecsu.easternct.edu/depts/edu/edu.html> on the World Wide Web.

Major Programs in Education

Objectives of the ECSU Teacher Preparation Programs

The mission of ECSU Teacher Preparation Programs is to prepare undergraduate and graduate students of diverse socioeconomic and cultural backgrounds to teach in our nation's schools. The programs will provide professional development services to public school districts and will initiate basic, applied, and collaborative research which relates to problems and issues in education. Graduates of the programs will become models of "best practice" in the classroom, demonstrating the following knowledge and skills:

- Graduates will demonstrate an ability to communicate through writing, speaking, and reading and will be able to perform basic mathematical functions. They will have an understanding of the major domains of knowledge within the humanities and natural, physical, and social sciences and engage in the processes of inquiry unique to each of these areas. They will be "computer literate" and understand the applications of technology in each discipline.
- Graduates will demonstrate an accurate and up-to-date knowledge of major principles and concepts in a particular discipline. They will be able to elaborate on, formulate questions about, and integrate and apply knowledge in that area of specialization.
- Graduates will display a knowledge of the learning-teaching process and will apply this in the classroom. They will demonstrate an understanding of major theories of learning - particularly those of Jean Piaget, Lev Vygotsky, and Erik Erikson. They will show an understanding of various learning styles and of the unique characteristics of children with special needs, and will articulate the importance of adapting classroom strategies to meet these needs.
- Graduates will demonstrate knowledge of the American public school system on local, state, and national levels. They will show an understanding of the relationships among the various constituencies of school and society at all of these levels. They will understand school organization and governance and the rights and responsibilities of students, parents, and school faculties from philosophical, historical, sociological, comparative, and multicultural perspectives.
- Graduates will demonstrate an ability to facilitate learning in the classroom. They will create organized and positive classroom environments which maximize learning while promoting independence, social competence, and positive self-concept. They will promote originality and

creativity in problem solving and self-expression. They will establish developmentally appropriate long and short range objectives and assess student needs and progress through qualitative and authentic as well as quantitative means.

- Graduates will show an acceptance and appreciation of diversity in regard to race, ethnicity, gender, and sexual orientation. They will 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.
- Graduates will demonstrate acceptance of and respect for individual differences among students with special needs. They will facilitate the integration of students with diverse intellectual, social, emotional, and physical abilities and needs into the regular classroom.
- Graduates will display professional and ethical behavior in their work with students, parents, and colleagues. They will demonstrate a knowledge of the legal responsibilities of teachers. They will function in leadership and supportive roles, as appropriate, and show cooperation and collegiality in both roles.
- Graduates will reflect regularly on their own professional practice. They will seek guidance from colleagues and mentors and invite feedback on their teaching. They will assume responsibility for self-evaluation and their own personal and professional growth.
- Graduates will become constructive critics of the education system. They will reflect educational practice and the role of the teacher within school systems. They will demonstrate autonomy in decision-making in their own schools and classrooms and will collaborate with colleagues to improve learning and teaching. They will formulate and articulate their own beliefs about education and will advocate for positive change in American education.

In fulfillment of this mission the faculty of the Teacher Preparation Program will pursue the following specific goals which have been developed to reflect Connecticut's Common Core of Teaching.

Foundational Skills and Competencies

I. Teachers have knowledge of:

Students

1. Teachers understand how students learn and develop.
2. Teachers understand how students differ in their approaches to learning.

Content

3. Teachers are proficient in reading, writing and mathematics.
4. Teachers understand the central concepts and skills, tools of inquiry and structures of the discipline(s) they teach

Pedagogy

5. Teachers know how to design and deliver instruction
6. Teachers recognize the need to vary their instructional methods.

II. Teachers apply this knowledge by:

Planning

1. Teachers plan instruction based upon knowledge of subject matter, students, the curriculum and the community.
2. Teachers select and/or create learning tasks that make subject matter meaningful to students.

Instructing

3. Teachers establish and maintain appropriate standards of behavior and create a positive learning environment that shows a commitment to students and their successes.

4. Teachers create instructional opportunities that support students' academic, social and personal development.

5. Teachers use effective verbal, nonverbal and media communications techniques which foster individual and collaborative inquiry.

6. Teachers employ a variety of instructional strategies that enable students to think critically, solve problems and demonstrate skills.

Assessing and Adjusting

7. Teachers use various assessment techniques to evaluate student learning and modify instruction as appropriate.

III. Teachers demonstrate professional responsibility through:

Professional and Ethical Practice

1. Teachers conduct themselves as professionals in accordance with the Code of Professional Responsibility for Teachers (Section 10-14d-400a of the Connecticut Certification Regulations).

2. Teachers share responsibility for student achievement and well-being.

Reflection and Continuous Learning

3. Teachers continually engage in self-evaluation of the effects of their choices and actions on students and the school community.

4. Teachers seek out opportunities to grow professionally.

Leadership and Collaboration

5. Teachers serve as leaders in the school community.

6. Teachers demonstrate a commitment to their students and a passion for improving their profession.

Admission to the Program

All Education students 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. Students must 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. (Secondary students may begin professional preparation courses in Spring semester only; the application deadline for this program is always October 1.

In most cases undergraduate students should apply for admission in the Spring semester of their sophomore year. Students who transfer to Eastern in the Fall as juniors must apply for admission by October 1 to begin professional preparation courses in the spring. Transfer students must demonstrate academic eligibility at ECSU before acceptance into a teacher education program.

The University has an obligation to children in the schools of Connecticut; therefore it is essential that only those students 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 students whose academic achievement may be satisfactory but who are deemed by the faculty to lack the qualities of personality and personal adjustment desirable of teachers.

The major criteria as established by CARE for admission to the Teacher Education Program are:

- enthusiasm for learning

- capacity to accept and use new ideas
- courage to constructively challenge ideas and people
- willingness to work in harmony with others
- appreciation for individuality
- concern and respect for others
- concern for major social issues of the day
- vitality and energy
- maturity and sense of responsibility
- competence in oral and written English.

For admission to the Undergraduate Teacher Education Program, students 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;
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 the applicant has a total of 1,000 on the SAT, with neither the subtest below 400 points from any test administration on or prior March 31, 1995 or 1,100 or more with no less than 450 on either the verbal or the mathematics subtests from test administrations on or after April 1, 1995.
6. Satisfactorily complete an essay and a personal interview with a team of faculty. Students will be notified in writing when action is taken on their application. CARE recommends students for certification after successful completion of the program.

Retention in the Program

For retention in the Teacher Education Program, students 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 field experiences.

All education students must enroll in a certification program and have another subject major to receive a teaching certificate.

Field Experience

A field experience is required of all students enrolled in CORE I and CORE II courses and CORE III for Early Childhood majors, and it is usually scheduled for one half -day per week in a public school setting. In addition, during CORE II, or CORE III for Early Childhood majors, all early childhood and elementary school students spend one week at the Ragged Hill Woods Environmental Center. In this unique outdoor school, students learn basic environmental concepts as well as the methods and skills for teaching these concepts experientially. The week-long Ragged Hill Woods Field Experience contains one day -long training session for the CORE II or CORE III student teachers 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. Students must apply to the Director of Educational Experience 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, and the second in a primary grade classroom, grades 1 -3, taken in ECE 445 during CORE IV. At least one placement will be in a multicultural setting. 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 field experiences in urban, suburban, and rural school settings.

Students 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 students with disabilities. In the absence of a formal program at Eastern to address the needs of students with disabilities, the Education Department is prepared to make "reasonable accommodations" for students who are admitted into the program. In order that appropriate accommodations may be planned, students in need of special supports are encouraged to inform CARE as early as possible.

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 students are encouraged to complete either Psychology or Sociology majors, but may major in any discipline. Elementary students may major in any discipline except Psychology or Sociology. Secondary students 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 ECSU.

For Early Childhood Majors:

Science (2 courses, 1 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
Psychology 206	3 credits
Current Issues in Health Education (HPE 201)	1 credit

For Elementary Majors:

Physical or Earth Science	3 credits
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Biological Science	3 credits
Math 139	3 credits
Math 140	3 credits
English (6 hours above “College Writing”)	6 credits
Social Science (Psychology, Sociology, Economics, or Political Science)	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

Post-baccalaureate students, those certificate candidates having completed a BA or BS 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	3 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 nineteen competencies which teachers must acquire during their teacher preparation program or first years of teaching. These competencies have been listed earlier as part of the departmental objectives. Students’ 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. Students 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 Elementary and Secondary teachers before a teaching certificate is awarded. All Early Childhood majors will complete a portfolio assessment before a teaching certificate is awarded.

Teacher Certification

Students 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).

Students 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 (BS) 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 students might consider pursuing Early Childhood Education (N-3) Certification or Elementary Education (K-6) Certification within a Master of Science (MS) in Education program. 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, students are awarded an Initial Educator Certificate, which is valid for five years. 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 (BS)

This major is designed to prepare teachers for child care, preschool, kindergarten or primary programs which serve children from ages three to eight 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.

Students must complete the general education courses required for certification as outlined in the General Education Requirement section on previous pages.

Teaching Portfolio

All students 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.

Articulation Agreement With Community Colleges

The Early Childhood Program at ECSU 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, students are advised to check with program faculty for any program changes.

Students 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 field experience)	4 credits
ECE 325	Language and Literacy (includes family child care project)	3 credits

Core II (to be taken together as a block)

ECE 335	The Integrated Curriculum in ECE (includes field 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 Credits 44 credits

Elementary Education Major (BS)

This program is designed to prepare entry -level professionals to teach in elementary school classrooms. Elementary Education Certification at ECSU 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. Students must complete the General Education courses required for certification as outlined on previous pages.

The Elementary Education Certification program at ECSU begins in the Spring semester each year. Students must apply to the CARE Committee by October 1 for acceptance into that academic year's program.

Students 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 US 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
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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	Field Experience	1 credit
EDU 304	Learning and Teaching in Elementary Classrooms	4 credits
EDU 305	Reading and Language Arts I	3 credits
EDU 374	Adaptations for Elementary Level Exceptional Students	3 credits

Core II (taken as a block) (Fall only)

EDU 306	Reading and Language Arts II	3 credits
EDU 401	Field Experience	1 credit
EDU 411	Methods in Elementary Mathematics and Science	4 credits
EDU 412	Curriculum Materials: Social Studies	2 credits

Core III (taken as a block) (Spring only)

EDU 465	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

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. Students may select and be certified to teach in the following major areas: Biology, English, Earth Science, History and Social Studies, and Mathematics.

Students must complete the general education courses required for certification as outlined in the General Education Requirement section on previous pages.

Students will complete the following professional courses in Education:

Foundations

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

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	Field Experience	1 credits
EDU 410	Reading in the Content Area	3 credits

Core II (taken as a block) (Fall only)

EDU 372	Perspectives in Developmental Diversity	3 credits
EDU 401	Field Experience	1 credits

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 The Secondary School 3 credits

EDU 471 Student Teaching 9 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

History/Social Studies majors will complete at least 39 credits as part of their program in the following:

At least 18 credits in History (including U.S., Western, and Nonwestern)

21 credits in Social Science (with a minimum of one course in each of the following areas: political science; economics; geography; sociology, anthropology, and psychology).

Certification

After completion of one of the programs described above, students 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.

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 students 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. Field experience required.

ECE 315 classroom environments I (includes field 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. Field experience required. 1

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. Field experience required.

ECE 335 the integrated curriculum in ece (includes field 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 3 CREDITS
PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

This course provides extended opportunities for students 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. Field 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 3 CREDITS
PREREQUISITE: ADMISSION TO THE EARLY CHILDHOOD PROGRAM

This practicum offers students the opportunity to work closely with a child who has special needs, within a developmentally appropriate early childhood program. Students 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 field 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 students considering education as a major and teaching as a profession. Students will have an opportunity to experience primary, middle and secondary education through field placements. Students will obtain a systematic body of knowledge from which they can develop a repertoire of teaching practices to meet the learning needs of students with diverse learning styles, developmental needs, cultural and socioeconomic backgrounds.

EDU 110 introduction to education 3 CREDITS

Designed for students interested in learning and teaching in K-12 schools as future educators, parents, and concerned citizens. Through a 2-hour seminar of study and self-reflection and a weekly 3-hour field experience in local schools, students 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

Presents major theories of human development and the social, emotional, and cognitive characteristics of typical and exceptional children, age birth through adolescence. Field experiences required.

EDU 210 FOUNDATIONS OF U.S. EDUCATION 3 CREDITS

An introduction to U.S. education through a study and analysis of the historical, sociological, philosophical, ethical, legal, and financial factors basic to the governance and practice of American education. Field experience required. For Elementary, Secondary and Physical Education certification students.

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 AN CLASSROOMS

D SECONDARY 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. Field experience required.

EDU 304 Learning and teaching in elementary classrooms 4 CREDITS

PREREQUISITE: ADMISSION TO THE undergraduate elementary 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 literary development which includes the integration of reading, writing, and literature provides the theoretical perspective of this course. Field experience required.

EDU 306 Reading and Language Arts II 3 CREDITS

PREREQUISITE: ADMISSION TO THE undergraduate elementary certification program.
corequisite courses: EDU 401, EDU 411, and EDU 412.

This course provides pre-service teachers with an integrated approach to the teaching of the language arts (reading/language arts/children's literature) and social studies 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 412.

EDU 360 TECHNOLOGY IN THE CLASSROOM 1 CREDIT

Designed to introduce teachers to the computer as a multi-faceted tool. Students will evaluate educational software from the perspectives of instructional design and curriculum integration. They will learn the potential for enhancing the learning environment using databases, word processors, 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 372 Adaptations for Middle level and secondary exceptional students 3 CREDITS

PREREQUISITES: Admission to the middle level or secondary certification program

This course focuses on making curricular adaptations for exceptional learners who are integrated into general education Middle Level or Secondary classrooms. It also addresses the basic knowledge students need to understand special education law and procedures that govern special education and inclusive schooling in Middle Level or Secondary Classrooms.

EDU 374 Adaptations for elementary level exceptional students 3 CREDITS

PREREQUISITE: Admission to the undergraduate elementary certification program
corequisite courses: EDU 301, edu 304, edu 305, edu 360.

This course focuses on making curricular adaptations for exceptional learners who are integrated into general education elementary classrooms. It also addresses the basic knowledge students need to understand special education law and procedures that govern special education and inclusive schooling in elementary classrooms.

EDU 409 STUDENT TEACHING (PHYSICAL EDUCATION: PREK -12) 12 CREDITS

PREREQUISITES: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF FIELD EXPERIENCE COORDINATOR

Full-time teaching experience for Physical Education majors for PreK -12 certification. Graded on credit/no credit basis.

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. Field experience required.

EDU 411 Methods in Elementary mathematics and science 4 CREDITS

PREREQUISITE: ADMISSION TO THE Undergraduate Elementary certification program

corequisite courses: edu 306, edu 401, and edu 412.

Development of teaching methods based on theoretical and practical aspects of teaching science and mathematics in the elementary grades. Curricular materials, teaching strategies and classroom procedures will be examined and the skills required for teaching math and science will be developed. All students are required to participate in a one -week outdoor education field experience at Ragged Hill Woods.

EDU 412 Curriculum materials: Social studies 2 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 the language arts (reading/language arts/children's literature) and social studies 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 306.

EDU 425 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 3 CREDITS

AND ENVIRONMENTAL EARTH SCIENCE

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. Field 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. Field 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. Field 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. Field experience required.

EDU 465 The Elementary School 3 CREDITS

co-requisite: EDU 470

Required weekly seminar accompanying EDU 470 STUDENT TEACHING (Elementary Schools)

EDU 470 STUDENT TEACHING (ELEMENTARY schools) 9 CREDITS

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF FIELD 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 471 STUDENT TEACHING (SECONDARY EDUCATION) 9 CREDITS

PREREQUISITE: ADMISSION TO THE TEACHER EDUCATION PROGRAM AND APPROVAL OF FIELD 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 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 students, 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.

Department of Health and Physical Education

Chairperson: Neil F. Williams

Professors: Robert Horrocks, Daniel Switchenko, Neil F. Williams

Assistant Professor: Charles Chatterton, Darren Dale, Darren Robert,

Tonia Van Staveren, Nanette Tummers

Major: Physical Education (BS)
Special Subject Certification for Grades PreK -12

Objective

The BS 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. 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.

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 3 components of PRAXIS I at the time of application to CARE.

Degree Requirements

Core Courses

HPE 210	Personal Health	3
HPE 230	Introduction to Physical Education	3
HPE 315	Adaptive Physical Education	3
HPE 328	Applied Anatomy and Physiology (GER III B)	3
HPE 329	The Physiological Basis of Movement	3
HPE 401	Motor Development	3
HPE 411	Sports in American Society	3
HPE 413	Physiology of Exercise	3
HPE 435	Technology in Physical Activity Assessment	3
HPE 075	Community First Aid Card	0
Total		27 credits

Pedagogy and Activities

HPE 361	Individual Activities and Games	3
HPE 362	Team Activities and Games	3
HPE 363	Elementary School Activities and Games	3
HPE 368	Educational Dance and Gymnastics	3
Total		12 credits

Electives

Choose 3 credits from HPE courses numbered 300 or higher.

Total 3 credits

Connecticut State Certification Requirements for Teacher Certification Major Only

These courses satisfy Connecticut State Requirements for the Initial Educator Certificate.

HPE	441	Teaching, Organization and Administration of Elementary School Physical Education	3
HPE	442	Teaching, Organization and Administration of Secondary School Physical Education	3
EDU	200	Child and Adolescent Development and Exceptionalities	3
EDU	210	Foundations of U.S. Education	3
HPE	475	Student Teaching	12
HIS	***	U.S. History (GER IVA)	3
ENG	***	English (GER IIA)	3
Total			30 credits
Total Credits for Teacher certification Major			72 credits
Additional Core Course: Non-Certification Major Only			
HPE	331	Organization and Administration of Physical Education, Recreation, and Athletics	3 credits

Total Credits for Non-Certification Major 45 credits

Major: Sport And Leisure Management (BS)

Objectives

The BS degree with a major in Sport and Leisure Management will provide 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, resort and commercial recreation, employee wellness programs, industrial recreation, sport marketing organizations, private clubs, camps, governmental agencies, commercial enterprises and cultural organizations. This major focuses on the needs of a diverse population across age, gender, cultural and ethnic characteristics.

The Sport and Leisure Management major now has two tracks to permit specialized study in this program. Students may choose a Sport Management track with a focus on sports marketing and sports business, or they may select a Health/Fitness track with an emphasis on fitness assessment and training.

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.

Degree Requirements

Core Courses for Sport and Leisure Management majors

HPE	210	Personal Health	3
HPE	315	Adaptive Physical Education	3
HPE	328+	Applied Anatomy Physiology	3
HPE	329	Physiological Basis of Movement	3
HPE	411	Sport in American Society	3
HPE	413	Physiology of Exercise	3
Total			18 credits
SLM	240	Introduction to Recreation and Leisure Services	3
SLM	330	Design, Construction & Management of Sports Facilities	3

SLM	341	Program Development and Evaluation	3
SLM	345	Techniques: Leadership & Problem Solving	3
BUS	225**	Principles of Marketing	3
BUS	325**	Consumer Behavior	3
Total			18 credits
Required Courses: Health/Fitness			
SLM	340	Exercise Testing and Prescription	3
SLM	350	Health/Fitness Teaching Methods & Personal Training	3
SLM	495/496	Internship: Health/Fitness	3
Total			9 credits
Electives: Choose 6 credits (Health/Fitness)			
HPE	325	Holistic Health	3
SLM	320	Entrepreneurship, Marketing & Communications in Sports	3
HPE	***	HPE Skills from health/fitness related skill s classes	3
Total			6 credits
Required Courses: Sport Management			
SLM	320	Entrepreneurship, Marketing & Communications in Sports	3
COM	330	Organizational Communication	3
SLM	490/491	Internship: Sport Management	3
Total			9 credits
Electives: Choose two Courses (Sport Management)			
HPE	331	Organization/Administration of P.E., Athletics & Recreation	3
HPE	403	Coaching Youth Sports	3
BUS	327**	Industrial Marketing	3
Total			6 credits
Grand Total	51 credits		
Minors: Physical Education			
Sport & Leisure Management			
Students pursuing a Physical Education or Sport & Leisure Management minor must also fulfill the University General Education Requirement of three semester hours in physical education (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, and they will provide a foundation for students apt to need a knowledge of physical education or sport and leisure management for their course of study or career.			
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
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.

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 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 cruising: walk/run for fitness 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 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*	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 146 HANDBALL*	1 CREDIT
Provides instruction and practice in basic four-wall handball skills, rules and strategies for singles, 3-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*	3 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*	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. 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 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 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 315 ADAPTIVE PHYSICAL EDUCATION	3 CREDITS
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 328 APPLIED ANATOMY AND PHYSIOLOGY 3 CREDITS

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

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, 3 CREDITS

ATHLETICS AND RECREATION

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 361 INDIVIDUAL ACTIVITIES AND GAMES 3 CREDITS

PROFESSIONAL ACTIVITY COURSE

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 3 CREDITS

PROFESSIONAL ACTIVITY COURSE

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 3 CREDITS

PROFESSIONAL ACTIVITY COURSE

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 leaderships, skill themes, educational gymnastics.

HPE 368 EDUCATIONAL DANCE AND GYMNASTICS, STUNTS & TUMBLING 3 CREDITS

PROFESSIONAL ACTIVITY COURSE

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
 Provides opportunities to observe, interpret, and formulate instructional decisions regarding basic movement patterns. Mechanical principles governing human movement, principles of skill acquisition and evaluation of movement are presented.

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
 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
 Study of physiological changes in the human organism due to physical exercise, conditions that affect these changes, and ways they may be controlled.

HPE 435 technology in physical education assessment 3 CREDITS
 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 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 3 CREDITS
 ELEMENTARY SCHOOL PHYSICAL EDUCATION
 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 3 CREDITS
 SCHOOL PHYSICAL EDUCATION
 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 475 student teaching (preK-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 3 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

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 320 ENTREPRENEURSHIP, MARKETING & 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 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 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 480 INDEPENDENT STUDY 1-3 CREDITS

PREREQUISITE: PERMISSION OF DEPARTMENT CHAIRPERSON

For those students who wish to pursue independent research and writing.

SLM 490 university INTERNSHIP in sport management 1-9 CREDITS

Note: This course may be repeated for credit to a maximum of 12 credits.

Opportunity to gain on-campus experience in a recreational program with emphasis on organization, leadership, and supervision of recreation activities, under the guidance of a university professional.

SLM 491 professional internship in sport management 1-9 CREDITS

Note: This course may be repeated for credit to a maximum of 12 credits.

This internship course is designed to provide sport management track majors with a pre-professional experience under the direct and individualized guidance and supervision of a sport management specialist outside the university setting. Internship sites vary; consent of the department chairperson is required.

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.

The School Of

Continuing Education

John M. Zulick, Interim Dean

Carol J. Williams, Associate Dean

Nancy L. Tarkmeel, Assistant Dean

Edith M. Longhenry, Coordinator of Non-Credit Programs

The School of Continuing Education is integral to the larger mission of Eastern Connecticut State University. By expanding educational opportunities for adults in eastern Connecticut, the School of Continuing Education affords citizens of the state the opportunity to acquire knowledge, values and the skills necessary to pursue meaningful careers and advanced study; become productive members of their communities; and embrace lifelong learning. These expanded opportunities include:

- Thirteen different degree programs that can be fully completed through late afternoon and evening coursework.
- 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.

- The option for adults to take classes year -round, day or evening, part -time or full-time, and pursue any major program that fits their needs and schedule.
- Recognition of nontraditional credits earned through CLEP/DANTES testing, learning portfolio assessment, ACE and ECE recommendations for military training.
- Accelerated bachelor degree completion year-round through intensive summer and winter sessions and an accelerated program of seven -week offerings during the fall and spring semesters.
- The Credit for Lifelong Learning Program that enables adults to earn credit for college -level learning gained through life/work experience.
- Availability of CLEP testing on-campus throughout the year.

The School of Continuing Education conducts programs on the main campus in Willimantic and at other locations throughout Eastern Connecticut. 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 Burr Hall on the South Campus. Office hours are from 8:15 a.m. until 7:00 p.m., Monday through Thursday, and 8:15 a.m. to 4:30 p.m. on Friday. For information call (860) 465 -5125 or toll-free (877) 853-3278 or click on Continuing Education at the University’s website, easternct.edu. Information on course and registration fees for online courses is available at www.onlinecsu.ctstateu.edu.

Bachelor of General Studies Degree Program (BGS)

The BGS 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 BGS Program.

Credit requirements for the BGS degree can be met through college coursework (taken at Eastern and other colleges) in combination with nontraditional learning programs such as Eastern’s Credit for Lifelong Learning Program, CLEP (College Level Examination Program), DANTES (Defense Activity for Non -Traditional Educational Subjects), 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 BGS 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 3 0 credits must be earned through actual coursework completed at Eastern. Transfer credits from other colleges and universities can be easily incorporated into the BGS degree; there is no time limit on when transfer courses were taken. For further information about the BGS Program, contact the School of Continuing Education at (860) 465-5125.

Requirements for the BGS Degree

General Education Requirements	36-42
Major Concentration (a minimum of 15 credits in the major concentration must be taken at Eastern)	30
Minor Concentration	15
Electives	29-39
Total	120 credits

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

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.

1. 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 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 BGS 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 BA or BS degree. Students interested in Teacher Certification should consult with the Education Department.

A. Requirements for AS 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
General Education Requirements	36
Total	66 credits

B. Requirements for BGS 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
Modified GER (includes 6 credits of foreign language if not completed in high school)	36-42
Concentration (at least 15 credits must be taken at Eastern)	30
Electives	18-24
Total	120 credits

C. Requirements for BA or BS Degree

Transfer credit for LPN license and diploma; dental hygiene license and diploma; or accredited training in medical laboratory technology, radiological technology respiratory therapy	30
Modified GER (includes 6 credits of foreign language if not completed in high school)	36-42
Major (at least 15 credits must be taken at Eastern unless otherwise required by the major dept)	30-48
Electives	0-24
Total	120 credits

The following sections of the General Education Requirements are waived for the above three degrees:

I-B Aesthetic Awareness

- III-B Laboratory Science course
- V-B Health and Physical Education
- Foreign Language for AS Degree only

2. 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 BGS 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 BA or BS 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 BGS Degree	Credits
Credit for RN License	60
Modified GER (includes 6 credits of foreign language if not completed in high school)	21-27
Concentration (at least 15 credits must be taken at Eastern)	24
Electives	9-15
Total	120 credits

B. Requirements for BA or BS Degree	Credits
Credit for RN License	60
Modified GER (includes 6 credits of foreign language if not completed in high school)	21-27
Major (at least 15 credits must be taken at Eastern unless otherwise required by the major department)	30-42
Electives	0-9
Total	120-129 credits

The following sections of the General Education Requirements are waived for Diploma RN's:

- I-B Aesthetic Awareness
- I-C Cultural Traditions (Section 1)
- III-B Non-laboratory Science course
- III-B Laboratory Science course
- IV-A Social Sciences (2 courses)
- V-A Writing (ENG 100)
- V-B Health and Physical Education

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 BGS 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 BA or BS 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 BGS Degree	
Modified GER (includes 6 credits of foreign language if not completed in high school)	36-42
Concentration (at least 15 credits must be taken at Eastern)	24

Electives (includes transfer credits for health care -specific courses)	56-60
Total	120 credits
B. Requirements for BA or BS Degree	
Modified GER (includes 6 credits of foreign language if not completed in high school)	36-42
Major (at least 15 credits must be taken at Eastern unless otherwise required by the major department)	30-42
Electives (includes transfer credits for health care -specific courses)	36-51
Total	120 credits

The following sections of the General Education Requirements are waived for the above two degrees:

- I-B Aesthetic Awareness
- III-B Laboratory Science course
- V-B Health and Physical Education

The Associate Degree Program

The Associate Degree in Science (AS) is available only to freshmen and sophomores 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 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 in Burr Hall.

Requirements for the AS Degree

General Education Requirements (see Note)	36
Concentration (five courses)	15
Electives	9
Total (minimum)	60 credits

Note: The following sections of the General Education Requirements are waived for Associate degree students:

- I-B Aesthetic Awareness
- III-B Laboratory Science course
- V-B Health and Physical Education
- Foreign Language

Office of Professional Development

The Office of Professional Development within the School of Continuing Education extends educational services to the community and to outside organizations. The office also coordinates the use of university facilities by outside groups and organizes Summer Conference programs on the campus.

Committed to providing the highest quality education available at an affordable price, the Office of Professional Development provides personal and professional development courses in a variety of subjects, and specializes in mid- to high-level computer training critical for job advancement or career changes. Application software training and career track certificate programs are offered in Eastern's state-of-the-art computer labs.

The Corporate Education program provides individualized instruction to businesses and organizations throughout Connecticut. Customized training can be provided on-site at the Willimantic campus.

The Office of Professional Development is located in Burr Hall on the South Campus. Office Hours: Monday through Friday, 8:30 a.m. to 4:30 p.m. For information, call (860) 465-5190.

Graduate Division

Patricia A. Kleine, Dean

Charles R. Webb Hall

Graduate Division

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 six graduate programs leading to a Master of Science Degree.

The Department of Business Administration offers two Master of Science Degrees:

- Master of Science Degree in Accounting
- Master of Science Degree in Organizational Management

The Department of Education offers five 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

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.

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 regular 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 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.

Comprehensive Examinations

All graduate students must successfully complete a culminating project. Those students majoring in Accounting must take a comprehensive exam. Students majoring in an educational field have the option of completing either a portfolio or thesis. Students majoring in organizational management have the option of completing either a comprehensive examination or a thesis. Thesis expectations are outlined on a subsequent page.

Students majoring in a field offered by the department of education may produce a portfolio reflecting an assimilation of knowledge relevant to their discipline. Students majoring in organizational management may take a comprehensive examination in their major field to meet requirements for the master's degree. Students must register with the Graduate Division by the established deadlines as published in the Academic Calendar. Comprehensive examinations and portfolio submissions are offered twice each year, once in the fall semester and once in the spring semester.

Students who do not pass the comprehensive exam or the portfolio may take it a second time.

After failure, the student may take the exam or produce the portfolio again the following semester. Students may take the exam, or produce the portfolio, at most two times. If the student fails the comprehensive exam or the portfolio for a second time, no degree will be granted.

Students majoring in education may, however, obtain certification.

Those students taking the comprehensive exam in organizational management who fail three or more of the five exam questions will be considered to have failed the entire exam. Students who fail one or two questions may retake those questions within 30 days. Failure of either one or both of the repeated questions will result in failure of the entire exam.

Students who fail the comprehensive exam or portfolio may follow the grade appeals procedure as outlined. All steps must be followed in accordance with time lines and established policy.

Course Load

A full graduate course load is nine (9) credit hours per semester. 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, School of Education and Professional Studies/Graduate Division. To petition such a request, students must obtain a form from the Graduate Division and provide the information requested. Increasing the maximum credit limit is not guaranteed. Audited courses do not count toward the minimum credit hours for classification as a full-time student.

Dismissal of Graduate Students

Graduate students are subject to dismissal if their overall grade point average falls below 3.0, the level expected of graduate students, or if nine (9) credit hours of "Cs" or below are earned in the accumulation of credits necessary for graduation. Students who become subject to dismissal will be notified of action taken by the Dean, School of Education and Professional Studies/Graduate Division.

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.

Graduate Assistantships

Graduate assistantships, full-time and part-time, are available to graduate students. For further information and an application, contact the Graduate Division Office.

Incompletes

Instructors may award the grade of Incomplete 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 Incomplete. If a grade is not submitted by the deadline, the Incomplete automatically becomes an "F."

Independent Study

Directed Independent Study 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 throughout his/her graduate program.

Students and faculty directors of independent study are responsible for defining projects and justifying them as independent study projects. Application forms for independent study must be completed prior to the beginning of the semester when the study will take place. Forms are available in the Graduate Division office. Independent Study may be appropriate when one or more of the following factors prevail:

- The University does not offer course work 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 Education and Professional Studies/Graduate Division by the established deadlines as published in the Academic Calendar.

International Students

International students must meet all 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 States 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 useable 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 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 is imposed on graduate students regarding degree completion. If extenuating circumstances occur that inhibit the ability of a student from moving forward in a timely manner toward degree completion, a leave of absence can be requested. Upon written petition to the Graduate Division, a leave of absence for one year may be granted. An extension of a leave that has previously been granted may be extended for one more year in extraordinary circumstances. The limit imposed on course credits may be extended equal to the duration of the approved leave. Students requesting a leave of absence should do so in writing to their advisor who then forwards the request to the Dean, School of Education and Professional Studies/Graduate Division, with or without his/her support in writing. The Dean, School of

Education and Professional Studies/Graduate Division must approve all requests for a leave of absence. Approval is not guaranteed.

Matriculation

Matriculation is formal admission to the Graduate Division. All students must matriculate in order to take 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 accumulation of nine (9) credit hours, the individual must apply for, and meet specific requirements for, a degree-granting program or a planned graduate program.

Planned Program of Study

Once a student has been admitted to a graduate degree program or a planned graduate program of any kind, the student must meet with his/her faculty advisor, within three months, to develop a Planned Program of Study. This plan is the document that lists the expectations the student must complete prior to graduation. This includes courses and any other degree requirements. The student and his/her advisor sign and submit the document to the department chair for approval. Once approved, the finalized document must be sent to the Graduate Division and placed in the student's permanent file.

Provisional Status

Students who do not qualify for admission to regular status have the opportunity to appeal and request provisional status. Such an appeal would entail providing documentation and other evidence that the individual believes would support his/her case reflecting a strong potential for success in a graduate program. Acquiring provisional status does not guarantee the individual regular admission into a graduate program. In order to move from provisional status into regular status, students must petition and meet the criteria and expectations set forth by the individual department. Students on provisional status will be allowed to enroll for a maximum of nine (9) credit hours.

Thesis

Graduate students majoring in Education or Organizational Management may pursue the option of writing a thesis. Those students majoring in Education, who opt for thesis writing, do not produce the portfolio. Those students majoring in Organizational Management, who opt for thesis writing, do not take the comprehensive exam.

Thesis writing must be done under the close supervision of a faculty thesis advisor. Students must register for EDU 698 or ORG 698, Thesis I, and EDU 699 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, School of Education and Professional Studies/Graduate Division for approval prior to registration for these courses. Forms are available in the Graduate Division office. Students must submit draft and final copies of the thesis to the Dean, School of Education and Professional Studies/Graduate Division according to established deadlines as published in the Academic Calendar.

Time Limit

A graduate program, including the Fifth Year Program for Professional Certification, must be completed within a period of six (6) years. Transfer credit is included in this time period. This time limit begins upon registration for the first course.

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 should do so in writing to their advisor who then forwards the request to the Dean, School of Education and Professional Studies/Graduate Division, with or without his/her support in writing. The Dean, School of Education and Professional

Studies/Graduate Division 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 department chair must approve transfer credit. Failure to secure approval may result in loss of credit hours. Approval of transfer credit may be approved when:

- Graduate courses have been completed at an accredited institution;
- Courses carry a grade of "B" or higher;
- Courses are related to the student's planned program at Eastern; and
- 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.

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 credit. Undergraduate students wanting to apply under this provision must submit the following to the Graduate Division office:

- Two letters of recommendation from two separate faculty members within the individual's major program;
- A personal statement of intent and accomplishment;
- Consent of the major advisor;
- Consent of the instructor; and
- Consent of the Dean, School of Education and Professional Studies/Graduate Division.

Acceptance is not guaranteed.

Withdrawal from a Course

Students who find it impossible to continue study in a course in which they are officially registered may withdraw in consultation with their advisor and Dean, School of Education and Professional Studies/Graduate Division. In such instances the student is given the grade of "W."

GRADUATE EXPENSES

The schedule of tuition and fees are valid at the time of publication of the catalog and are subject to change as required. The following fees are for the Fall 2002 and Spring 2003 academic year.

Application Fee \$ 40.00

This nonrefundable fee is required of all new 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	\$	1,440.00
State University Fee		353.00
University General Fee		558.00
Student Activity Fee		60.00
Student Sickness Insurance* (annual)		376.00
Information Technology Fee		100.00
TOTAL	\$	2,887.00

Out-of-State Students

Tuition	\$	4,013.50
State University Fee		868.00
University General Fee		558.00
Student Activity Fee		60.00
Student Sickness Insurance* (annual)		376.00
Information Technology Fee		100.00
TOTAL	\$	5,975.50

* For students entering in the Spring, the Sickness Insurance Fee is \$188.00. For waiver qualifications see "Waiver of Sickness Insurance" in the undergraduate expense section.

Part-time students (less than 9 semester hours)

Tuition Per credit	\$	230.00
Registration fees (non-refundable) Per semester	\$	35.00

Information on course and registration fees for online courses is available at www.onlinecsu.ctstateu.edu.

Audit Fee (per credit)	\$	230.00
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
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This fee will be charged for any checks which are not honored by banks.

Financial Aid

Financial assistance includes grants, loans, scholarships, and employment. Financial aid information may be obtained from the Financial Aid Office in the Student Center. Both full and part-time students are eligible to apply.

Graduate Assistantships

Graduate assistantships, full-time and part-time, are available to graduate students. For further information and an application, contact the Graduate Division office.

GRADUATE APPLICATIONS AND ADMISSIONS

Applications for admission can be requested by contacting the Graduate Division, Eastern Connecticut State University, 83 Windham Street, Willimantic, CT 06226 or by phone (860) 465-5292. Applications can be obtained directly from the Graduate Division Office in Room 160, Webb Hall, as well as at the Education Department, Room 124, and the Business Administration Department, Room 423.

The Graduate Division has a rolling admission process for the fall and spring semesters; however, applicants are urged to submit completed applications and credentials the semester before they are seeking admission. In addition, the Education Department requires a separate application for those who are applying for admission to a teacher certification program.

Appeal of Admission Decision

Students may appeal an admission decision by submitting a written appeal to the Dean of Education and Professional Studies.

Degree Students

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 semester hours; part-time students register for fewer than nine semester hours.

Non-Degree Students

Students who do not wish to become candidates for a master's degree may be admitted to the Fifth Year Planned Program for Professional Certification, cross endorsement certification programs, or additional teacher certification programs (Remedial Reading/Remedial Language Arts certification, Reading/Language Arts Consultant). Non-degree students may include students seeking courses for transfer to another institution or for personal or career enhancement. Upon acceptance into graduate studies, a student pursuing a non-degree program will develop the program of study through the Graduate Division office.

Provisional Status

Students who do not fully qualify for admission to regular status must provide sufficient evidence of ability in their chosen field to warrant their provisional admission to a master's degree program. The conditions for admission to regular status are stated in the letter of acceptance sent to the student.

GRADUATE PROGRAMS

Eastern Connecticut State University offers six Master of Science Degree programs and two additional graduate programs for educators.

The Master of Science Degree in Accounting offers the advanced credit required for those professionals who wish to sit for the CPA Examination. This program is open to those with a background in Accounting and those who are seeking entry into the profession.

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 four disciplines. Graduate programs are also available for those seeking a Fifth Year to earn their Professional Educator Certificate.

The School of Education offers graduate level Teacher Certification in Early Childhood Education and Elementary Education.

MASTER OF SCIENCE DEGREE IN ACCOUNTING

The Master of Science in Accounting provides students with extensive specialization in accounting as well as breadth of knowledge in economics, management, and finance essential for professional careers in today's global market. This graduate program provides sound professional preparation for careers as professional accountants in private industry, financial institutions, government, nonprofit organizations, and public accounting firms. Graduates will be prepared for a wide range of professional career opportunities and will be able to succeed not only in entry-level professional positions, but also to advance in life-long careers of increasing responsibility and leadership.

GRADUATE ADMISSION REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE IN ACCOUNTING

Applicants seeking admission to the Graduate Program must have a bachelor's degree from an accredited institution with a minimum GPA of 2.75 and preferably an undergraduate degree in accounting. Their records must show evidence of professional promise and ability to perform at

the graduate level. Applicants with other credentials will be considered on a case by case basis. At time of admission, or prior to the completion of two courses in the program, students must take the Graduate Management Admission Test (GMAT). In order to observe AACSB guidelines, a minimum GMAT score of 450 is required. The GMAT requirement may be waived for those possessing a graduate degree in another discipline, a professional designation, or extensive experience in the field of accounting. Admission is limited to no more than twenty -five students per semester.

All applicants must submit:

1. A completed application accompanied by a nonrefundable application fee of \$40.00.
2. A personal statement of academic and career goals as they relate to the program.
3. Two letters of recommendation.
4. Official undergraduate/graduate transcript(s) from all institutions above high school
5. GMAT score
6. International applicants whose native language is not English will need a minimum score of 575 on the Test of English as a Foreign language (TOEFL) and proof of financial support.

Program Requirements

Students must complete a total of 30 credits. The graduate seminars must be taken as the last six credits in the program of study. The remaining course work is taken in consultation with a faculty advisor.

Students entering this program without a strong background in accounting will be required to take at least 21 semester hours in accounting courses 300 and 400 level (i.e., 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 412 Auditing; and ACC 416 Federal Individual Taxation). In addition, these students must have earned at least 30 credit hours in economics and business education, and at least 60 credit hours in general education.

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 also subject to dismissal if nine semester hours of “C” are earned in the accumulation of credits necessary to graduate or if grades of “C” or below are earned in consecutive courses. Regular warning, probation and dismissal procedures are used to discourage unqualified students from persistent enrollment in courses.

PROGRAM CURRICULUM

I Graduate Core

ECO 510	Managerial Economics	3 credits
BUS 545	Financial Management	3 credits
BUS 531	Organizational Behavior	3 credits
COM 530	Organizational Communications	3 credits

II Accounting Courses

ACC 515	Advanced Financial Reporting	3 credits
ACC 520	Accounting for Not-for-Profit Organizations and Governmental Units	3 credits
ACC 525	Accounting for International Operations	3 credits
ACC 535	Advanced Studies in Taxation	3 credits

III Graduate Seminars*

ACC 530	Topical and Current Issues in Accounting	3 credits
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ACC 531 Professional Development in Accounting 3 credits
Total 30 credits

GRADUATE ADMISSION REQUIREMENTS FOR THE MASTER OF SCIENCE IN EDUCATION DEGREE

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.

All students must submit:

1. A completed application accompanied by a nonrefundable \$40.00 application fee.
2. Official undergraduate/graduate transcript(s) from all relevant institutions attended.
3. A statement of educational philosophy and professional goals.
4. For the MS programs, references from two individuals knowledgeable about the candidate's abilities to complete graduate work are required. For the MS and certification programs, references from three individuals are required —two on the candidate's potential as a n educator, one on his/her abilities to complete graduate work.
5. Examination scores as required.

All students seeking admission into a certification program must be formally admitted into the Teacher Education Program. The department of Education has established a committee of faculty members, the Committee on Admission and Retention in Education (CARE). This committee is responsible for the admission process and also monitors student progress after admission.

Materials must be received in the Graduate Division office before acceptance into a program can be granted.

Upon evaluation by the Dean of Education and Professional Studies, students will be notified in writing of their admission to the Graduate Program. At that time, students will be assigned an advisor and will be expected to complete a written program of study within three (3) months. Acceptance of graduate course work taken prior to admission is conditional upon review by the assigned graduate advisor and approval by the Dean. Students must formally request that courses taken prior to application to the graduate program be accepted. This must be written into the student's plan of study. Students are expected to work closely with an advisor in completion of their programs.

MASTER OF SCIENCE DEGREE PROGRAMS IN EDUCATION

The Master of Science Degree in Education is awarded to students satisfactorily completing an appropriate course of study consisting of course work credit and either a thesis or a comprehensive assessment (reflection paper/portfolio). In all cases, the total credits required for graduation are 30 credits.

Culminating Experience

Comprehensive Assessment Reflection Paper/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 Degrees are offered in:

Early Childhood Education

Educational Technology

Elementary Education
Reading/Language Arts
Science Education

Each degree program has a required Plan of Study that must be developed by the student and his/her faculty advisor within three months after admission. Graduate students may change their Plan of Study only with approval of their advisor and the Dean of Education and Professional Studies.

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 Education 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 Elementary Education

This Master's degree program provides advanced study for practitioners for teaching and careers in elementary education.

Master of Science in Reading/Language Arts

This Master's degree program is designed to fulfill the needs of K-12 classroom teachers who wish to become more knowledgeable in the teaching of reading, literature, and writing. Current research on the reading process will be examined and teaching strategies that have immediate classroom utility will be developed. Coursework may be applied to certification programs in Reading/Language Arts.

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.

Requirements for the Master of Science Degree Programs in Education

Total Credits Required For All MS Degree Programs in Education 36 credits

I. Graduate Core – Required for all programs

1. EDU 508 Research in Education
2. EDU 555 Education and Society
3. EDU 511 Learning and Teaching: Concepts and Models

II. Degree Programs

A. Early Childhood Education

I. Graduate Core – 9 credits

1. EDU 508 Research in Education
2. EDU 555 Education and Society
3. EDU 570 Capstone Seminar (completed at end of program)

II. Professional Preparation Courses – 21 credits

1. ECE 500 Advanced Study of Early Childhood Development
2. ECE 501 Families, Communities and Culture
3. Literacy Option (choose one):

ECE 503 Language and Literacy

or

ECE 507 Reading and Writing in the Primary Years

4. ECE 504 Early Childhood Curriculum
5. Special Education Option (choose one):
 - ECE 505 Young Children with Special Needs
 - or
 - ECE 506 Adaptations for Diverse Needs
6. Curriculum Option (choose 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
- III. Electives
 - 2 Courses
 - Comprehensive Assessment Reflection Paper/Portfolio
- B. Educational Technology – 21 credits
 - Educational Technology Core Courses – 6 credits
 1. EDU 553 Computers in the Classroom and the Curriculum
 2. EDU 577 Educational Computing - Theory and Practice
 - Curriculum Studies Courses – 6 credits (select two courses)
 1. EDU 532 Current Issues and Trends: Mathematics
 2. EDU 542 Current Issues and Trends: Science
 3. EDU 544 Patterns of Development: Typical and Exceptional
 4. EDU 563 Current Issues and Trends: Social Studies
 5. EDU 582 Mainstreaming Special Education
 6. MLE 525 Curriculum Development and Alternative Assessment in Middle Grades
 7. RLA 513 Process, Development, and Teaching of Reading
 - Electives – 9 credits
 1. EDU 554 LOGO: A Programming Language
 2. EDU 557 International and Cross-Cultural Education
 3. EDU 580 Productivity Tools and Curriculum Applications
 4. COM 550 Educational Television and Media Convergence
 5. ORG 631 Introduction to Network Organization
 6. EDU 698 Thesis I
 7. EDU 699 Thesis II
- C. Elementary Education
 1. EDU 532 Current Issues and Trends: Mathematics
 2. EDU 542 Current Issues and Trends: Science
 - or
 - EDU 531 Science in the elementary school
 3. EDU 563 Current Issues and Trends: Social Studies
 4. RLA 513 Process, Development, and Teaching of Reading
 5. EDU 545 Curriculum Development and Evaluation
 6. EDU 570 Capstone Seminar (or EDU 698/699 Thesis)
 7. EDU 582 Mainstreaming Special Education
- D. Reading/Language Arts**
- I. RLA Core (These Courses are prerequisites for the remaining RLA courses)

- EDU 508 Research in Education
 - RLA 555 Trends & Issues in Reading/Language Arts
 - RLA 513* Process, Development and Teaching of Reading
 - RLA 514* Process, Development and Teaching of Writing
 - RLA 517* Revaluing Reading/Language Arts I: Assessing and Correcting Problems
- II. Select either the Thesis option or the Comprehensive Assessment Option
- Comprehensive Assessment Option:
- EDU 570 Capstone Seminar (to be completed at end of program)
- Thesis Option:
- RLA 698 Thesis I and RLA 699 Thesis II
- III. Select remaining 3-4 courses from the following with at least one from group A:
- Group A:
- RLA 524 Children's Literature: An Issues Approach
 - RLA 526 Children's Literature: A Reader Response Perspective
 - RLA 527 Multi-cultural Literature for Children and Young Adults
 - RLA 528 Literature for Middle Grades
 - RLA 529 Young Adult Literature in the High School
- Group B:
- RLA 515 The Early Years
 - RLA 516* Middle and Secondary Content Applications
 - RLA 518* Revaluing Reading/Language Arts II: Advanced Assessing and Correcting Problems
- E. Science Education
1. Required Courses
 - a. EDU 541 Curriculum Innovations in Science
 - b. EDU 542 Curriculum-Issues and Trends in Science Education
 2. Recommended for Elementary Teachers-EDU 537 Science in the Elementary Schools.
 3. Other graduate courses in Education or Science (as determined by student and advisor).

Program participants are strongly encouraged to consider the thesis option for the culminating experience.

GRADUATE CERTIFICATION PROGRAMS

The Graduate Certification Programs in Early Childhood Education and Elementary Education are designed for individuals having already completed their Bachelor's degree, with a minimum of 39 semester hours of credit in the following general academic courses:

United States History (HIS 310 or other approved US History survey course)
HPE 201 or HPE 210

Coursework in the following areas, as specified in individual program plans of study:

Natural Science

Social Science

Arts

English (6 credits)

Mathematics

Foreign Language

I. Master of Science in Early Childhood Education and Certification
pre-requisites: BA/BS from an accredited university, with

required general education coursework

Graduate Core 9 credits

EDU 508	Research in Education	3 credits
EDU 555	Education and Society	3 credits
EDU 570	Capstone Seminar (completed at end of program)	3 credits
ECE Certification Courses		39 credits
ECE 500	Advanced Study of Early Childhood Development	3 credits
ECE 501	Families, Communities and Culture	3 credits
ECE 503	Language and Literacy	3 credits
ECE 504	Early Childhood Curriculum	3 credits
ECE 505	Young Children with Special Needs	3 credits
ECE 506	Adaptations for Diverse Needs	3 credits
ECE 507	Reading and Writing in the Primary Years	3 credits
ECE 509	Seminar for Preservice Teachers	3 credits

Curriculum Option (choose 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	3 credits
ECE 575	Assessment in Early Childhood Education	3 credits
Comprehensive Assessment Reflection Paper/Portfolio		0 credits

II. Master of Science in Elementary Education and Certification

pre-requisites: BA/BS from an accredited university, with

required general education coursework

Graduate Core 15 credits

EDU 508	Research in Education	3 credits
EDU 555	Education and Society	3 credits
EDU 511	Learning and Teaching	3 credits
EDU 545	Curriculum Development and Evaluation	3 credits
EDU 570	Capstone Seminar	3 credits
Elementary Certification Courses		40 credits
EDU 509	Field Experience	3 credits
EDU 544	Patterns of Development	3 credits
RLA 513	Process, Dev. & Teaching of Reading	3 credits
RLA 524	Children's Literature: An Issues Approach	3 credits
or		
RLA 526	Children's Literature: A Reader's Response Perspective	3 credits
or		
RLA 527	Multicultural Literature for Children and Young Adults	3 credits
EDU 532	Issues/Trends: Math	3 credits
EDU 537	Science in Elementary School	3 credits
EDU 553	Computers in Classroom & Curriculum	3 credits
EDU 563	Issues/Trends: Social Studies	3 credits
EDU 565	Seminar: Elementary School	3 credits

EDU 573	Graduate Student Teaching (Elementary School)	9 credits
EDU 582	Mainstreaming Special Education	3 credits

Two of the following 3 courses:

ART 370	Art in the Classroom	1 credit
MUS 370	Music in Elem. Classroom I	1 credit

or

HPE 360	Curriculum Materials – Physical Ed.	1 credit
	Comprehensive Assessment Reflection Paper/Portfolio	0 credit

SPECIAL PROGRAMS

Planned Fifth Year Professional Certification Program

Students with Provisional Certification who do not wish to complete a Master of Science degree may complete thirty hours in a Planned Fifth Year Program to meet state requirements for the Professional Educator Certificate.

Questions concerning this program should be referred to the Graduate Division Coordinator at (860) 465-4543.

COOPERATIVE PROGRAMS

Sixth Year Program

Eastern cooperates with Southern Connecticut State University in a Sixth Year Program in Educational Leadership. Students interested in the program may obtain information and/or an application by contacting the Educational Leadership Department at SCSU, (203) 392-5342.

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 seeking to develop interpersonal and organizational skills applicable for a wide variety of work settings and should be of particular interest to individuals in supervisory and project management positions in social and public agencies. The program assumes professional work experience on the part of participating students. It is a professional development program designed to enhance the individual's ability to deal with the dynamics of complex organizations.

Graduate admission requirements for the Master of Science Degree in Organizational Management

Applicants seeking admission to the Graduate Program 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 twenty-five students will be admitted per semester.

Work experience is considered in the admission decision.

All applicants must submit:

1. A completed application accompanied by a nonrefundable application fee of \$40.00.
2. A personal statement of academic and career goals as they relate to the program along with a statement of experience with software applications.
3. Two letters of recommendation.
4. Official undergraduate/graduate transcript(s) from all institutions above high school level.
5. Case Study Analysis.
6. Evidence of extensive work experience.

Program Requirements

Students must complete a total of 36 credits. As part of their program, they must complete the five core courses. The remaining course work 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

I. Foundation Course

ORG 508 Introduction to Organizational Research (core course)

II. Interdisciplinary Content Areas

A. Individual Behavior

PSY 506 Theories of Interviewing and Counseling

PSY 507 Industrial and Organizational Psychology

PSY 508 Social Psychology (core course option)

ORG 536 Critical Thinking, Problem Solving and Management Processes in Organizations (core course)

ORG 637 Workshop in Interpersonal Skills for Management Effectiveness

B. Group Dynamics

BUS 531 Organizational Behavior and the Administrative Process

COM 530 Organizational Communication

ORG 537 Small Group Dynamics in Organizations (core course)

C. Organizational Processes and Structure

BUS 532 Management of Organizations (core course option)

BUS 533 Methods of Human Resource Management

BUS 535 Total Quality Management and Customer Value

ORG 631 Introduction to Network Organization

ORG 632 LAN'S, MAN'S and Internetworking

ORG 633 Network Management and Administration

ORG 634 Network Analysis and Design

ORG 675 Seminar in Special Topics

PSY 538 Training and Development in Organizations

III. Capstone Seminar (final course)

ORG 570 Organizational Capstone Seminar (core course)

IV. Culminating Experience

A. Comprehensive Examination no credits

or

B. Thesis 6 credits

Students selecting the thesis option take 30 credits of course work. The final 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 INSTRUCTION

Accounting

ACC 515 ADVANCED FINANCIAL REPORTING

3 CREDITS

PREREQUISITES: acc 303, acc 311, and acc 416 or equivalent coursework taken at other accredited schools

Provides the student with the procedures and techniques needed to prepare consolidated financial statements for a parent company and its subsidiaries. Statutory mergers, consolidations and acquisitions result in a single accounting entity, which involves many reporting complexities. Topics covered includes pooling vs. purchase method, cost, equity method and various types of inter-company transactions. Attention is also directed to the formation, operations, and liquidation of partnerships. Other topics covered include methods of business formation, income sharing plans, changes in ownership and installment payments.

ACC 520 ACCOUNTING FOR NOT -FOR-PROFIT ORGANIZATIONS AND GOVERNMENTAL UNITS 3 CREDITS

PREREQUISITES: acc 303, acc 311, and acc 416 or equivalent coursework taken at other accredited schools

A study of accounting principles, concepts and authoritative pronouncements applicable to not -for-profit organizations and governmental units. Additional topics include the budgeting process and the tax treatment of public charities and private foundations.

ACC 525 ACCOUNTING FOR INTERNATIONAL OPERATIONS 3 CREDITS

PREREQUISITES: acc 303, acc 311, and acc 416 or equivalent coursework taken at other accredited schools

The objectives of this course are to familiarize students with multinational enterprises and the accounting issues and problems peculiar to them such as consolidations of foreign subsidiaries, foreign currency translations, foreign investment analysis and multinational risk management. Consideration will be given to international transfer pricing and the peculiarities of internal auditing in an international setting.

ACC 530 TOPICAL AND CURRENT ISSUES IN ACCOUNTING 3 CREDITS

PREREQUISITES: acc 303, acc 311, and acc 416 or equivalent coursework taken at other accredited schools

This course will acquaint students with topics generally not covered in traditional accounting courses. Attention will be directed to current issues and problems faced by accountants and the accounting profession. Topical coverage may include the gaming and recreational industries, health care costs, derivatives, forensic accounting and ethics.

ACC 531 PROFESSIONAL DEVELOPMENT IN ACCOUNTING 3 CREDITS

PREREQUISITES: acc 303, acc 311, and acc 416 or equivalent coursework taken at other accredited schools

Students will be required to attend professional development seminars accredited by the Connecticut Society of Certified Public Accountants, the American Institute of Certified Public Accountants and other professional organizations or to complete individual research on a selected topic.

ACC 535 ADVANCED STUDIES IN TAXATION 3 CREDITS

PREREQUISITES: acc 303, acc 311, and acc 412 or equivalent coursework taken at other accredited schools

To discuss the traditional corporation and partnership taxation topics: to provide an understanding of taxation concepts and terminology; to discuss recent developments in taxation and reporting practices promulgated by the Internal Revenue Code and how they are applied by tax practitioners in public accounting and industry.

Art

ART 501 ART FOR TEACHERS

3 CREDITS

Contemporary philosophy, curriculum, and practices in art education for the elementary school. Theories, materials and processes will be explored and evaluated. (Acceptable for elementary education endorsement.)

ART 502 EARLY CHILDHOOD ART EXPERIENCES 3 CREDITS

Opportunity is given to the student to understand objectives, principles, and practices of early childhood art experiences in the elementary school. (Acceptable for elementary education endorsement.)

ART 507 AMERICAN FOLK ART 3 CREDITS

This course covers two hundred years of nonacademic art. A better understanding of American history can be gained through the study of the material culture of the "common people." Nearby resources such as Sturbridge Village, Mystic Seaport Museum, the Wadsworth Athenaeum, and local historical societies will be used to supplement the class presentations. Folk painting, sculpture, textile arts, and maritime arts will be presented through slides and craft projects. (Acceptable for elementary education endorsement.)

ART 580 INDEPENDENT STUDY 3 CREDITS

PREREQUISITE: Consent of Instructor

Study for advanced students with a major concentration in Art.

Biology

BIO 505 THE ANIMAL WORLD 3 CREDITS

Note: For the non-science major. No science background required. Greater sophistication in test taking, writing, literature, and research necessary.

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.

BIO 507 plants and human affairs 3 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.

BIO 520 TROPICAL BIOLOGY 3 CREDITS

PREREQUISITE: Permission of Instructor

A nine- to twelve-day field ecology experience in the tropics or subtropics. Concepts of tropical ecology, island biogeography, as well as natural history of marine and terrestrial fauna and flora are studied.

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).

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 a approval from the Instructor.

Advanced study of the physical, social, emotional, and cognitive characteristics of young children, from birth to age eight.

ECE 501 THEORIES AND TOPICS IN EARLY CHILDHOOD DEVELOPMENT

3 CREDITS

PREREQUISITE: An Approved plan of study in Early Childhood Education or approval from the Instructor.

Reviews major theories of human growth and development and their implications to early childhood education. Examines current research on selected topics in the behavior and development of young children.

ECE 502 PROGRAM MODELS AND TEACHING PRACTICES IN EARLY CHILDHOOD EDUCATION 3 CREDITS

PREREQUISITE: An Approved plan of study in Early Childhood Education or approval from the Instructor.

Examines characteristics and effects of major curriculum models in early childhood education. Surveys specific teaching strategies which lead to positive outcomes for young children.

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. Surveys approaches to facilitating language and literacy acquisition in the early childhood classroom.

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 instructional practices in selected curriculum areas of the early childhood classroom. Presents empirical support for child directed, process oriented approaches to teaching young children.

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 course is designed to provide teachers with competence needed to work with young children with special needs in regular classrooms in accordance with the Individuals with Disabilities Education Act (P.L. 101-470).

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 certification students with the background in special education which will meet requirements for dual certification in the nursery school -kindergarten (N-K) range. Field experiences required.

ECE 507 LITERACY AND CULTURE 3 CREDITS

PREREQUISITE: ECE 500 OR ECE 503

Examines issues and topics in early literacy from a multicultural perspective. Focuses on the facilitation of written and oral language development in the primary years. Considers strategies for authentic, unbiased assessment.

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 566 practicum in early childhood special education 3 CREDITS

This provides professional experiences for 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 Graduate student teaching (early childhood education) 6 - 9 CREDITS

Prerequisite: Admission to the teacher education program and approval of field 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. 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 576 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 507 (ELE 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. (Acceptable for Elementary Education endorsement.)

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 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 509 FIELD EXPERIENCE 1 CREDIT

Additional opportunity to relate theory with practice through a 3 hour per week field experience with learners in educational settings and a monthly seminar to discuss participants' observations and participation.

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 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 530 (ELE 530) MODERN MATHEMATICS IN THE CLASSROOM I 3 CREDITS
 PREREQUISITE: Six hours of college Mathematics or Consent of Instructor
 Will provide additional depth in understanding the content of mathematics taught in grades N -6. (Acceptable for Elementary Education endorsement.)

EDU 531 MODERN MATHEMATICS IN THE CLASSROOM II 3 CREDITS
 PREREQUISITE: Six hours of college Mathematics or Consent of Instructor
 A continuation of EDU 530. It deals with content appropriate for grades 7-12. Additional mathematical topics and their applications will be studied.

EDU 532 (ELE 532) CURRENT ISSUES AND TRENDS: MATHematics 3 CREDITS
 Emphasis in this course is on methods for teaching mathematics at all grade levels. Participants will concentrate on individual are as of interest through investigation of visual and manipulative aids, games, techniques of instruction, and structure of various mathematical concepts. (Acceptable for Elementary Education endorsement.)

EDU 537 (ELE 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. (Acceptable for Elementary Education endorsement.)

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 (ELE 542) CURRENT ISSUES AND TRENDS: SCIENCE 3 CREDITS
 Seminar and workshop sessions deal with contemporary approaches to science teaching and modern science curriculum projects. (Acceptable for Elementary Education endorsement.)

EDU 544 (ELE 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. Acceptable for Elementary Education endorsement.

EDU 545 CURRICULUM DEVELOPMENT AND EVALUATION 3 CREDITS
 A study of the development and evaluation of school curriculum. 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 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 (ELE 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. (Acceptable for Elementary Education requirement.)

EDU 554 (ELE 554) LOGO: A PROGRAMMING LANGUAGE 3 CREDITS

Examines rationale, development, and use of LOGO to promote critical thinking, mathematics, and writing. (Acceptable for Elementary Education endorsement.)

EDU 555 EDUCATION AND SOCIETY 3 CREDITS

Note: This course is a prerequisite for all other courses in all Education Master's programs. 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 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 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 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. (Acceptable for Elementary Education endorsement.)

EDU 565 graduate student teaching seminar 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

Required weekly seminar accompanying EDU 571 or EDU 573.

EDU 570 CAPSTONE SEMINAR (Completed at end of program.) 3 CREDITS

A seminar in which 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 field 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 field 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 (ELE 580) PRODUCTIVITY TOOLS AND CURRICULUM APPLICATIONS 3 CREDITS

Examines issues, theories and past, current, and future applications of computers in the schools. (Acceptable for Elementary Education endorsement.)

EDU 581 (ELE 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. (Acceptable for Elementary Education endorsement.)

EDU 582 (ELE 582) MAINSTREAMING SPECIAL EDUCATION 3 CREDITS

Exploration of approaches to teaching students with exceptionalities. Strategies for meeting the diverse needs of students in general education will be demonstrated. (Acceptable for Elementary Education endorsement.)

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 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 (ELE 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 socio-psycho linguistic models of reading. (Acceptable for Elementary Education endorsement.)

RLA 514 (ELE 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 socio-psycho-linguistic models of writing. (Acceptable for Elementary Education endorsement.)

RLA 515 (ELE 515) THE EARLY YEARS 3 CREDITS

PREREQUISITES: RLA 513, RLA 514

A study of the process and problems unique to teaching emergent readers. Specific strategies for using and teaching reading and writing in primary grades will be covered. (Acceptable for Elementary Education endorsement.)

RLA 516 MIDDLE AND SECONDARY SCHOOL CONTENT APPLICATIONS

3 CREDITS

Explores the value and use of reading and writing in learning in the content areas. Focus will be on strategies which assist middle and secondary students in learning content material.

RLA 517 ASSESSING AND CORRECTING PROBLEMS 3 CREDITS

PREREQUISITES: RLA 513, RLA 514; 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, with an emphasis on the Reading Miscue Inventory (RMI). 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 513, RLA 514, 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 513, RLA 514, RLA 517, RLA 518

Supervised practicum in the evaluation and teaching of reading and writing with learners who are not achieving as expected/desired. 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 521 ORGANIZATION, ADMINISTRATION, AND SUPERVISION OF READING PROGRAMS

3 CREDITS

PREREQUISITES: RLA 513, RLA 514, RLA 516, rla 517, RLA 518, 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 513, RLA 514, RLA 516, rla 517, RLA 518, rla 519, rla 521

Study of applied reading and language arts research. Investigation and analysis of significant trends practicum 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 513, RLA 514, RLA 516, rla 517, RLA 518, rla 519, rla 521, rla 522

Study of applied reading and language arts research. Investigation and analysis of significant trends practicum 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 middle and secondary grades.

RLA 524 (ELE 524) CHILDREN'S LITERATURE: AN ISSUES APPROACH

3 CREDITS

PREREQUISITE: 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. (Acceptable for Elementary Education endorsement.)

RLA 526 (ELE 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. (Acceptable for Elementary Education endorsement.)

RLA 527 (ELE 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. (Acceptable for Elementary Education Endorsement.)

RLA 528 literature for the middle grades

3 CREDITS

PREREQUISITE: Graduate Standing or permission of instructor

Critically examines literature written for middle grade children and reflecting a wide range of genre. The literature itself will be examined as well as ways of connecting learners with it.
 RLA 529 Young adult literature in the high school 3 CREDITS
 PREREQUISITE: Graduate Standing or permission of instructor

Critically explores the young adult novel in the high school classroom and in the lives of adolescents. Includes issues surrounding the books, adolescent development and the high school curriculum.
 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 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.

Environmental Earth Science

EES 500 CONCEPTS IN BASIC EARTH SCIENCE 3 CREDITS
 Fundamentals of earth science for those teaching the subject but needing an overview or updating. Will cover minerals and rocks, and processes or phenomena of the Earth's interior and surface.

EES 501 CONTROVERSIES IN EARTH SCIENCE 3 CREDITS
 Examination of aspects which have been controversial when proposed for interpretation, or that remain unresolved.

EES 502 GEOLOGIC FIELD STUDIES 3 CREDITS
 Study of geologic features at exposures in Connecticut and possibly in nearby areas.

EES 503 SPECIAL TOPICS IN EARTH SCIENCE 3 CREDITS
 Various subjects in earth science to be offered on an occasional basis. Examples of potential topics are paleontology, gemology, planetary geology, environmental geology, landscape analysis, and regional geology of North America.

EES 504 ENVIRONMENTAL ISSUES 3 CREDITS
 An interdisciplinary course for nonscience majors emphasizing the multi-disciplinary aspects of environmental issues. Interrelationships and interactions of natural, social, and practical systems are explored through such issues as water, ocean, energy and mineral resources, wetland preservation, coastal zone management, solid and hazardous waste disposal, and land development practices.

EES 521 Geology of Connecticut and new england 3 CREDITS

The geologic history of New England with emphasis on Connecticut mineral and rock occurrences and their implications. Relationships to the settlement and development of the past, present and future.

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 judgement in management processes, and the development of reflective judgement 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 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 disfunction 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 Communications, Computer Science, Psychology, and Sociology. See the program curriculum description.

Psychology

PSY 505 PSYCHOLOGICAL ASSESSMENT TECHNIQUES 3 CREDITS

The construction and use of psychological tests, including tests of intelligence, achievement, personality, and interest. Students will be given an opportunity to familiarize themselves with major tests and to study problems of validation and administration.

PSY 506 THEORIES OF INTERVIEWING AND COUNSELING 3 CREDITS

An introduction to the interview in vocational and counseling settings. The interview as an information gathering process and its role in decision-making.

- 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, 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.
- PSY 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.
- PSY 560 SEMINAR ON SPECIAL TOPICS 3 CREDITS
 A seminar providing the opportunity to study selected topics not emphasized in other courses. The specific area(s) of psychology selected for study will vary from one seminar to another. The course involves the basic theoretical principles and empirical research of different content areas.
- PSY 580 INDEPENDENT STUDY 3 CREDITS
 Research, conferences and papers on the appropriate topic under the supervision of a member of the department. A clear statement of the student's research and writing plans must be submitted prior to the beginning of the course to the professor with whom the student will be working. Must be approved by advisor and the Dean.
- Science
- SCI 530 ASTRONOMY 3 CREDITS
 Various aspects of astronomy with special reference to ways in which men have discovered the basic concepts of astronomy. Laboratory investigation will be carried out in relation to the problems being studied. Three nights of observation will be required.
- SCI 531 NATURAL SCIENCE: AN INTEGRATED VIEW 3 CREDITS
 Note: May be of special interest to science teachers.
 Designed for all those interested in learning more about the nature of science. Will provide a sense of perspective about natural science through an integrated overview of the physical and biological sciences and an examination of some important applications of scientific knowledge and theory.
- SCI 600 STEWARDSHIP IN FIELD ECOLOGY AND NATURAL HISTORY FOR ELEMENTARY AND MIDDLE SCHOOL TEACHERS 3 CREDITS
 Intensive summer outdoors workshop designed for in-service teachers; places major emphasis on hands-on experiences in a variety of outdoor settings. The major emphasis will be on basic ecological and aesthetic parameters of selected environments (e.g., woodlands, ponds and streams, and coastal wetlands).

University Administration

Officers of the University

David G. Carter, Sr., President

Michael Pernal, Executive Vice President

Dimitrios S. Pachis, Vice President for Academic Affairs

Dennis A. Hannon, Vice President for Finance and Administration

Laura A. Tordenti, Vice President for Student Affairs

Barbara R. Eshoo, Vice President for Institutional Advancement

Constance Belton Green, Executive Assistant to the President/Director of Equity and Diversity

David P. Trainor, Associate Vice President for Human Resources

John M. Sweeney, Associate Vice President for Finance and Administration

George Kahkedjian, Chief Information Officer

Beverley J. Anderson, Dean, School of Arts and Sciences

Patricia A. Kleine, Dean, School of Education and Professional Studies

John M. Zulick, Interim Dean, School of Continuing Education

General Administration

Lourdes Ardel, Manager of Compensation and Training

R. Dwight Bachman, Public Relations Officer

Floyd E. Bagwell, Jr., Director of The Learning Center

Kenneth M. Bedini, Director of Student Center/Activities

Amy L. Coffey, Associate Dean, School of Arts and Sciences

Kimberly M. Crone, Director of Admissions and Enrollment Management

Grace F. Enggas, Director of Housing and Residential Life

Kathleen B. Fabian, Registrar

Kimberly Freeland, Associate Dean, School of Education and Professional Studies

Tina C. Fu, Director of Library Services

Susan L. Heyward, Director of the Academic Advisement Center

Martin A. Levin, Director of the Center for Educational Excellence

Mark N. Levine, Director of University Relations

James N. LoMonaco, Director of Auxiliary Enterprises and Institutional Services

Edith M. Longhenry, Coordinator of Non-credit Programs and Professional Development

Nicholas Messina, Director of Media Services

Lewis J. Perry, Jr., Director of Public Safety and Chief of Police

Lana Pontbriant, Associate Director of Alumni Affairs

Lester Primus, Controller

Joel Rinebold, Executive Director of the Institute for Sustainable Energy

Nancy Seaman, Assistant Dean, School of Arts and Sciences

Richard A. Savage, Director of Financial Aid and Veterans Affairs

Nancy L. Tarkmeel, Assistant Dean of the School of Continuing Education

Nancy Tinker, Director of Facilities Management and Planning

Carol J. Williams, Associate Dean, School of Continuing Education

Joyce S. Wong, Director of Athletics

Walter Zincavage, Director of Computer and Information Systems

Faculty and Professional Staff Directory

David G. Carter, Sr., President of the University. BS, Central State University (Ohio); MEd,

Miami University (Ohio); PhD, The Ohio State University

Carol Abatelli, Associate Librarian. BFA, School of Visual Arts; MLS, Long Island University; MA, Manhattanville College

Michael Adams, Professor of Biology. BA, Dip Ed, University College of North Wales; MS, University of Saskatchewan; PhD, Duke University

Anthony Aidoo, Assistant Professor of Mathematics. Teacher's Diploma, University of Cape Coast; BSc, University of Science and Technology; PhD, University of Connecticut

Tarome Alford, Associate Director of Housing. BA, BS, University of Wisconsin Oshkosh; MA, Southern Illinois University

Beverley J. Anderson, Dean, School of Arts and Sciences. BA, Wayne State University; MA, PhD, Boston College

Lourdes Ardel, Manager of Compensation and Training. BA, Hofstra University

Imna Arroyo-Winner, Professor of Art. BFA, Pratt Institute; MFA, Yale University

Derrick Asberry, Resident Hall Director. BS, Drake University

Shirley Audet, Payroll and Position Control Coordinator. BS, Eastern Connecticut State University

Donald R. Avery, Professor of Communication. BSJ, University of Florida; MA, Southern Illinois University; PhD, Southern Illinois University

Dave Bachand, Telecommunication Support. ASEE, Thames Valley State Technical College; BSCS, Charter Oak State College

Peter Bachiochi, Assistant Professor of Psychology. BS, Boston College; MS, University of Connecticut; PhD, University of Connecticut

R. Dwight Bachman, Public Relations Officer. BA, University of Northern Iowa; MA, Cornell University

Michèle Bacholle, Assistant Professor of French. BA, Université de Caen, France; MA, University of Massachusetts, Amherst; PhD, University of Connecticut

Floyd E. Bagwe II, Jr., Director of The Learning Center. BA, Norfolk State University; MEd, University of Hartford

Sherry Bassi, AOD Support Services Coordinator. RN, Philadelphia General Hospital of Nursing; BS, University of Connecticut; MS, University of Connecticut

John Bazin, Resident Area Coordinator. BA, Assumption College; MEd, Springfield College

Kenneth M. Bedini, Director of Student Center/Activities. BA, Eastern Connecticut State University; MA, University of Connecticut

Michael A. Berlin, Media Engineer, Library Services. AA, Kingsborough College; BA, Brooklyn College; MS, Eastern Connecticut State University; Certified Broadcast Engineer

Agustin S. Bernal, Assistant Professor of Spanish. MA, University of Madrid; MA, PhD, Syracuse University

Denise L. Bierly, Head Women's Basketball Coach. BS, The Defiance College (Ohio); MEd, Bowling Green State University (Ohio)

June Bisantz-Evans, Associate Professor of Art. BA, University of Connecticut; MFA, Claremont Graduate School

Jeanelle Bland, Assistant Professor of Education. BS, University of Alabama; MA, University of Monterallo; PhD, University of Alabama

Lula Mae Blocton, Professor of Art. BFA, University of Michigan; MFA, Indiana University

Sue Boney-McCoy, Associate Professor of Psychology. BA, Bryn Mawr College; MS, Iowa State University; PhD, Iowa State University

Charles E. Booth, Professor of Biology. BA, College of Wooster; MA, College of William and Mary; PhD, University of Calgary

Ellen Faith Brodie, Associate Professor of Theatre. BA, Brooklyn College; MA, MFA, University of Connecticut

Neville R. Brown, Assistant to the Director, Financial Aid, Veterans Affairs. BSc, Accounting; MBA, University of New Haven

Sharon Butler, Assistant Professor of Visual Arts. BA, Tufts University; BFA, Massachusetts College of Art; MFA, University of Connecticut

Sonja M. Cabezas, Assistant Director of Fiscal Affairs. BS, Central Connecticut State University; MSOM, Central Connecticut State University.

Marion M. Callis, Coordinator of Julian Akus Gallery and Museum Services. BA, MA, Florida State University–Tallahassee

Dennis Canterbury, Assistant Professor of Sociology. BSSc, University of Guyana; MSc, University of the West Indies –Mona Campus; MA, Saint Mary’s University; PhD, State University of New York–Binghamton

Catherine A. Carlson, Associate Professor of Environmental Earth Science. BA, Southern Illinois University; MS, New Mexico Institute of Mining and Technology; PhD, Michigan State University

Branko Cavarkapa, Professor of Marketing. BS, MBA, PhD, University of Sarajevo

Kin S. Chan, Assistant Professor of Spanish. BA, Princeton University; MA, PhD, University of Pennsylvania

Charles Chatterton, Assistant Professor Health & Physical Education. BS, MS, University of Delaware; PhD, University of Connecticut

Mildred Ellen Chayer, Program Assistant, School of Continuing Education. BS, MS, Eastern Connecticut State University

Edmond Chibeau, Assistant Professor of Communication. BS, Long Island University; MA, University of Pennsylvania; PhD, Northwestern University

Erica Childs, Assistant Professor of Sociology. BA, San Jose State University; MA, PhD, Fordham University

Carmen R. Cid, Professor of Biology. BA, New York University; MS, Ohio State University; PhD, Michigan State University

Sonia Cintron-Marrero, Associate Professor of Spanish. BA, City College of New York; MA, PhD, University of Connecticut

Sherman M. Clebnik, Professor of Environmental Earth Sciences. BA, University of Massachusetts; MA, Indiana University; PhD, University of Massachusetts

Meredith Clermont-Ferrand, Assistant Professor of English. BA, State University of New York; MA, Northeastern University; PhD, University of Massachusetts

Maryanne T. Clifford, Assistant Professor of Economics. AB, Smith College; MS, PhD, University of Kentucky

Stacey K. Close, Associate Professor of History. BA, Albany State College; MA, PhD, The Ohio State University

James R. Cobble Dick, Professor of Political Science. BA, Wesleyan University; MA, MALD, PhD, Fletcher School of Law and Diplomacy

Amy L. Coffey, Associate Dean, School of Arts and Sciences. BA, University of Connecticut; MS, St. John’s University

Gloria J. Colurso, Professor of Biology. BS, MS, PhD, Pennsylvania State University

Hope Cook, Assistant Librarian. AS, Bryant & Stratton Business Institute; BS, MEd, University of Nevada–Las Vegas; MLIS, Wayne State University

Edwin A. Coolbaugh, Area Coordinator. BS, MS, Keene State College

Luis A. Cordon, Associate Professor of Psychology. BS, Louisiana State University; MA, PhD, University of Notre Dame

Anthony Cornicello, Assistant Professor of Performing Arts. BMus, Florida State University; MA, Rutgers, The State University of New Jersey; PhD, Brandeis University

Howard Coughlin, Associate Professor of English. BA, University of Massachusetts; MA, Trinity College; PhD, University of Connecticut

Elizabeth A. Cowles, Assistant Professor of Biology. BS, Cornell University; PhD, Michigan State University

Alese Cretella, Resident Hall Director. BA, Southern Connecticut State University

Kimberly M. Crone, Director of Admissions and Enrollment Management. BA, Bloomsburg University of Pennsylvania; MEd, Lehigh University

Angela Cunningham, Resident Area Coordinator. BA, Waynesburg College, MA, Indiana University of Pennsylvania

Darren Dale, Assistant Professor Health & Physical Education. BEd, University of Canterbury, New Zealand; MS, PhD, Arizona State University

Jeffrey S. Danforth, Associate Professor of Psychology. BA, Marietta College; MA, Western Michigan University; PhD, West Virginia University

Barry L. Davis, Head Men's Basketball Coach. BS, St. Lawrence University; MEd, St. Lawrence University

Marsha J. Davis, Professor of Mathematics. BS, Marietta College; MS, PhD, University of Connecticut

Anne E. Dawson, Associate Professor of Art History. BA, Providence College; MA, Brown University; PhD Brown University

Doris Decyk, Assistant in Human Resources

John Degan, Assistant Librarian, BS, Assumption College; MLIS, University of Wisconsin – Madison

Susan DeRosa, Assistant Professor of English. BA, Hofstra University; MA, PhD, University of Rhode Island

Walter Diaz, Associate Director of Career and Experiential Education Services. BS, Central Connecticut State University; MA, University of Connecticut

Kenneth Dobush, Assistant Professor of Education. BFA, Fordham University; MS, College of Saint Rose; PhD, University of Albany

Eldon Downing, Professor of Music. BM, MM, DMA, Boston University

Peter Drzewiecki, Assistant Professor of Environmental Earth Science. BS, University of Notre Dame; MS, PhD, University of Wisconsin–Madison

Kimberly B. Dugan, Assistant Professor of Sociology. BA, MA, Kent State University; PhD, The Ohio State University

Steve Dupont, Hardware/Network Support Specialist. BS, Eastern Nazarene College

Raafat Elfouly, Assistant Professor of Computer Science. BS, MS, Cairo University; PhD, University of Connecticut

Phillip F. Elliott, Professor of Biology. BS, Harding College; MS, PhD, Kansas State University

Grace F. Enggas, Director of Housing and Residential Life. BA, University of Connecticut; MA, Ohio State University

Shirley B. Ernst, Professor of Education. BA, Bradley University; MA, PhD, Washington State University

Craig Erwin, Assistant Professor of Strategic Management. BS, MBA University of Minnesota; PhD, University of Arizona

Ingrid T. Eschholz, Assistant Registrar. AGS, Manchester Community College; BGS, MS, Eastern Connecticut State University

Nicholas Eshelman, Associate Librarian. BA, Westchester University; MLS, Rutgers University

Barbara R. Eshoo, Vice President for Institutional Advancement, BA, New England College

Wendi J. Everton, Assistant Professor of Psychology. BA, Salem State College; MA, PhD, Ohio University

Kathleen B. Fabian, Registrar. BS, Eastern Connecticut State University; MEd, Antioch University

Lura Fellows-Butt, Assistant Director of Admissions and Enrollment Management. BA, MS, Eastern Connecticut State University

R. Max Ferguson, Professor of Chemistry. BS, Clarion State College; MS, Temple University; MS, University of Connecticut

Hope K. Fitz, Professor of Philosophy. BA, California State University; MA, PhD, Claremont Graduate School

Deirdre Beebe Fitzgerald, Assistant Professor of Psychology. BA, San Jose University; MA, PhD, University of Nevada

Bonnie Fox, Assistant Director, Student Center Activities. BA, Western Washington University

Stephen L. Frazier, Assistant Director of Academic Computing. BA, Central Methodist College; MS, Northwest Missouri State University

Rhona Free, Professor of Economics. BA, Sarah Lawrence College; MA, PhD, University of Notre Dame

Kim Freeland, Associate Dean, School of Education and Professional Studies. BS, Angelo State University; MEd, University of Texas, El Paso; PhD, Texas Woman's University

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