Suffolk University Academic Catalog, College Departments, 1988-1990

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ERRATA SHEET

These are the correct fees for 1989-1990 (supercedes the information in this bulletin on pages xviii and xix).

Revised Tuition and Fee Schedule Effective Fall 1989

Tuition - 1989-1990

Tuition charges are based on (1) the number of courses carried and on (2) whether the student is in the undergraduate or graduate program.

Full-Time Course Load

Full-time students carry 12 to 17 credit hours per term, day or evening, with the 16th and 17th credits allowed as labs only.

<table>
<thead>
<tr>
<th>Program</th>
<th>Semester</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$3650</td>
<td>$7300</td>
</tr>
<tr>
<td>MBA</td>
<td>$4980</td>
<td>$9960</td>
</tr>
<tr>
<td>MPA</td>
<td>$4779</td>
<td>$9558</td>
</tr>
<tr>
<td>MED</td>
<td>$4083</td>
<td>$8166</td>
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</table>

Excess Courses

<table>
<thead>
<tr>
<th>Program</th>
<th>Semester Hour</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$243 per semester hour</td>
<td></td>
</tr>
<tr>
<td>MBA</td>
<td>$332 per semester hour</td>
<td></td>
</tr>
<tr>
<td>MPA</td>
<td>$319 per semester hour</td>
<td></td>
</tr>
<tr>
<td>MED</td>
<td>$272 per semester hour</td>
<td></td>
</tr>
</tbody>
</table>

Part-Time Course Load

Part-time students carry 1 to 3 courses per term, 11 semester hour maximum.

<table>
<thead>
<tr>
<th>Program</th>
<th>Semester Hour</th>
<th>3 Credit Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>$207</td>
<td>$621</td>
</tr>
<tr>
<td>MBA</td>
<td>$332</td>
<td>$956</td>
</tr>
<tr>
<td>MPA</td>
<td>$319</td>
<td>$957</td>
</tr>
<tr>
<td>MED</td>
<td>$272</td>
<td>$816</td>
</tr>
</tbody>
</table>

Executive MBA .........$1246 per three credit course
Executive MPA .........$1127 per three credit course
APC....................$996 per three credit course

Fees

Student Activity Fee (per semester):
<table>
<thead>
<tr>
<th>Program</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate Full-Time</td>
<td>$28</td>
</tr>
<tr>
<td>Undergraduate Part-Time</td>
<td>$10</td>
</tr>
<tr>
<td>MBA</td>
<td>$10</td>
</tr>
<tr>
<td>MPA</td>
<td>$5</td>
</tr>
<tr>
<td>MED</td>
<td>$5</td>
</tr>
</tbody>
</table>
Suffolk University admits qualified men and women of any age, sex, race, color, religious belief, or national or ethnic origin to all the rights, privileges, programs and activities generally available to students of the University. The University does not discriminate because of age, race, color, sex, sexual preference, religious belief, political views, national or ethnic origin, marital or parental status, or veteran's status in the administration of its admissions policies, educational policies, scholarship and loan programs, athletic programs, or any of the academic or non-academic programs administered by any division of the University. Suffolk University does not discriminate on the basis of sex in violation of Title IX of the Education Amendments of 1973, or any of the regulations specified in these Amendments, in the academic or non-academic programs which it offers. The University does not discriminate on the basis of handicap in violation of Section 504 of the Rehabilitation Act of 1973, or the regulations it specifies, in admission or access to its programs and activities. Inquiries concerning Title IX and other federal and state non-discrimination legislation may be referred to the Personnel and Equal Employment Opportunity Officer, 8 Ashburton Place, 7th floor. Inquiries regarding Section 504 of the Rehabilitation Act may be directed to the Dean of Students who is the University Coordinator.

Any student in an educational or vocational training institution, other than a religious or denominational educational or vocational training institution, who is unable, because of his religious beliefs, to attend classes or to participate in any examination, study, or work requirement on a particular day shall be excused from any such examination or study or work requirement, and shall be provided with an opportunity to make up such examination, study or work requirement which he may have missed because of such absence on any particular day; provided, however, that such makeup examination or work shall not create an unreasonable burden upon such school. No fees of any kind shall be charged by the institution for making available to the said student such opportunity. No adverse or prejudicial effects shall result to any student because of his availing himself of the provisions of this section.

Rights and Privacy (Buckley Amendment)

In keeping with provisions of the Family Educational Rights and Privacy Act of 1974 (P.L. 93-380) as amended (P.L. 93-568), also known as the Buckley Amendment, Suffolk University will provide eligible students or their parents with the opportunity to review the student's education records, to seek corrections of information contained in those records, and to limit disclosure of information from those records. The University is required to give students or their parents annual written notice of these rights and the right to file complaints with HEW concerning alleged failures by the institution to comply with the requirements of the Act. A written policy governing institutional record keeping is on file at the Registrar's Office.

The provisions on privacy are affected by Section 510 of the Veterans Education and Employment Act of 1976 (P.L. 94-52) which provides that notwithstanding P.L. 93-568, records and accounts pertaining to veterans as well as those of other students shall be available for examination by government representatives. The exception is found in title 38 of the U.S. Code, Section 1790(c).
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Enrollment: Fall 1987

<table>
<thead>
<tr>
<th>College of Liberal Arts and Sciences</th>
<th>Full-Time</th>
<th>Part-Time</th>
<th>Total</th>
<th>FTE</th>
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</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>1,023</td>
<td>415</td>
<td>1,438</td>
<td>1,178</td>
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<tr>
<td>Graduate</td>
<td>8</td>
<td>74</td>
<td>82</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>1,031</td>
<td>489</td>
<td>1,520</td>
<td>1,213</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>School of Management</th>
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<tbody>
<tr>
<td>Undergraduate</td>
<td>958</td>
<td>479</td>
<td>1,437</td>
<td>1,138</td>
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<tr>
<td>MBA</td>
<td>46</td>
<td>556</td>
<td>602</td>
<td>213</td>
</tr>
<tr>
<td>MPA</td>
<td>20</td>
<td>123</td>
<td>143</td>
<td>64</td>
</tr>
<tr>
<td>Executive MBA</td>
<td>0</td>
<td>84</td>
<td>84</td>
<td>27</td>
</tr>
<tr>
<td>Executive MPA</td>
<td>0</td>
<td>8</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>Certificate Prog.</td>
<td>0</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>1,024</td>
<td>1,252</td>
<td>2,276</td>
<td>1,445</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Law School</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>911</td>
<td>776</td>
<td>1,687</td>
<td>1,423</td>
</tr>
<tr>
<td>Grand Totals</td>
<td>2,966</td>
<td>2,517</td>
<td>5,483</td>
<td>4,082</td>
</tr>
</tbody>
</table>

Retention
National studies indicate that of entering freshmen, the median percent graduated in four years varies from 35% to 40%. At Suffolk University, 38% of entering freshmen are graduated in four years, and 49% in six years.

Degrees
College of Liberal Arts and Sciences
in G.S. Graduate: M.Ed., M.S., Certificate of Advanced Graduate Study
School of Law
Day and Evening Division: J.D., M.P.A./J.D.
School of Management
Undergraduate: B.S.B.A.
Graduate: M.B.A. and M.P.A.
Postgraduate: Advanced Professional Certificate

College of Liberal Arts and Sciences

Academic Departments
Biology
Chemistry
Communications & Journalism
Economics
Education & Human Services
English
Government
History
Humanities & Modern Languages
Mathematics/Computer Science
Military Science
Philosophy
Physical Education
Physics and Engineering
Psychological Services
Psychology
Sociology
Location
Beacon Hill, Boston, adjacent to the Massachusetts State House and near the "New Boston" Government Center, public parking and transportation. Cobscook Bay, Edmunds, Maine, site of the Robert S. Friedman Field Station.

Facilities

<table>
<thead>
<tr>
<th>Building Name</th>
<th>Address</th>
<th>Net Square Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gleason and Hiram</td>
<td>20 Derne Street</td>
<td>54,000</td>
</tr>
<tr>
<td>Archer Building</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frank J. Donahue</td>
<td>41 Temple Street</td>
<td>56,000</td>
</tr>
<tr>
<td>Temple Street Building</td>
<td>56 Temple Street</td>
<td>3,600</td>
</tr>
<tr>
<td>19 Ridgeway Lane Building</td>
<td>148 Cambridge St.</td>
<td>8,600</td>
</tr>
<tr>
<td>John E. Fenton</td>
<td>32 Derne Street</td>
<td>1,900</td>
</tr>
<tr>
<td>Frank Sawyer Building</td>
<td>8 Ashburton Place</td>
<td>85,000</td>
</tr>
<tr>
<td>R.S. Friedman Field Station at Cobscook Bay</td>
<td>Edmunds, Maine</td>
<td></td>
</tr>
</tbody>
</table>

Libraries

<table>
<thead>
<tr>
<th>Library</th>
<th>Volumes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law Library</td>
<td>172,000</td>
</tr>
<tr>
<td>Library of the Colleges</td>
<td>98,000</td>
</tr>
<tr>
<td>Museum of Afro-American History</td>
<td>2,500</td>
</tr>
<tr>
<td>Periodicals Subscriptions</td>
<td>2,100</td>
</tr>
<tr>
<td>Microforms Units</td>
<td>616,000</td>
</tr>
<tr>
<td>Fenway Consortium</td>
<td>660,000</td>
</tr>
</tbody>
</table>

Faculty

<table>
<thead>
<tr>
<th>College of Liberal Arts and Sciences</th>
<th>Full-Time</th>
<th>Part-Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Liberal Arts and Sciences</td>
<td>108</td>
<td>105</td>
</tr>
<tr>
<td>School of Management</td>
<td>56</td>
<td>25</td>
</tr>
<tr>
<td>Law School</td>
<td>61</td>
<td>36</td>
</tr>
</tbody>
</table>

Finances

| Endowment                          | 11,500,000 |
| Plant Assets                       | 37,800,000 |
| Operating Budget                   | 33,870,000 |

Tuition

| College of Liberal Arts and Sciences | Undergraduate | 6,800 |
|                                      | Graduate Education | 7,560 |
| School of Management                | Undergraduate | 6,800 |
|                                      | MPA           | 8,850 |
|                                      | MBA           | 9,300 |
| Executive MBA                       | 930 per 3 semester hour |
| Executive MPA                       | 885 per 3 semester hour |
| Law School                          | Day           | 9,200 |
|                                      | Evening       | 6,900 |

Financial Aid

| Federal                             | 1,642,225 |
| State                               | 1,642,284 |
| University                          | 1,554,527 |
| Other                               | 430,048   |
| Guaranteed Student Loans            | 8,740,272 |

Over 3,200 students receive some form of financial assistance — loans, work-study, or scholarships. Priority is given to needy students who file on time.

Athletics


Intercollegiate competition for women in Basketball, Cross-Country, Tennis, and Softball.

Intramural competition in Basketball, Flag Football and Softball

Club Sports: Cheerleading. Programs are also offered in aerobics.

3 time winner of the Little Four Intercollegiate Golf Tournament.


1986 Ben Martin Invitational Ice Hockey Champions.
Suffolk University

History
Suffolk University is a vital and dynamic university with 6,300 students of all ages enrolled full and part time in its College of Liberal Arts and Sciences, its School of Management and its Law School. The University is located on Beacon Hill in the heart of Boston and is accessible from all parts of the metropolitan area.

Founded as a law school, the institution developed by adding a College of Liberal Arts and Sciences in 1934 and a School of Management (then College of Business Administration) in 1937. On April 29, 1937, the Law School and two Colleges were chartered as Suffolk University by the Massachusetts General Court.

The Law School awards the juris doctor degree to its graduates and is accredited by the American Bar Association and the Association of American Law Schools. The College of Liberal Arts and Sciences awards the bachelor of arts and bachelor of science degrees in fifteen academic departments and the master's degree in education. A certificate of advanced graduate study program is offered to persons with Masters' Degrees in the counseling field. The School of Management conducts under-graduate and graduate programs in both business and public administration, as well as Saturday programs for executives leading to masters degrees in business administration or public administration. An advanced certificate program is offered to holders of the master of business administration degree, and a joint master of public administration and juris doctor degree is offered by the Law School and the School of Management.

Since 1906 when Gleason L. Archer established a law school for working adults, Suffolk University has graduated over 27,000 students who have taken their places in the professional world. Among the alumni/ae are some of New England's outstanding jurists, attorneys, businessmen and women, teachers, writers and scientists.

In the summer of 1981 the University opened the new twelve-story Frank Sawyer Building at Eight Ashburton Place. The University's other facilities, near the State House, include the Archer Building (1921), the Frank J. Donahue Building (1966) and the John E. Fenton Building (1972). In addition to small buildings used for faculty offices and student activities, the University operates the Friedman scientific field station at Cobscook Bay in Maine.

During its 77 years, Suffolk has grown in size and in the scope and quality of its academic programs. As it develops new programs to meet emerging needs, Suffolk University remains guided by Gleason Archer's strong commitment to the community and to its people.

University Mission
Suffolk University is an independent, coeducational institution located on Beacon Hill, in the heart of Boston, close to the centers of government and law, science and medicine, education and technology, commerce and culture. Under the policies established by its Board of Trustees, the University provides educational opportunities of high quality in order to assist a wide range of students to realize greater social, economic and professional opportunities.
Since its inception, **Suffolk University's fundamental mission has been to respond to the evolving needs of society by providing an opportunity for motivated and capable students to obtain a quality education in a challenging yet supportive environment, at an affordable cost.** This mission also includes a commitment to public service, research and continuing education. In achieving its mission, the University places students at the center of its efforts and value structure, and emphasizes academic excellence through teaching based on the application of theory and research to practice. The University offers day and evening programs at both the graduate and undergraduate levels throughout the year.

The Law School, which confers the JD degree, provides instruction of the highest quality in legal theory, process and practice, taking advantage of the urban setting to educate students from the northeastern United States and from across the nation.

The purpose of the College of Liberal Arts and Sciences is to provide a traditional liberal arts education with a professional component, one which is comprehensive and thorough, which prepares students to live enlightened and productive lives and to earn a living. The College offers liberal arts programs in the humanities, the natural and social sciences, including undergraduate career-related and professional tracks in each major, as well as graduate programs in education.

The School of Management offers programs in management and public administration for the public, non-profit, and private sectors that develop ability in problem solving and decision making in an organized setting.

As a private, urban university accessible to people of varied ages and of all religious, ethnic, and socio-economic backgrounds, Suffolk University serves a metropolitan and, to a growing extent, regional and national clientele. The University provides academic services for people of various levels of preparation and ability, and programs of sufficient depth and academic quality as to challenge the most able.

**University Goals** In order to respond to the above Mission, Suffolk University has formulated the following specific Goals toward which are directed the efforts of all divisions of the University. Additional statements of Goals appropriate to the various Colleges of the University are published in their respective Bulletins.

- Provide educated men and women for professions such as business, industry, government, law, education, journalism, social work, science, and technology.
- Meet local needs by providing continuing education programs for adults, by serving as a cultural center for the community, by providing trained manpower for employers, and by facilitating student involvement in community service activities.
- Improve the University's ability to serve economically disadvantaged students by improving services in admissions, financial aid, advising, counseling, career planning, and placement.
- Provide the necessary financial and physical resources for program support through improved development and fund-raising.
- Contribute to the solution of some of the social, economic, and political problems facing greater Boston and the Commonwealth of Massachusetts.

**Accreditations** Suffolk University is accredited by the New England Association of Schools and Colleges, Inc., the American Chemical Society, the American Bar Association, and the Association of American Law Schools. Specified programs in Education have been approved by the State Department of Education for inclusion in the reciprocity privileges of the Interstate Certification Compact. The University Counseling Center is accredited by the International Association of Counseling Centers.
Memberships and Affiliations
The following goals statements reflect current objectives of the College of Liberal Arts and Sciences.

- To graduate students adequately prepared to lead productive and rewarding lives.
- To provide the means both for personal growth of students and for the training necessary to enter a business, pursue a profession, or otherwise fill a responsible role in society.
- To provide a learning environment conducive to independent thought and free expression of ideas, where students, faculty, and administrators can work together in mutual trust and respect.
- To ensure that the content of academic programs reflects an awareness of student needs.
- To see students as whole persons; to develop character and values as well as competence and skills; to foster a sense of community in the student body.
- To encourage upward mobility of disadvantaged students.
- To provide undergraduate and professional education that liberates the spirit and challenges the intellect.
- To develop educational programs geared to new and emerging career fields.
- To use the resources of Boston and of Washington County, Maine, as campus extensions, and to develop new cooperative relationships with other academic and cultural institutions, recreational centers, commercial enterprises, and governmental agencies in these areas.
- To graduate individuals who have significantly improved their aesthetic, intellectual, and moral capacities, and their sense of self-worth, self-confidence, and civic responsibility.
Students may apply for admission to Suffolk University for the Fall, Spring, or Summer sessions and may attend full or part-time.

**Freshmen** The Admissions Committee judges freshmen applicants based on their success in a college preparatory program. Consideration is given to the academic value of the high school subjects, class rank, recommendation of the high school counselor, the College Board scores, and other pertinent information. It is recommended that all candidates complete the following: 4 units of English, 3 units of Mathematics (Algebra I, Algebra II, Geometry), 2 units of Science (at least 1 unit of Lab Science), 2 units of Language, 1 unit of American History, and 4 units distributed among other college preparatory electives.

Suffolk University notifies applicants of the Admissions Committee’s decision soon after the application file is complete. Early decisions are given where there is evidence of three years of highly successful college preparatory study and above-average SAT’s (Junior scores).

**Transfers** Transfer applicants for CLAS are accepted based on successful work at regionally accredited two-year colleges, four-year colleges, or other institutions of collegiate rank. The last thirty hours in any bachelor’s degree program must normally be earned at Suffolk.

Credit shall be allowed for “D” grades if a transfer student attended a regionally accredited institution and if the overall average is 2.0 or better. If the transfer student has attended more than one institution, this policy shall be valid for each respective accredited institution, rather than collectively.

For transfer students in the College of Liberal Arts and Sciences, generally courses are transferable for those courses taken at regionally accredited two-year and four-year colleges with appropriate grades providing that such courses are equivalent to those offered at Suffolk University.

Admissions counselors are available to discuss transfer credit, academic requirements, and problems encountered in the process of transfer. After the student’s transfer status has been clarified, however, the student must confer with a faculty advisor from his or her major department for subsequent academic advice.

**Graduate Students** Refer to Graduate Section of Bulletin for admission information.

**Advanced Placement** College credit may be awarded for College Board Advanced Placement Tests taken in high school. Six semester hours are awarded for each test successfully completed.

**College Level Examination Placement Tests (CLEP)** A maximum of 60 semester hours of credit may be awarded for the successful results of the CLEP tests. A maximum of thirty semester hours may be awarded for the five tests in the General Examination. The other thirty hours may be awarded for subject tests. The CLEP test is administered by the College Board. The testing program enables mature and talented individuals who have acquired their education in non-traditional ways (such as TV courses, on-the-job training, and work experience) to demonstrate their achievement and to receive college credit. In order to ensure that the test scores are received in time for graduation, students must take the tests prior to the last semester of their senior year.
Students may also take a CLEP test in lieu of repeating a failed course. Applicants should have their scores sent to the Director of Admissions. Students presently attending Suffolk University should have their CLEP scores sent to the Director of Admissions.

**Communication Process** Selected freshman students will be required to take Writing Skills, Eng. 001 and Communication Process, Eng. 002. These courses have been developed in an effort to help students improve their study and verbal skills so that they will more effectively realize their academic potentials. Students who wish to select these courses may do so with the consent of the instructor.

**Evening Degree Students** Applicants for degree status in the Evening Division must meet the same requirements as day students. An Equivalency Certificate issued by any State Department of Education may be used in lieu of a high school diploma.

**Senior Citizens** Senior citizens (65 or over) may take tuition-free undergraduate courses at Suffolk on a space-available basis. Applicants should consult the Admissions Office for enrollment procedures. A $20.00 application fee is charged.

**Continuing and Professional Studies Program** The Continuing and Professional Studies Program (CAPS) is a non-degree program through which students may earn up to 30 credit hours. The CAPS Program offers a wide range of courses from the regular course schedule of undergraduate and graduate courses. MBA courses are not offered as part of the CAPS program.

Students who enter the University via the CAPS program and wish to become degree candidates should complete the regular admissions application and be accepted in order to be classified as matriculating degree status students. Qualified undergraduate CAPS students who wish to apply for degree matriculating status may do so at any time before 30 hours of course work are completed. Qualified graduate CAPS students (MPA and M.Ed) may apply for admission at any time prior to the completion of 6 credit hours. All undergraduate CAPS students, except senior citizens, must apply for degree matriculating status when 30 hours of course work are successfully completed.

**International Students** A special information pamphlet is available for international students. For the Fall Semester (September) Application, all required credentials must be received by Suffolk not later than June 15. International students applying for the Spring Semester (January) must apply and send all required credentials by November 15.

This University is authorized under Federal law to enroll nonimmigrant alien students. Students may be required to take Eng. 003, English as a Second Language, prior to taking Eng. 101 or 102, if a language deficiency exists as determined through testing by the English Department or the Test of English as a Foreign Language (TOEFL).

**Re-Admission to Suffolk** Students re-entering Suffolk after an absence of one semester or more should request a special reentry form from the Admissions Office.

**Notification of Acceptance** Applicants are notified of the Admissions Committee’s decision as soon as all required credentials are received.

**Housing** Most Suffolk students live with their families or in their own apartments throughout the Boston area and commute to classes. Although the university doesn’t maintain student dormitories, the Office of Student Activities maintains an off-campus listing containing private dormitories, rooms and apartments that can be leased by students. If you need help finding housing, you should first contact the Admissions Office to discuss your options.

**Applications for Undergraduate Admission** Applications for admission may be obtained by writing to the Admissions Office, 8 Ashburton Place, Boston, Massachusetts 02108. The Admissions Office is open Monday through Friday, 8:45 a.m. to 4:45 p.m. Telephone: (617) 573-8460.
Tuition

Tuition charges are based on (1) the number of courses carried and on (2) whether the student is in the undergraduate or graduate program.

Full-Time

Full-time students carry 12 to 17 credit hours per term, day or evening, with the 16th and 17th credits allowed as labs only.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Undergraduate</th>
<th>$3400</th>
<th>$6800</th>
</tr>
</thead>
<tbody>
<tr>
<td>School</td>
<td>Graduate MBA</td>
<td>$4650</td>
<td>$9300</td>
</tr>
<tr>
<td></td>
<td>Graduate MPA</td>
<td>$4425</td>
<td>$8850</td>
</tr>
<tr>
<td></td>
<td>Graduate MED</td>
<td>$3780</td>
<td>$7560</td>
</tr>
</tbody>
</table>

Excess Courses

| Undergraduate | $227 per semester hour |
| Graduate MBA  | $310 per semester hour |
| Graduate MPA  | $295 per semester hour |
| Graduate MED  | $252 per semester hour |

Part-Time

Part-time students carry 1 to 3 courses per term, 11 semester hours maximum.

<table>
<thead>
<tr>
<th>Semester Hours</th>
<th>Undergraduate</th>
<th>$192</th>
<th>$576</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Graduate MBA</td>
<td>$310</td>
<td>$930</td>
</tr>
<tr>
<td></td>
<td>Graduate MPA</td>
<td>$295</td>
<td>$885</td>
</tr>
<tr>
<td></td>
<td>Graduate MED</td>
<td>$252</td>
<td>$756</td>
</tr>
</tbody>
</table>

Executive MBA ... $1160 per three credit course

Executive MPA ... $1035 per three credit course

Payment Terms

Fall 1988

Pre-registration for the Fall Semester occurs during the Spring and the Student Accounts Office will generate a bill in July for the entire amount with a due date of the first Friday in August.

Spring 1989

Registration occurs in mid November thru mid December. Due to time constraints, a payment must accompany your registration.

The payment options are:

1.) Payment in Full for the semester.
2.) The Deferred Payment Plan requires that one half of the charges be paid with your registration and the balance will be due the first Friday in August for the Fall Semester and the first Friday in March for the Spring Semester. A bill will be generated and the $10 Deferred Payment Charge will be assessed.

There is a $10 Late Payment Charge for those students who do not pay their deferred payment by the due date.

Summer Session Tuition: The 1989 Summer Session rates will be charged according to the semester hour. See Part-Time Tuition Rates. No Student Activity Fee is charged for summer sessions.
Loans

Students who plan to borrow money from banks or elsewhere for their college costs are urged to submit their applications early enough to meet these payment due dates. Funds NOT received by these due dates will be assessed a $10 Deferred Payment Charge. FULL SEMESTER CHARGES WILL BE DEDUCTED FROM THE PROCEEDS OF ALL EDUCATIONAL LOANS. Guaranteed Student Loan applications must be on file in the Office of Financial Aid by June 30, 1988 for the Fall Semester, and November 30, 1988 for the Spring Semester. GSL applications presented at registration will not be accepted in lieu of payment. Therefore, you must be prepared to make a minimum payment of 50% of the tuition charges.

Please remember, when calculating the amount owed for the semester, educational loans are disbursed in two (2) installments, one for each semester. You will receive a Notice of Disbursement from the bank informing you of each check amount. If you do not pay the amount equating the difference between the tuition charges and the first semester’s check amount by the required due date(s) (to be announced), you will be liable for the Deferred Payment Fee.

Since the University will assume that you will be attending both semesters, any early advances of the second disbursement of educational loans will be credited to the second semester.

No refunds from the proceeds of student loans will be refunded prior to the first day of classes.

Fees

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Fee, course designate “L” or “F” in course number</td>
<td>$30</td>
</tr>
<tr>
<td>Late Registration (within first two weeks of classes)</td>
<td>25</td>
</tr>
<tr>
<td>Late Registration (after second week of classes)</td>
<td>50</td>
</tr>
<tr>
<td>Change of Course (after second week of classes)</td>
<td>10</td>
</tr>
</tbody>
</table>

Deferred Payment Fee (service charge for installment payments) 10
Late Payment Fee 10
SCUBA 232
Make-Up Examination (per examination) - must petition Dean of Students 10
Transcripts (first copy free, $1 per second copy, and $.50 for each additional copy made at the same time) 1
Petition for Readmission (students dropped for academic or other reasons) 15
Graduation Fee:
  June graduation 25
  February and September graduation 8
Student Activity Fee (per semester):
  Undergraduate Full Time est. 28
  Undergraduate Part Time 5
  MBA 10
  MPA 5
  MED 5
Computer Fees for S.O.M. Majors (per semester):
  Full Time Undergraduate 20
  Part Time Undergraduate 8
  Full Time Graduate 25
  Part Time Graduate 10
Returned Check Fee 20

Tuition Liability Students who are obligated to withdraw from the University or to drop courses before the end of the fourth week of a semester may, on approval of the Student Accounts Office, receive a reduction of tuition liability. Tuition liability will be based on the date on which the Withdrawal Form or Drop Form is received by the Office of The Registrar.

Withdrawal Notice or Drop Form filed and approved within:

<table>
<thead>
<tr>
<th>Time Period</th>
<th>Student is liable for:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior to classes</td>
<td>0%</td>
</tr>
<tr>
<td>Second week of classes</td>
<td>20%</td>
</tr>
<tr>
<td>Third week of classes</td>
<td>50%</td>
</tr>
<tr>
<td>Fourth week of classes</td>
<td>75%</td>
</tr>
<tr>
<td>After fourth week of classes</td>
<td>100%</td>
</tr>
</tbody>
</table>

Student Activity Fee (per semester):
Non-attendance does not constitute official withdrawal or dropping of a course. Tuition is not refunded after the fourth week of class. Reasonable collection costs, including attorney fees may be added to delinquent accounts. There is a $20 charge for checks returned by our bank. In addition, if the check is given at registration and returned by the bank, the late registration fee will also be assessed. For special short courses and institutes consult the Student Accounts Office on the refund policy.

All tuition charges are subject to change by action of the Board of Trustees. Any such change may be made applicable to students already enrolled in the University. Please note that some courses and special institutes have different tuition rates.

The University accepts the use of Master Card and Visa for the payment of tuition and fees in excess of $50.

**Student Accounts Office Hours**

For your convenience the Student Accounts Office hours during the first two weeks of classes will be 8:45 A.M. to 7:00 P.M. Otherwise, the office hours are:
- Monday thru Thursday 8:45 A.M. - 5:30 P.M.
- Friday 8:45 A.M. - 4:45 P.M.

**Office of Financial Aid**

**General Information** Throughout the history of Suffolk University, it has been policy to encourage and foster education for students of limited means. Commitment to this goal of keeping higher education affordable is apparent in the University’s policy of maintaining tuition costs substantially below those of other private institutions of higher learning in the Boston area. Even so, university study represents a significant financial burden for many families. Several financial aid programs have been established to help alleviate this burden.

The four main sources of financial aid are: the federal government, the state government, the university, and private sources. Federal programs include grants, low-interest loans, and a work-study program. The Commonwealth of Massachusetts awards grants to state residents who demonstrate financial need. In addition, the state government has established need-based loan and employment programs. The university and private agencies/organizations award scholarships and grants to needy students.

Financial awards are made to assist students in financing the cost of education when their personal and family resources are not sufficient. The difference between the total cost of education and the total possible family contribution is expressed as the financial need. In general, higher family incomes require greater expected contributions to university costs. Particular family circumstances and student summer and/or part-time earnings also have a bearing on financial need. As a member of The College Scholarship Service (CSS), Suffolk University adheres to the principle that the total amount of financial assistance shall not exceed the student’s demonstrated financial need.

Any undergraduate or graduate student enrolled in a degree program of at least six semester hours of credit may apply for financial aid consideration. Some awards are limited to students enrolled full-time. A student must also be in good academic standing, must be making satisfactory progress, and must be a citizen or national of the United States. All undergraduate aid applicants are expected to apply for PELL Grants and state scholarships.

Financial aid awards usually are granted for an academic year of study, September through May. One-half of the amount of aid granted will be credited to the student’s tuition account in the fall semester and one-half in the spring semester. Awards are usually offered as a “package,” i.e., some combination of the three kinds of aid (grants, loans, and employment).
Student Expense Budget For 1988-89

Dependent Full-Time Students

<table>
<thead>
<tr>
<th></th>
<th>Undergraduate</th>
<th>MBA</th>
<th>MPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$6800</td>
<td>$9300</td>
<td>$8850</td>
</tr>
<tr>
<td>Fees</td>
<td>50</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td>Room and Board</td>
<td>1500</td>
<td>1500</td>
<td>1500</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>400</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>2400</td>
<td>2400</td>
<td>2400</td>
</tr>
<tr>
<td>Transportation</td>
<td>700</td>
<td>700</td>
<td>700</td>
</tr>
<tr>
<td></td>
<td>$11,850</td>
<td>$14,320</td>
<td>$13,860</td>
</tr>
</tbody>
</table>

(These estimates are subject to change.)

Loans

Guaranteed Student Loan Program

The Guaranteed Student Loan Program (GSLP) enables students to borrow from commercial lenders in order to finance their educational expenses. While the majority of these loans are made by banks and other financial institutions, they are guaranteed by a state agency and insured by the federal government.

Academic year limits and total aggregate limits are established as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Annual Loan Limits</th>
<th>Aggregate Loan Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Two Years</td>
<td>$2625</td>
<td>$5250</td>
</tr>
<tr>
<td>Subsequent Years</td>
<td>$4000</td>
<td>$17,250</td>
</tr>
<tr>
<td>Graduate</td>
<td>$7500</td>
<td>$54,750</td>
</tr>
</tbody>
</table>

The aggregate amount for graduate students includes loans obtained at the undergraduate level.

Effective with the passage of the Higher Education Amendment Act of 1980, the interest rate ranges from 7 percent to 9 percent. Students whose loans carry an 8 or 9 percent interest rate will be granted a 6 month grace period; that is, loan repayment does not begin until 6 months after graduation, after withdrawal, or after attendance status becomes less than half-time.

Deferment of repayment of principal is allowed during any period in which the borrower is pursuing a full-time course of study and up to three years in which the borrower is a member on active duty in the Armed Forces of the United States or a volunteer under the Peace Corps Act. While the borrower is in school, in grace period, or in deferment status, the interest is paid by the federal government.

Prior to completion of the bank loan application, the student applicant must have a Suffolk University Loan application, income verification and financial aid transcript(s) from previous institutions on file.

Parent Loans for Undergraduate Students (PLUS) This federal loan program was established on January 1, 1981 for parents of undergraduate dependent students. The maximum amount a parent may borrow for any one student in any academic year is $4000. The aggregate loan amount for each student is $20,000. Repayment is required to begin within 60 days after disbursement, and there is no in-school federal interest subsidy on these loans. The interest rate is variable.

Application forms can be obtained at any bank or financial institution that participates in this program. General application procedures are the same as those outlined under the Guaranteed Student Loan Program.

Supplemental Loans for Students (SLS) Similar to the PLUS program, this loan program enables independent undergraduate and graduate students to borrow up to $4000 per year, in addition to GSL borrowing.

Perkins Loan Program The Perkins Loan Program is directly administered and awarded by the Office of Financial Aid as part of the Federal Campus-Based Aid Programs. Generally a Perkins loan is awarded to a student as part of a total aid package.
The current interest rate for a Perkins Loan is 5%. No interest is charged for these loans until repayment begins. Repayment is required to begin 6 months after a student ceases to be at least a half-time student whether due to graduation, withdrawal, or less than half-time attendance. Details on repayment schedules are available in the Student Accounts Office.

These loans are need-based and cannot exceed the following limits — Undergraduate: Combined total of not more than $4500 during the first two years of study and not more than $9000 during undergraduate career. Graduate: Combined total of not more than $18,000 for undergraduate and graduate studies.

Cancellation of an NDSL loan is allowed under certain conditions, i.e. teaching emotionally, economically, or mentally handicapped students; death; or permanent disability.

Alliance Education Loan Program
This newly established loan program provides students and/or parents with an innovative way to finance an education. Loans are made on the basis of the credit worthiness of the borrower. There is no upper income limit. The maximum loan amount is determined by the Office of Financial Aid and is equal to the student's total annual education costs minus any financial aid he/she is receiving. The amount cannot exceed $20,000 but applicants must be willing to borrow a minimum of $3000. The Alliance Loan is a variable rate loan. Borrowers may defer payment of principal and thus pay interest only while the student is enrolled at least half-time.

Scholarships/Grants
FEDERAL

Pell Grant (formerly the Basic Educational Opportunity Grant — BEOG)
This federal grant, renamed PELL Grant after Senator Claiborne Pell, is designed to assist undergraduate students. The actual amount a student receives depends on the financial information reported on his/her Financial Aid Form (FAF) and 1) full-time or part-time status, 2) length of enrollment during the academic year, 3) the cost of education.

Supplemental Educational Opportunity Grant — This program is available to full and part-time undergraduate students.

STATE

Massachusetts State Scholarship Program — Full-time undergraduate students who are legal residents of the Commonwealth of Massachusetts are eligible for Massachusetts State Scholarship consideration. This scholarship is awarded directly to students by the Massachusetts State Scholarship Office. State Grants range up to $1460.

Gilbert Matching Grant — This state program is available for full-time undergraduates who are residents of Massachusetts.

Adult Learner Grant — Priority for these awards is given to full or part-time undergraduates who are head of household A.F.D.C. recipients with children.

Graduate Grant Full or part time graduate students are eligible for consideration. Recipients must be Massachusetts residents.

Part Time Student Grant This program was designed especially for part timers. Applicants must be enrolled for at least 3 credits but less than 12 in an undergraduate degree or certificate program. Recipients must be residents of Massachusetts.

SUFFOLK UNIVERSITY

Trustees’ Scholarship This institutionally funded scholarship program is available to full or part-time undergraduate and graduate students.

The Nelson G. and Mary G. Burke Scholarship is available to residents of Rhode Island with demonstrated need.
The Agnes Driscoll Scholarship is a need and merit-based award available to members of the sophomore, junior and senior classes.

The Thomas Fulham Scholarship, a merit scholarship, is awarded to entering freshmen solely on the basis of academic promise and scholastic achievement.

The Inner City Scholarship was established to assist needy students from Roxbury, Dorchester or South Boston.

The George C. Seybolt Scholarship is a full tuition scholarship available to students with demonstrated need.

The Henry Warren Benevolent Fund was established to assist needy students from the Ashland area.

Presidents’ Incentive Loan/Grant This unique loan program frees the recipients of their repayment obligations if they graduate from Suffolk University; thereby converting into a grant. In the event of transfer or withdrawal, the recipient must repay the loan.

Minority Student Scholarship Program Ten $2500 awards are offered to minority students on the basis of need and talent. This award also offers the recipient an employment option.

Stephen P. Novak Scholarship This program was established to assist needy high school seniors with financing a Suffolk University education.

Further information on these and other scholarship programs can be obtained through the Office of Financial Aid. For information on ROTC remuneration and scholarships, refer to the Military Science section of this Bulletin.

Employment

FEDERAL/STATE

College Work Study Program (CWSP) and Massachusetts Educational Program (MEEP) These programs provide students with employment opportunities on the university campus or with various non-profit off-campus organizations/agencies. The Office of Financial Aid makes every effort to provide job opportunities which offer work experience related to the student’s educational objective. The earnings from the work position are intended to defray direct and indirect educational expenses.

College Work Study and Massachusetts Educational Employment funds are available to undergraduate and graduate students in good academic standing, making satisfactory progress, who have demonstrated financial need.

SUFFOLK UNIVERSITY

Fellowship Program — a number of Fellowship opportunities are available for full and part-time graduate students. Recipients assist faculty and administration with research projects or administrative tasks in exchange for tuition remission. These awards are based on merit.

Confidentiality All information provided to the Office of Financial Aid is regarded as confidential and cannot be released without the expressed written consent of the student applicant.

Location The Office of Financial Aid is located on the 8th floor of the Sawyer Building. The telephone number is (617) 573-8470.

Hours 8:45 a.m. to 4:45 p.m. — Monday through Friday.

Evening appointments are gladly accommodated on request. General information and questions are handled on a walk-in basis by the Office of Financial Staff. Appointments with specific administrators are available on request.
**Deadlines**

MARCH 1 — Application for undergraduate student financial assistance must be submitted to the Office of Financial Aid. A complete application includes filing of the Financial Aid Form (FAF) of the College Scholarship Service, Suffolk University Aid Application and official statements of income (i.e., tax return copy or statement of non-taxable income received).

Graduate student financial aid applications must be submitted by April 1.

NOVEMBER 11 — Spring review and January transfer applications are due.

MARCH 1 — Summer applications and other supporting documents are due.

**Employer Support**

Many students receive direct tuition assistance from their employer as an employment benefit. Contact your Personnel Office for information. For information on ROTC remuneration and scholarships, refer to the Military Science section of the College of Liberal Arts and Sciences bulletin.
Academic and Student Services

Academic Advising

General
All degree candidates are assigned an academic faculty advisor shortly after matriculation into the College. These advising assignments continue throughout a student's tenure at the College, barring the declaration of a new major or other significant development.

Once a faculty advisor approves a student's program, the student must follow that program unless approval for change is obtained from the advisor.

Administrators and Faculty maintain an "open door" policy, and faculty office hours are posted.

Supplemental advising at Suffolk University is available through other members of the faculty, administration and staff. Problems discussed may be of academic, financial, vocational, social or of any other nature that concerns the student and may affect present or future progress.

Advising on personal matters is available in the Dean of Students' Office. United Campus Ministry offers its services for religious, marital, and personal counseling. The Career Planning and Placement Office encourages early and continued discussion of occupational plans, options, and opportunities.

Students are encouraged to assume responsibility for their own affairs as much as possible. Part of this responsibility involves securing counsel or assistance.

Preprofessional Study

Prelaw
Demand for admission to law school is at a high level; therefore the admissions process is very competitive and standards for admissions are high. Law schools consider a variety of factors in making final decisions on who will be admitted; however the students cumulative Grade Point Average and the Law School Admissions Test (LSAT) Score clearly are two very important indicators. Law schools also wish to assemble in a given academic year a class of students with diverse backgrounds, so that a healthy learning environment will exist.

Unlike pre-medical programs which are required for admission to medical schools, the concept of a "prelaw" program or curriculum is actually a myth because law schools do not suggest a single curriculum path that is an ideal preparation for law school. Therefore to say that a student is in a prelaw program simply means that the student intends to apply to law school in the future.
Moreover law schools do not specify what academic major will increase a student's prospect for admission. Law schools want students who can think, read and write, and who have some understanding of the forces which have shaped human experience and society. Training in analytical reasoning and writing and in oral and written communications will also be beneficial. These attributes can be acquired in any number of college courses in the social sciences, natural sciences and humanities. What really counts is the student's capacity to perform well at an academically rigorous level.

The Suffolk University Law School Admissions Committee is highly selective and places emphasis on the quality of undergraduate work and the results of the LSAT. The Law School offers a Juris Doctor degree after three years of study in the Day Division or four years in the Evening Division.

It is sometimes possible for a limited number of outstanding Suffolk undergraduates to gain early admissions to the Law School at the end of their junior year of college. Such students are able to earn the combined bachelor's degree and the Juris Doctor degree in six years instead of the customary seven. The first three years of study are at the College of Liberal Arts and Sciences and the final three years are at Suffolk University Law School. Students in the Evening Division of Suffolk University are also eligible to apply for early admissions, though it normally takes a minimum of eight years of study to complete the combined degrees, evenings — four in college and four in law school. The bachelor's degree is awarded after the successful completion of the first full year of law study.

Students who seek early admission to Suffolk University Law School must enter Suffolk University as freshmen and complete 92 semester hours toward the bachelor's degree. This credit must include all required courses for the particular degree and major that the student selects, with the exception that the first full year of law study is substituted for major courses and electives that are normally taken in the senior year. Credit earned at other colleges or through the CLEP Test may not be counted toward the 92 semester hours. ONLY SUFFOLK STUDENTS WITH DISTINCTLY SUPERIOR RECORDS AND LSAT SCORES CAN EXPECT TO QUALIFY FOR EARLY ADMISSION AND COMBINED DEGREES.

Applicants to Suffolk University Law School normally take the LSAT in the fall semester of their Senior Year (or of their Junior Year if applying for early admissions and combined degrees). Applicants should ask the Dean of Students, Dr. Nancy Stoll, to send a letter to the Law School certifying that they have completed their academic requirements. The Law School Admissions Committee will make a decision after it receives a transcript that includes final course grades.

Prospective law students will find additional information in the Prelaw Handbook published by the Law School Admission Council and the Association of American Law Schools. This publication contains information on prelaw study, a brief word picture of most American law schools, and other relevant information.

Since the law school admissions process is complex and competitive, every interested student must have ready access to current developments and strategies on admissions. Therefore an early and continuing relationship with your Prelaw Advisor is strongly recommended.
Prelaw Advising  The Prelaw Advising Committee provides Suffolk University students with access to current information concerning preparation for and admission to law school. Specifically this is accomplished by each academic department in the College of Liberal Arts and Sciences having a faculty member designated as the "Prelaw Adviser" for that department. A list of the Prelaw Advisers is regularly published in the student newspapers at the beginning of each academic year.

Pre-Dental  Most dental schools set as a minimum requirement for admission the inclusion of one year of general chemistry and one year of organic chemistry, one year of biology, one year of physics, and one year of English composition. It is recommended that the student also attain proficiency in those subjects that give a broad cultural background.

While some dental schools set 60 semester hours as the minimum quantity requirement, the crowded condition of the professional schools allows them to be more selective in their admissions; in practice, students with three complete years of college work, or more frequently with a bachelor's degree, are given preference.

The applicant may be required to present himself for an interview before his admission status is determined. Suffolk University permits students admitted to accredited dental schools to fulfill senior year requirements by successful completion of first year dental studies.

Pre-Medical  The admission requirements for medical schools throughout the country are being liberalized, but the changes are not uniform, and the rates of change are not the same. The trend is toward less emphasis on science courses that tend to be repetitious and more upon the humanities and social science subjects. Students are being encouraged to attain in college a broad cultural background as well as basic education in the sciences.

Nevertheless, nearly all medical colleges still require the inclusion of one year of general chemistry and one year of organic chemistry, one year of physics, one year of biology, one year of English composition, and one year of English literature in pre-medical preparation. Some medical schools also require a reading knowledge of French or German.

In the catalogues of some medical schools it is indicated that an applicant will be approved for admission after three years of college work. Since, however, the number of applicants far exceeds the number of students to be admitted, the pre-medical students with a bachelor's degree and promise of success as a doctor are selected. The personality appraisal is frequently made through interviews with the dean or admissions officer. Suffolk University permits students admitted to accredited medical schools to fulfill senior year requirements by successful completion of first year medical studies. See Health Careers Committee entry in this catalog.

Pre-Optometry  Colleges of optometry, like other professional schools, base their admission standards on the academic records of their applicants. Preference is given to applicants who present college records showing a high degree of achievement in their classroom work.

The requirements for admission to the schools and colleges of optometry are not identical. Typically, the requirements include courses in English, mathematics, physics, chemistry, and biology or zoology. Some schools and colleges have varied requirements in psychology, the social sciences, literature, philosophy, and foreign languages.
The pre-optometry requirements for almost all accredited colleges of optometry represent a minimum of two academic years of study. It is recommended that Suffolk University students who plan to study optometry pursue a commonly required Freshman year in which they include in their programs Freshman Integrated Studies, First-year English, Introductory Mathematics, General Biology, and Inorganic Chemistry. In their Sophomore year, pre-optometry students should study General Physics, Calculus, Second-year English, Logic, Speech, and courses from the Humanities or Social Sciences. The student should be acquainted with the requirements of the optometry college he or she expects to attend. See Health Careers Committee entry in this catalog.

Pre-Veterinary The minimum academic requirements for admission to a school of veterinary medicine parallel those of dental schools. However, since there are far fewer veterinary colleges than medical or dental schools, the opportunities are more limited. Consequently, the customary requirement for admission is the completion of the baccalaureate. In addition, most veterinary schools are state universities which give priority for admission to residents of the state. Many veterinary schools require a course in "Animal Husbandry" or "Experience on a Farm" as a prerequisite to admission. Suffolk University does not offer these courses, but they may sometimes be obtained at another institution during the summer. Prospective students should apprise themselves of the specific requirements of the various veterinary schools as early in their undergraduate program as possible. Suffolk University permits students admitted to accredited veterinary schools to fulfill senior year requirements by successful completion of first year veterinary studies. See Health Careers Committee in this catalog.

Health Careers Committee The Health Careers Committee of Suffolk University was formed in 1972 at the request of the Dean of the College of Liberal Arts and Sciences. The committee’s primary responsibility is to write recommendations for qualified Suffolk University students seeking admission to professional schools in preparation for careers in medicine, veterinary medicine, and dentistry. As far as recommendations to such professional schools are concerned, only the Health Careers Committee represents Suffolk University. For further information, contact Dr. Henry Mulcahy.

Study Abroad

The Committee on Study Abroad oversees several programs that make study outside the United States available to students in the College of Liberal Arts and Sciences. Students who plan to receive semester-hour credit for study abroad (whether at a foreign academic institution, in a U.S.-or foreign-based study-abroad program, or in a Suffolk University field course) must have their arrangements for foreign study and for application of academic credit earned abroad to Suffolk University programs approved in advance by the Dean of Students and by the Committee on Study Abroad. These programs include:

InterFuture (Intercultural Studies for the Future): A junior-year-abroad program. Students eligible to apply are sophomores in the top 10% of their class and (occasionally) outstanding freshmen. InterFuture Scholars undertake an intensive experience in intercultural study. During the eight-month preparatory period, the student prepares an intercultural independent study project with the help of a faculty advisor on campus and a series of InterFuture conferences. The participant carries out his/her research at home and then abroad — in, if possible, both a North Atlantic and a Third World nation.
Overseas for three to seven months, an InterFuture Scholar becomes as immersed as possible in the host culture(s) — studying in each country under a local expert and living with local families and students. The research papers prepared by InterFuture participants are submitted to their home institutions for fifteen semester hours of ungraded academic credit. Information concerning the exact terms of participation and availability of positions as InterFuture Scholars is available from the chairperson of the Committee on Study Abroad.

**Project SAFARI (Study at Foreign Academically Recognized Institutions):** A loan program for summer study abroad. Any full-time student in good standing at Suffolk is eligible to apply for an interest-free SAFARI loan to assist in meeting the costs of summer study at a foreign academic institution. SAFARI loans are awarded on the basis of: 1) a project description, justifying the need for foreign study; 2) approval by the appropriate department chairperson; and 3) the student's previous demonstration of satisfactory achievement in the general area of the project. Additional details on application procedure and financial arrangements are available from the chairperson of the Committee on Study Abroad.

**Other Off-Campus Study Opportunities**

Field Courses Abroad (periodically-offered courses overseas supervised by members of the English, History, Government departments, etc.)

British Universities Summer Schools (9-credit, IIE-sponsored study package at one of three British universities);

London Internship (one-semester internship in London, administered through the Government Department, but open to all undergraduates);

Washington Internship (one-semester internship in Washington, D.C., administered through the Government Department, but open to all undergraduates).

**Fulbright Scholarships for Graduate Study Abroad:** A highly selective and highly competitive federal government program that provides support for one year (and occasionally more) of graduate study abroad. Students eligible to apply are seniors in their final year of undergraduate study. Applicants must have outstanding academic records and the strong personal endorsement of their major professors. Information concerning the terms and availability of the awards is available from the chairperson of the Committee on Study Abroad.
Academic Support Services

Career Services and Cooperative Education Office

The Career Services and Cooperative Education Office assists entering students in developing career objectives, exploring career alternatives and initiating the strategies and techniques necessary to secure successful, fulfilling employment.

Freshmen, sophomore and transfer students are especially encouraged to familiarize themselves with the services available to them through the Office. These services include:

- Career counseling
- Career exploration opportunities — including internships, career related part-time jobs and cooperative education placements
- Workshops and mini-courses focused on career opportunities, resume writing and interview skills
- Alumni career advisory assistance
- Full and part-time job listings and on-campus recruiting

Staffed by trained professionals, the Career Services and Cooperative Education Office offers individual career counseling and access to a comprehensive resource library that includes books, periodicals and directories as aides for all levels of career concern.

Cooperative Education Program

Cooperative Education integrates academically relevant work experience with classroom education. Students in the co-op program work full or part-time in a job directly related to their major course of study. The co-op experience allows students to make more realistic career choices; learn through the practical application of their academic study; become more competitive in the job market upon graduation and in many instances earn a significant portion of their college tuition.

All full-time College of Liberal Arts and Sciences and School of Management students are eligible for the co-op program if they have completed their freshman year (or one semester for transfer and graduate students) and have earned a grade point average of 2.5 or above. Co-op is an optional, non-credit program and students may choose to enroll in only one or as many as five (5) full-time or nine (9) part-time co-op work terms. Work terms coincide with the school calendar, beginning and ending at the start and finish of each semester — the Fall assignment begins September 1 and ends December 31, the Spring work term begins January 2 and ends mid-May, and the Summer work term begins mid-May and ends August 31. Because co-op students make use of the summer term either to work or attend classes the longest it will take to complete a degree is 4 ½ years for students who work in full-time co-op placements. Those who enroll in part-time placements work while attending classes and often graduate in four years.

Co-op placements are available with all types of employers: accounting firms, banks, brokers, and retailers; hospitals, universities, government, and social service agencies. The specific placement for which students apply depends upon interest, experience, and ability. There are placements suitable for sophomores with no employment experience as well as for seniors and graduate students about to enter the professions.

The Cooperative Education Office is open during regular university work hours to answer questions or take applications. An orientation session will be held prior to each work term for all interested students.
Computer Resources

Suffolk University has a large Prime Computer system devoted solely to academic purposes, with more than 70 terminals for student use distributed around the campus. Computer laboratories contain a growing number of Macintosh and AT-compatible personal computers, and a PDP-11/23 plus is employed by the Mathematics/Computer Science Department in advanced course work. In addition to a wide variety of statistical packages, available software includes the languages BASIC, C, COBOL, Concurrent Euclid, Edison, FORTRAN, LISP, Modula-2, PASCAL, PL/1, and PROLOG. Microcomputers, graphics equipment and other specialized devices are continually being added to modernize the existing hardware inventory.

University Media Services

UMS is comprised of three centers located in the Sawyer Building, Room 908, the Donahue Building, Room 215, and the Fen- ton Building, Room 404. These centers provide media equipment, services and instruction to the faculty and administration for classroom use and campus activities. A minimum of three days advance notification is required to ensure equipment reservation. To obtain equipment for use in your class/building, contact the coordinator in your building. Forms are required for the reservation of services and equipment, and can be obtained from any UMS facility. Two services are available for direct student use, the Walk-In Production Center and the Viewing Room. The Walk-In Production Center, located in S908, is a graphic production facility where students can produce overhead transparencies, posters and other graphic materials. Equipment use is free of charge; however, there is a small fee for materials. Please call X8484 for hours and additional information. The Viewing Room is in Donahue 215. Students may view 3/4” or 1/2” videotapes. There is no charge for this service. Please call X8168 for hours and reservation information regarding evening hours. Faculty planning graphic production which cannot be completed at the Walk-In Production Center should contact the graphic designer for consultation (X8288).

The Geno A. Ballotti Learning Center

The Ballotti Learning Center is a multi-faceted support service providing diverse programs for the Suffolk University community. Most Learning Center programs offer strategies and techniques for improving academic success applied to current coursework. For this reason, Learning Center programs are appropriate for students preparing for graduate school as well as students needing academic support in their current undergraduate or graduate program.

The following services are available at the Center:

- Peer Tutor Program: Peer instruction in strategies for Time Management, Exam Preparation, Text Comprehension, Note-taking, Learning Style Analysis, etc. applied to current course work. Particularly appropriate for students preparing for graduate school or for students who are having academic problems in more than one course.
- Study Group Program: Study group sessions for targeted high risk classes in which student leaders model techniques and strategies for understanding course content.
• Campus Referral: Central service for providing referral information about resources on campus.
• Course Component Program: Course support through faculty reservation of space and equipment in the Learning Center for specified classes, or through the placement of class-related software in the Center assigned as homework.
• Minority Peer Liaison Program: Peer outreach to answer questions and generally support minority students during their transition into the Suffolk University community.
• CLEP: College Level Exam Placement Test (CLEP) allowing students to receive college credit by demonstrating content achievement.
• Graduate Exam Prep: Self-study grad exam preparation programs for GRE, LSAT, GMAT, MCAT.

The Ballotti Learning Center is located in the Archer Building, on the corner of Derne and Temple Streets, in Room 331. The Center is open 9:00 to 5:00 Monday through Friday. Evening and Saturday hours are posted each semester. All services are free. For further information stop by the Center or call 573-8235.

**Math Support Network**

The Department of Mathematics and Computer Science offers a variety of math and computer assistance totaling over 60 hours each week.

**Drop-in Math Help Sessions** offer one on one help with coursework for students in all the various freshman and sophomore math courses. Special instructors answer questions, go over exercises and generally help students "keep on top of" their work.

**Drop-in Computer Help Sessions** offer similar one on one help in Computer Programming I and II. Special lab assistants are available in one of the Computer Rooms on a regular basis to help all members of the University community use the computer, microcomputers, other equipment and software.

**Math Review Sessions** systematically review various basic math topics such as fractions, decimals, percents, how to use formulas and how to work with parentheses and negative signs. Students needing these skills in any college course may attend these sessions.

In addition, the Learning Center offers other forms of assistance such as study groups, peer tutoring and special self-help cassette tapes and computer modules. Tapes are also available on Relaxation Techniques and on methods for overcoming Math Anxiety. There is no extra charge for any of these services.

**Tutorial Program in English**

The English Department offers a peer tutorial program in writing skills, reading skills, and English as a Second Language. Students are self-referred or are referred by the faculty to the Director of Developmental English. Undergraduate students with superior abilities in English serve as peer tutors under the Director's supervision. The program's services are offered free of charge to all Suffolk University students.
Library Services

Sawyer Library The Mildred F. Sawyer Library occupies the first two floors and two floors below street level of the Frank Sawyer building at 8 Ashburton Place. It contains a collection of 98,000 volumes, more than 1,300 current periodicals, 11,000 microfilm reels and 100,000 microfiche. Course-required textbooks and other materials are kept on reserve on the second floor. Special collections include annual reports of American corporations and the Collection of Afro-American Literature. Microtext collections include a history of American business, non-governmental statistical publications, and 19th century Americana. The University Archives is housed on B floor of the library.

The Sawyer Library has seating for 400 students, with study carrels, 3 group-study rooms, and a browsing area where current newspapers, magazines and "bestseller" books may be found. Also provided are typewriters, word-processors, microcomputers, coin-operated photocopiers, and microform reader/printers.

Four full-time Reference Librarians provide help in using the library's many services. Along with the usual tools of an academic Reference department, the Reference area has a strong collection of special encyclopedias, directories, indexing and abstracting services, and business services. In addition, there are selected census materials, and computerized access to hundreds of bibliographic and other databases.

The Library is open during the school terms as follows:

- Monday through Thursday 8:00 a.m. to 11:00 p.m.
- Friday 8:00 a.m. to 9:00 p.m.
- Saturday 10:00 a.m. to 6:00 p.m.
- Sunday 1:00 p.m. to 10:00 p.m.

The library is closed on most holidays and on Sundays during the summer sessions.

Fenway Library Consortium When additional resources are needed, the Library can refer users to the appropriate library among the many in the Boston area. The holder of a current Suffolk University I.D. can use any of the 13 libraries in the Fenway Library Consortium. Students can use the Boston Public Library, including its Kirstein Business Branch, the State Library, and several other academic libraries. Also, a number of the banking, governmental, business, and association libraries in downtown Boston allow public access.

Archives The University Archives collect materials documenting the history and activities of Suffolk University, including yearbooks, catalogs, newspapers, administrative documents, photographs and other memorabilia. The Archives are located within the Mildred F. Sawyer Library.

Afro-American Literature Collection In 1971 Suffolk University and the Museum of Afro-American History established a Collection of Afro-American Literature. In 1981 the newly established Boston African American National Historic Site, under the auspices of the National Park Service, joined the project. The Collection includes poetry, drama, fiction, and non-fiction prose of important black American writers from the eighteenth century to the present in both book and periodical form. It contains related critical, historical, biographical, and bibliographical works by writers of all races. Of special interest is the Collection of Afro-American writers associated with New England. Housed in the University's Sawyer Library, the Collection serves as the nucleus for a permanent center in Boston for students and visitors to study and enjoy Afro-American literature.
Student Support Services

**General Alumni Association** The General Alumni Association has over 12,000 members. All graduates of the undergraduate colleges and of graduate programs not specifically designated as a separate division are members. Active membership does not depend upon any sort of contribution to the University.

Alumni play an integral part in promoting and maintaining the high standard of education which is a tradition at Suffolk University. Governed by 15 directors elected by alumni, the association sponsors a variety of social, cultural and educational functions.

Through their support of the Annual Fund, alumni enable the school to maintain facilities, provide scholarship assistance, augment library resources and fulfill ongoing financial needs.

**Campus Ministry** The Campus Ministry Office is a place where people can drop by for discussion or direction. The Office also provides programs in which contemporary issues and concerns in the public domain are presented from a religious perspective. Campus Ministers are available for liturgical services and counseling to students, faculty, and staff. The Office is located in the Ridgeway Student Center, Room 22.

**University Counseling Center** (Department of Psychological Services)

The University Counseling Center exists to help students function more effectively by assisting them in defining and achieving their personal and academic goals. Counseling Center facilities and programs are offered without charge to full and part-time students, faculty, administration, and alumni/ae. (Owing to limited resources, it is not always possible to provide complete support services for special non-degree students). When appropriate, referrals will be made to individuals or agencies outside the University.

Services include the following: (1) individual and group counseling related to personal concerns, academic adjustment and career exploration, (2) administration and interpretation of aptitude, achievement, interest and personality tests to assist students in exploring and defining career goals, (3) maintenance of a career/education library, (4) experiential courses in Interpersonal Relations, Leadership Skills, and Career Choices/Life Goals designed to increase awareness of self and others and to develop interpersonal and life planning skills, and (5) individual and group consultations to help improve the learning environment at the University.

Strict confidentiality of records and counseling relationships is maintained at all times. No information concerning any person’s counseling relationship shall be shared unless a written release is obtained from that person.

Counseling Center services are available Monday through Friday from 9:00 a.m. to 4:30 p.m., on Wednesday evenings from 4:30 p.m. to 7:00 p.m., and on other evenings by appointment. Appointments can be made in Archer 301 or by telephone (Ext. 8226).
**Health Services** Any student, undergraduate or graduate, full or part-time is eligible to use the Health Service. All visits to the Health Center including visits to the physician are free. There are charges for laboratory work which must be sent out.

The office is open Monday thru Friday 9:00 am to 6:00 pm during the school year. The office is not open on weekends and holidays. Care is available during the summer. All visits to the Health Center are confidential. The following clinics are available at various times during the week: General Medicine, Gynecology, and Sports Medicine. Please call to make an appointment.

Special services available include premarital blood work, flu shots, immunizations, allergy injections and laboratory services.

Health insurance is strongly recommended for all students. Brochures and information are available in the Health Center.

All accidents or injuries occurring on University property should be reported to Health Services. Anyone who is exposed to or contracts a communicable disease should immediately contact Health Services. If an emergency occurs when the Health Center is closed please call the University Police to assist you.

**Minority Student Support** The Assistant to the President serves as a counselor and resource person for American minority students in the areas of personal problems, adjustment issues, academic advice, and career planning. The Assistant serves as a liaison and facilitator with other departments of the University on issues of concern to minority students, faculty and staff.

The Office of the Assistant to the President is located in the Archer Building.

**Veterans Services** The College Registrar's Office functions as a liaison between the Veterans Administration and the University. It certifies and processes both initial and follow-up claims for benefits. It also assists in cases when a veteran who is entitled to benefits has not received them.

**International Student Advisor** The International Student Office provides to international students, a wide variety of administrative and support services related to legal, financial, and personal matters in order to facilitate their adjustment to the United States and Suffolk University. The office also acts as liaison between the immigration service; U.S. or home country government agencies; sponsoring agencies; and the Suffolk University system, including administrative and academic departments and personnel.
Course Information

Course Numbering System Course numbers are read as follows:

Undergraduate

| 000-099 Development Programs (see advisor) |
| 100-199 Introductory Level |
| 200-299 Intermediate Level (prerequisite may be required) |
| 300-499 Intermediate and Advanced Level (prerequisite may be required) |
| 500-599 May be taken by both Undergraduate and Graduates (faculty permission required) |
| 600-699 Developmental Programs (see advisor) |
| 700-899 General Courses |
| 900-999 Advanced Level (faculty permission required) |

Course numbers ending in a one or a two are parts of a two-semester sequence, with part one normally completed before part two is undertaken. Letter prefixes indicate: (F) extra fee assessed, (L) lab fee assessed, (X) no lab fee assessed, and (H) honors course.

Normal Full Program A program of four or five courses (excluding laboratories) is considered a full load for a full-time student in any semester. Permission to take a sixth course may be given when circumstances warrant (see Excess Courses). All full-time undergraduate students are expected to complete at least four courses each semester. Those who fail to do so can continue only with the permission of the dean of the college in which they are enrolled. (This policy does not apply to students admitted as continuing education students, non-degree students, or as senior citizens who may carry reduced course loads at their own discretion).

Excess Courses Any course, in addition to the normal five courses (excluding laboratories), is an excess course. For compelling reasons, a student may be given special permission by the Academic Dean to register for a sixth course if the student has been in attendance at Suffolk University two full semesters or more, provided that the cumulative honor point average is 2.5 or better at the time of the petition. Application for the additional course should be made at the Registrar's Office (in advance of Registration Day). Students are limited to five courses per term in their first two semesters.

In all other cases, permission to take an additional course must be obtained in advance from the Sub-Committee on Excess Courses. Petition forms are available in the Registrar's Office and Office of the Dean. A student may not receive credit for more than six courses in any one semester.

Summer Session students whose average is below 2.5 are ordinarily limited to a program of not more than two courses in each term, but may petition the Sub-Committee on Excess Courses for permission to take a third course. Students whose average is 2.5 or better may carry three courses in each term.
Auditing  Students may audit a course for zero credits and receive no honor points; however, they must pay the same tuition as if taking the course for credit. It is the student's responsibility to inform the instructor that he/she is auditing the course during the first two weeks of classes. Under no circumstances may a student change from credit to audit or vice-versa after the first two weeks of classes. Any course which is audited will appear on the student's transcript with a grade of AU.

Pass-Fail Courses  A Pass-Fail Option is available to students in lieu of letter grades, subject to the following limitations and regulations:

Eligibility is restricted to Juniors and Seniors in good academic standing and to those Junior and Senior transfer students who have completed a minimum of 15 semester hours of course work at Suffolk University. This option is limited to four three-semester hour courses per student. An exception may be made for Psychological Services 503 — Interpersonal Relations, which can be taken by any student as a Pass-Fail course with the consent of the instructor.

Pass-Fail courses may not be taken in a student's major or minor and may not be used to fulfill general college requirements or the related courses required as part of the student's area of concentration (major).

Students will designate courses as Pass-Fail on their registration forms at the time of registration. No changes from this designation to the letter grade system or vice-versa are permitted after the course change period has elapsed at the opening of any semester or summer session.

At the end of the semester, instructors will submit letter grades for all students except for those who have chosen to take the course on a Pass-Fail basis. The instructor and the Registrar will transcribe a Pass as P and a Fail as F for those who elected this option.

A Pass received on this basis may be applied toward fulfilling degree credits, but may not be applied toward the grade point average.

Students planning to attend Law School or other Graduate Schools should be aware that many Professional and Graduate Schools do not look with favor upon the Pass-Fail system and prefer students to submit traditional letter grades.

Transcript of Record  Requests for transcripts should be made in writing at least one week in advance of the date on which the transcript is desired. No transcript will be issued until the transcript fee has been paid. The University reserves the right to refuse to issue a transcript of the record of any student who has not fulfilled all financial obligations due the university.

No transcript requests will be honored during the registration periods. Requests must be made in writing or by coming to the Registrar's Office in person. No telephone requests will be honored.
Registration

Registration Registration for students currently attending the University is conducted by mail. Notice is posted and published as to time and procedure.

The Admissions Office notifies newly accepted students of time and place.

Limits Except in special cases, students may not register after the first full week in any semester. A late registration fee of twenty-five dollars will be required of students who register during the first week of class, and fifty dollars after the first week of class.

Change of Address Students are required to notify the Registrar of any change of the student’s address or that of the parent or guardian, or change of legal name. If a student’s legal name is changed, a certified copy of the relevant documents must be submitted to the Registrar within 48 hours of the effective date of the change.

Add/Drop or Change of Course Students who wish to add, drop, or change a course during the first two weeks of a term must obtain the signatures of the instructors of the affected courses. The form must be returned to the Registrar’s Office.

Normally, courses may not be added or changed after the second week, and under no circumstances, after the fourth week. Students who wish to add, drop, or change a course after the first two weeks of a term must obtain the permission and signatures of the instructors of the affected courses and the Registrar.

A $10 fee is charged for each course change after the first two weeks of a term. (See tuition liability section of this catalog.)

Continuing Orientation Groups All full-time freshmen are required to participate in a Continuing Orientation Group as part of the Suffolk Continuing Orientation Program for Educational Success (SCOPES). These groups meet weekly during the early part of the fall semester and provide freshmen with success, study and survival skills.

Courses at Other Institutions Students wishing to take courses outside Suffolk University must complete an Outside Course Authorization Request Form prior to registration at another institution. Permission is granted only under extenuating circumstances.

Undergraduate Students may not take courses at other institutions when (1) they are within the last thirty (30) semester hours of their degree, (2) they have transferred sixty-two (62) or more semester hours into Suffolk University or (3) their grade point average is below a 2.0.

Graduate Students may transfer a maximum of six (6) semester hours of credit into their program provided they are in good academic standing (GPA 3.0 or better).

Transfer Credit. Only undergraduate work of C or better and graduate work of B or better will be honored.

Outside Course Authorization Request Forms are available in the C.L.A.S. Dean’s Office, Fenton 234.
Exams and Grading

Final Examinations Final examinations are required in all regular courses unless waived by the department chairperson and the Dean.

Make-Up Examinations Only when incapacitating illness or other emergency makes attendance at a final examination impossible may a make-up examination be requested. The request should be made promptly (within two weeks) through the Dean of Students. Medical certificate or other verification should accompany the request. Authorized make-up examinations must be taken no later than the next succeeding semester. A fee of ten dollars is charged for each make-up examination. A student who has completed a course with a grade of "F" is not eligible for a make-up examination. Students may, however, take the CLEP Test in lieu of repeating a failed course.

Reports Grade reports will be issued to each student soon after the close of each semester.

Honor Point System 4.0 Honor Points will be granted for each semester hour of A grade work, 3.7 Honor Points for A- work, 3.3 for B+ work, 3.0 for B work, 2.7 for B- work, 2.3 for C+ work, 2.0 for C work, 1.7 for C- work, 1.3 for D+ work, 1.0 for D work, 0.7 for D- work, and 0.0 for F work. Grades of I, W, P, and L are not computed in determining honor points. In a 3 semester hour course a grade of A will count as 12 Honor Points (3x4.0 Honor Points = 12 Honor Points). A minimum average of 2.0 (C) is required for graduation. In some departments, a higher average is required in the major.

Scholastic averages are computed by dividing the number of honor points earned by the number of semester hours attempted.

The Grading System

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Honor Point Grade</th>
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<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
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<tr>
<td>B</td>
<td>3.0</td>
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<tr>
<td>B-</td>
<td>2.7</td>
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<td>C</td>
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<td>C-</td>
<td>1.7</td>
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<td>D+</td>
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<tr>
<td>D</td>
<td>1.0</td>
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<tr>
<td>D-</td>
<td>0.7</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
</tr>
<tr>
<td>W</td>
<td>Does not affect honor point average</td>
</tr>
<tr>
<td>P</td>
<td>Does not affect honor point average</td>
</tr>
<tr>
<td>L</td>
<td>Does not affect honor point average</td>
</tr>
</tbody>
</table>

"A", "A-", "B+", "B", and "B-" are honor grades.

"C+" and "C" represent satisfactory work.

"C-", "D+", "D", and "D-" represent passing but unsatisfactory work.

"F" is a failing grade. It indicates (a) that more than half of the course requirements are complete but unsatisfactory by the end of the semester or, (b) that the student dropped the course or withdrew from the University without valid cause after the mid-point of the course (in terms of weeks of class). Students who merely stop attending a course without having completed the official forms should expect to receive a grade of "F".

"I" (Incomplete) indicates a failure to complete course requirements. The "I" grade is given, at the instructor's discretion, only if the student has completed at least half of the course requirements at the end of the semester. Unless an "I" grade is changed by the instructor to an evaluative grade within one year — or by the end of the semester in which the course for which the student received an "I" is next offered (whichever is later) — it is automatically converted to an "F." Natural Science laboratory courses must be made up the next time the laboratory course is offered.
“L” (Lost) is awarded when a student’s name appears on a roster, but that student fails to appear in class or disappears prior to the last day for course changes without complying with the official withdrawal procedure.

“W” signifies official withdrawal from a course. It is assigned administratively, (a) if a student voluntarily drops the course or withdraws from the University prior to the start of the mid-point of the course, in terms of weeks of class, or, (b) if the student drops the course or officially withdraws from the University for valid and serious cause after the mid-point of the course.

Valid cause includes serious illness, job transfer, problems involving family responsibilities, and similar circumstances beyond the students’ control.

The validity of such declarations for cause will be determined by the Dean of Students’ Office. Any reasons for cause must be documented, certified, and submitted with the completed petition.

Courses officially dropped during the add-drop period will not appear on the student’s record.

An excessive number of “W’s,” “I’s” and “L’s” can lead to academic probation or dismissal.

For information concerning tuition liability, see the appropriate section of this catalog.

**Mid-Semester Evaluation**

Each instructor is responsible for giving at least one evaluation to each student in each course by the beginning of the seventh week of the semester. Students who are experiencing academic difficulty should be referred to the Counseling Center and/or Learning Center for assistance as soon as possible. Evaluations should be completed and reported to students well before the last date for withdrawal without penalty of “F” grade.

**Attendance**

Requirements for attendance are established by the instructors in all courses. Instructors are responsible for informing students of their policies and attitudes regarding attendance, at the beginning of each course. The student, when absent from class, has the responsibility of obtaining knowledge of materials covered in classes missed, especially information about announced tests, papers or other assignments. While absence may adversely affect grades in courses where class participation is a determinant in grading, absence *per se* in other courses will not result in academic penalty.

**Academic Disputes**

A student who believes that an academic evaluation has no basis in fact or is arbitrary should bring this to the attention of the instructor and to the department chairperson, and if unsatisfied after a conference may raise the issue with the Dean of Students whose recommendation shall be considered by the College academic dean, whose decision shall be final.
Assessment Requirement

As a condition of graduation, all students will be required to participate in and complete two assessment sequences. The first testing period will be conducted during the first year of a student's matriculation at Suffolk University. Seniors will also be required to take the assessment tests in the fall prior to their graduation. The assessment is being conducted so that the faculty can gather data about the student body as a whole. You cannot fail the assessment exam and your scores are used only as part of statistics about the entire freshman class. The data obtained from assessment will be compared to that of other colleges and will be used to evaluate the curriculum. Please remember that the assessment is for information only and that by taking part you are helping the College develop the best possible curriculum for you and for all students of Suffolk University.
Classification of Students

Classification of students depends upon the number of semester hours earned prior to the first semester of the current year. Freshman standing is assigned to all those having less than twenty-five semester hours; Sophomore standing, less than fifty-five semester hours; Junior standing, less than eighty-five semester hours; Senior standing, at least eighty-five semester hours.

Academic Probation

No student on academic probation shall be eligible to compete in athletics, hold elective or appointed offices, or represent the University in extracurricular or intercollegiate activities. However, a student on academic probation may continue membership in extracurricular activities such as clubs or fraternities, and may write for, but not be a member of the staff of campus publications. In the event the student's average does not improve, the Dean of the College or the Academic Standing Committee may require a further limitation of extracurricular activities as a condition for continuation at Suffolk University.

Any student who receives a combination of 3 or more marks of W, I, or L in any academic year shall be subject to review by the Academic Standing Committee.

Academic Suspension and Dismissal

A student who has been placed on academic probation will generally be given until the following semester's final grading period to establish an acceptable grade point average or demonstrate a significant improvement in academic performance. Failing to achieve a satisfactory average, the student becomes subject to suspension or dismissal from the University after review by the Academic Standing Committee. At the end of each fall and spring semester Freshmen with an average of less than 1.5, Sophomores with an average of less than 1.6, Juniors and transfer students with an average of less than 1.8, and Seniors with an average of less than 1.85 are in imminent danger of academic dismissal.

Furthermore, a student may be dismissed at any time during the school year if, in the opinion of the Academic Standing Committee, he/she fails to maintain a satisfactory scholastic record.

Suspension, Enforced Withdrawal, and Expulsion

A student who has been found to have violated the rules of academic probation after a hearing by the Dean of Students or by the Joint Committee on Student Conduct, which hearing has been held at the option of the student, is subject to suspension, enforced withdrawal, or expulsion from the University or appropriate lesser penalties if warranted by the circumstances.

Petition for Re-admission

A student who has been dismissed for academic deficiency may, as a matter of right, file a petition for re-admission with the Academic Standing Committee. This typewritten petition should contain a brief explanation of the cause of past academic difficulties encountered and some indication of the corrective action that has been taken to prevent a recurrence of the scholastic problem.

Petitions should include a transcript of all interim college-level work attempted outside Suffolk University, if applicable, and a processing fee of $15 in the form of a check or money order made payable to Suffolk University. Petitions for re-admission for the Fall or Spring semester must be filed in the Office of the Academic Dean not later than 20 working days prior to the beginning of classes.
Students wishing to enroll in Summer Session II must file their petition for re-admission not later than 20 working days prior to June commencement.

It is strongly recommended that a student schedule a conference with Dean Sartwell, Ext. 8268, prior to petitioning for readmission.

**Fresh Start Program** The Academic Standing Committee may at its discretion discount the former grades earned at Suffolk of individuals who seek readmission to the College of Liberal Arts and Sciences after a prolonged absence from the University. Students re-entering under this policy must successfully complete a minimum of 30 credit hours of new work at the University to be eligible for graduation. Honor points and the grade point average will be computed solely from this work.

Eligibility is normally determined during the readmission process.
Voluntary Withdrawal

Withdrawal from College If it becomes necessary for a student to withdraw from college, he or she is expected to complete an official withdrawal form obtainable in the Dean of Student’s Office and have an exit interview with the Dean of Students. When circumstances prevent this, the student or parents should write to the Dean of Students concerning the reason that requires withdrawal from college.
Graduation

Eligibility for Degree In order to be eligible to receive a bachelor's degree from the University, a student must have at least (1) two-honor points for each semester hour of credit earned in courses at the University and (2) a C average (2.0) in the major courses. The last thirty hours in any bachelor's degree program must be earned at Suffolk University. Eight years is the normal limit for completion of part-time or interrupted degree programs. Transfer students must earn at least a 2.0 grade point average in courses completed at Suffolk University.

Candidates for an Associate Degree will be required to earn a proportion of honor points comparable to the number required for Bachelor's degree candidates.

Application for Degree Students must submit an Application for Degree to the Accounting Office at the BEGINNING of the student's final semester. However, students who take courses in the second evening Summer Session are not eligible for September graduation, but may graduate the following January or June. Upon filing this application, the student is required to pay the graduation fee. The Registrar will not accept any forms for processing until clearance has been granted by the Accounting Office. Failure to comply with this requirement will delay graduation until the end of the following term.

Eligibility to Participate in Commencement Exercise In addition to those students who have completed in quality and quantity the requirements for their respective degrees, students meeting the following conditions may also participate: 1) Students will be allowed to participate in Commencement if they are within three courses or nine credits of fulfilling their requirements. 2) These last three to nine credits must be completed in the subsequent term. 3) Petitions are filed in the Registrar's Office. Completed petitions will be reviewed by the Registrar and Dean of the College for approval.
Scholastic Honors

Dean's High Honors List A student shall be eligible for the Dean's High Honors List in any semester in which his or her grade-point average is at least 3.70 and provided he or she receives no grade of D, F, or I, and has earned a minimum of 12 semester hour credits and a minimum of 9 semester hours. Students with less than 9 semester hours who meet the criteria will be recognized annually for the spring and fall semester of the calendar year.

Dean's Honors List A student shall be eligible for the Dean's Honors List in any semester in which his or her grade-point average is between 3.30 and 3.699 inclusive and provided he or she receives no grade of D, F, or I, and has earned a minimum of 12 semester hour credits and a minimum of 9 semester hours. Students with less than 9 semester hours who meet the criteria will be recognized annually for the spring and fall semesters of the calendar year.

Departmental Honors Many departments recognize outstanding scholarship through membership in scholastic societies and/or the granting of honors. See the pertinent Departmental Sections of this catalog for details.

Recognition Day Full time students who have excelled in a single academic field, or who otherwise have earned distinction through meaningful campus activities, are formally recognized in ceremonies held at the end of each Spring semester. Recognition Day is one of the oldest of traditions observed at Suffolk University. Its purpose is to respond to excellence wherever it is found in the broad spectrum of undergraduate life. Criteria for selection are diverse, according to the nature of the award. Further information is available in the Student Activities Office.

Highest Class Honors Each spring the College of Liberal Arts and Sciences presents an Outstanding Student Award to the individual with the highest cumulative grade point average in his/her respective class. To be eligible for consideration, a student must be a full time undergraduate enrolled in the day division and have accrued the following minimum credit hours while in attendance at Suffolk University:

<table>
<thead>
<tr>
<th>Class</th>
<th>Minimum Earned Credit Hours at Suffolk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>15</td>
</tr>
<tr>
<td>Sophomore</td>
<td>42</td>
</tr>
<tr>
<td>Junior</td>
<td>70</td>
</tr>
<tr>
<td>Senior</td>
<td>106</td>
</tr>
</tbody>
</table>

A fifth award is presented to the Senior transfer student with the highest cumulative grade point average who has earned not less than 46 credit hours while in attendance at Suffolk University.

Graduation with Honors

1. To be eligible for graduation with honors, a student must have completed at least 60 semester hours of work at Suffolk University. (Courses for which a student receives credit through CLEP examinations may not be counted toward this minimum of 60 semester hours, but courses taken at Emerson College through cross-registration in affiliated programs with Emerson College may be counted toward the minimum of 60 semester hours.)

2. To be eligible to graduate summa cum laude a student must, in addition to requirement 1 above, have a cumulative grade point average placing him/her in the top two percent of those members of the graduating class who meet criterion 1, must have a cumulative grade point average of at least 3.85, and must have no grades of F or I.
3. To be eligible to graduate magna cum laude a student must, in addition to requirement 1 above, have a cumulative grade point average placing him/her in the next six percent of those members of the graduating class who meet criterion 1, must have a cumulative grade point average of at least 3.7, and must have no grades of F or I.

4. To be eligible to graduate cum laude a student must, in addition to requirement 1 above, have a cumulative grade point average placing him/her in the next twelve percent of those members of the graduating class who meet criterion 1, must have a cumulative grade point average of at least 3.3, and must have no more than one grade of F or I.

5. An Honors Graduation Committee appointed and chaired by the Dean of the College, will examine the percentage distribution of students with honor point averages in order to minimize inequities. This committee would be guided by written criteria approved by the faculty but have the right to exercise judgement in unusual cases.

**Delta Alpha Pi Society** At the close of each term the deans and the faculties of the Colleges select high standing junior or senior full-time, undergraduate, day division students for membership in Delta Alpha Pi. Election is an academic honor and recognizes truly superior achievement by an undergraduate enrolled in any bachelor’s degree program. A student may receive this honor at the end of the junior year or upon completing the first half of the senior year. Students who have more than one grade of F or I are ineligible for election to Delta Alpha Pi. The minimum academic requirements for election are as follows:

*Junior Year* (early selection) A student who has completed 84 semester hours of college work, at least 30 of which have been completed at Suffolk University, and who has earned a cumulative honor point average of 3.6 or higher shall be eligible for early selection for the honor society.

*Senior Year* (final selection) A student who has earned 102 semester hours at the end of a semester, of which at least 45 semester hours have been earned at Suffolk, and who has earned a cumulative honor point average of 3.4 or higher, shall be eligible for final selection. Generally, the faculty requires a higher average for induction in this society.

**Pi Gamma Mu Honor Society** Massachusetts Gamma Chapter is the Suffolk Chapter of the National Social Science Honor Society Pi Gamma Mu. To qualify for membership, students must have completed 24 semester hours of social science courses with a minimum average of “B” and no failures in government, economics, sociology, history, philosophy, and social psychology. The maximum number of students who may be admitted in any one year is ten percent of upperclassmen specializing in any of the social sciences. Members are elected for life.

**Sigma Xi** The purpose of Sigma Xi is to encourage original research by faculty and alumni in science, pure and applied. A Sigma Xi Club is maintained at Suffolk University.

**Sigma Zeta Honorary Science Society** Alpha Lambda is the Suffolk Chapter of Sigma Zeta, a national honorary science society. The society’s aims are to give recognition to students of superior scholarship in the natural sciences and mathematics, to encourage the attainment of a broader knowledge of and to promote interest in these fields, and to stimulate interest in scientific investigation. Active membership is extended to faculty members in the natural sciences and mathematics and to sophomores, juniors and seniors majoring in one of these fields who meet the grade-point ratio qualifications (i.e., 3.00 in science and mathematics and 2.75 overall).
The Archer Fellows Program

Eligibility Designation as Gleason L. Archer Fellows is offered each year by the College of Liberal Arts and Sciences to the twenty-five most highly-motivated, academically-promising students in the freshman class. Other qualified students may apply to the Archer Fellows Faculty Oversight Committee for membership in the Archer Fellows program up to and including the first semester of their junior year. Students may withdraw from the program, without penalty, at any time during their academic career in the College.

Special Benefits Archer Fellows receive, throughout their career at the College, special recognition, orientation, and advising. They have, in special “challenge seminars” and “challenge” courses, the unique opportunity to shape the learning experience to their own needs and interests and to work in close collaboration with College faculty members. Archer Fellows are offered, and help to plan, a series of social and intellectual events to bring them together, to offer them food for thought, and to help them get to know members of the faculty. Finally, Archer Fellows are separately listed in a place of special honor on the Commencement program at their graduation ceremony, their diplomas indicate the special distinction of their participation in the Archer Fellows program, and their student transcripts (sent to potential employers and to graduate or professional schools to which they apply) explain the special requirements and responsibilities of participation in the Archer Fellows program, along with the great respect and prestige attached to the Archer Fellows by the College of Liberal Arts and Sciences.

Academic Program and Requirements

As freshmen, Archer Fellows are members in a special two-semester honors section of the Freshman Integrated Studies college introductory course.

As a sophomore, each Archer Fellow chooses, from among three or four possible topics, a one-semester “challenge seminar” in either the fall or the spring semester. The topics of the “challenge seminars” offered each semester are decided by a committee of Archer Fellows in consultation with the Archer Fellows Faculty Oversight Committee.

As a junior, each Archer Fellow again selects a one-semester “challenge seminar.”

As a senior, each Archer Fellow elects a final one-semester “challenge seminar,” as part of which he or she prepares a senior honors project.

In addition, Archer Fellows must take five additional courses that have been designated by the College as “challenge” courses — intended primarily for Archer Fellows. To remain in good standing, an Archer Fellow needs to maintain a “B” average in “challenge seminars” and “challenge” courses.

Oversight Responsibility for all aspects of the Archer Fellows program rests with the Faculty Coordinator of the Archer Fellows program (Dr. David Robbins) and the Archer Fellows Faculty Oversight Committee.
Student Conduct

Decorum Specific regulations governing all questions of conduct, and other policies and procedures governing student behavior and disciplinary measures are contained in the Suffolk University Joint Statement on Rights and Freedoms of Students, which can be found in the student handbook, Before and After Five.

Smoking In compliance with Massachusetts General Laws, Chapter 759, Suffolk University is a non-smoking campus except in those areas designated for smoking.

Cheating and Plagiarism Suffolk University insists upon the highest standards of academic integrity in all student work, both written and oral. Penalties for cheating and plagiarism are severe, including possible suspension or expulsion. A full discussion of the responsibilities of students in this matter can be found in the student handbook, Before and After Five.

Dismissal The University reserves the right to suspend, enforce the withdrawal of, or expel a student whose academic standing or conduct is in its judgment unsatisfactory, or who does not comply with the rules and regulations of the University. Any student found guilty of participating in or inciting a riot or an unauthorized or disorderly assembly is subject to appropriate disciplinary action which may include suspension or dismissal.
Degrees

Degree Programs

The College of Liberal Arts and Sciences offers the following undergraduate degrees:

Bachelor of Arts (B.A.)
Bachelor of Science (B.S.)
Bachelor of Science in Journalism (B.S.J.)
Bachelor of Science in General Studies (B.S.G.S.)
Associate in Arts (A.A.)
Associate in Sciences (A.S.)

Each academic department shall specify whether students majoring in that department shall meet the requirements of the B.A. degree, the B.S. degree, or have a choice of the B.A. or B.S. degree. All degree programs provide a broad liberal arts background and specialization within a single major field.

A minimum of 122 semester hours is required for the bachelor’s degrees and 62 for the associate’s. Day students normally complete their degree requirements in four years unless they attend the Summer Sessions to accelerate their programs. Evening students normally complete their degree requirements in from five to eight years. Most major programs specify 30 semester hours of course work in the major department, and some specify additional Complementary Major Requirements outside the major department. Requirements for an academic major shall not exceed 36 semester hours, excluding laboratory credits (whether separately listed or not), in any one academic department* unless a waiver is approved by the Curriculum Committee, Educational Policy Committee, and Faculty Assembly.

(*The departments of Physics/Engineering, Humanities/Modern Languages, and Mathematics/Computer Science are joint departments and should, for purposes of interpreting this requirement, be considered to be two separate departments.)

Major Programs

Airway Science B.S.
*Airway Computer Science
*Airway Electronics Systems
Biology B.A., B.S.
Biology
Life Studies, B.A. only
Environmental Technology
Marine Science
Medical Technology
Biology-Computer Science
Biotechnology
Cytotechnology
Biology/Secondary Education
Chemistry B.A., B.S.
Chemistry
Chemistry/General Business Minor
Biochemistry
Chemistry-Computer Science
Chemistry/Secondary Education
Communications and Speech B.A., B.S.
Forensics
Mass Communication
Organizational Communication
Rhetoric/Argumentation
Computer Science B.A., B.S.
Dramatic Arts B.A., B.S.
Economics B.A., B.S.
Applied Economics and Computer Technology
Econometrics
*Economic Decision Making
*Economic Policy
Education
Elementary B.A., B.S.
*Business Education B.S.
*Secondary Teacher Certification B.A., B.S.
*English B.A.
French B.A.
Government B.A., B.S.
Political Science
*Public Policy and Administration
History B.A., B.S.
*American History
*European History
*Multicultural History
*History and Law
*History and Literature
Humanities B.A.
International Economics B.A., B.S., Specialization in Spanish or French
Journalism B.A., B.S. in Journalism
*Print Journalism
Mass Communication
Public Relations
Mathematics B.A., B.S.
Mathematics
Mathematics/Secondary Education
Mathematics/Computer Science/Secondary Education
Philosophy B.A., B.S.
Physics B.A., B.S.
Physics
Physics-Computer Science
Physics/Secondary Education
Computer Engineering
Electronic Engineering
Psychology B.A., B.S.
Mental Health
Industrial/Organizational
Human Development
Sociology B.A., B.S.
*Crime, Law and Deviance
*General Sociology
*Health Studies
*Aviation Systems
*Social Work
*Sociology-Spanish
*Technology and Society
Spanish B.A.
Special Concentrations
*Indicates that a full major is available in the Evening Division.

Degree Requirements
Within the semester-hour requirements for bachelor's and associate's degrees, certain courses and options must be taken as requisites to the degrees. These requirements are in two categories:

• College Requirements, provide the basic knowledge and skills necessary for successful academic work at higher levels, and the breadth of knowledge in many fields that is fundamental to liberal education.

• Major Requirements, provide the specialized knowledge, training and experience necessary in preparing for a career or vocation.

Courses that are taken as part of a student's Major or Complementary Major Requirements, which are also listed under the College Requirements, can be used to satisfy both Major and College Requirements. These courses count only once toward the 122 hour requirement for bachelor's degrees and the 62 hour requirement for associate's degrees.

Individual exemptions from College Requirements, based on examination and recommendation of the appropriate departments, may be granted by the Dean of the College of Liberal Arts and Sciences. Semester-hour credit is not granted for such exemptions. Certain limited exemptions from College Requirements may also be granted by the Dean, without credit, in order to accommodate the needs of Major programs with unusually heavy requirements.
Double Majors

Double majors shall be permitted, provided:
1) The two majors are in two different departments in the College of Liberal Arts and Sciences. (The departments of Humanities/Modern Languages and of Computer Science/Mathematics are joint departments and should, for purposes of interpreting this requirement, each be considered to be two separate departments); 2) The student has completed the major requirements and the complementary major requirements for each of his/her major fields; and 3) The individual who plans a double major must have a B+ (3.3) or better average and, after his/her freshman year, must consult with the CLAS Double Majors Coordinator — who, in cooperation with advisors from each of the two proposed major departments, will advise the double major candidate concerning the academic validity and utility of his/her proposed double major and help the double major candidate to plan, coordinate, and implement a program which interrelates (where possible) the two proposed major disciplines. For double major candidates, courses taken as complementary major requirements in one major department may be used to satisfy major requirements in the second major department.

Minor Programs

Any department within the College of Liberal Arts and Sciences may establish a formal minor program of 18 semester hours of course work, plus laboratory work associated with that course work, within that department (no more than 6-8 semester hours of which may consist of courses below the 200 level). A department's minor program shall be available to any student not majoring in that department. (The departments of Humanities/Modern Languages, Computer Science/Mathematics, and Communications/Journalism should each be considered to be two separate departments.) A minor program is optional for any student, and is not required for graduation. A student should consult as early as possible with his/her advisor, and with a member of the department in which he or she intends to minor, regarding minor requirements.

College of Liberal Arts and Sciences students may earn a minor in General Business Studies by completing all of the following five courses - MGT 110 (Introduction to Business), EC 281 (Principles of Economics - Micro), EC 282 (Principles of Economics - Macro), ACCT 211 (Principles of Accounting I), ACCT 212 (Principles of Accounting II); either of the following two courses - MATH 113 (Elementary Statistics), EC 291 (Introduction to Statistics I); and any three of the following five courses - CIS 211 (Introduction to Computer Information Systems), BLAW 213 (Legal Environment of Business), FIN 310* (Business Finance), MGT 310* (Principles of Management), MKT 310* (Principles of Marketing).

*300 Level SOM courses require Junior Standing.

Declaring A Major

Students normally select their major at the beginning of their sophomore year. Specialized, career-oriented major programs in certain fields may require an earlier beginning. In all instances students must receive the approval of their faculty advisor before they begin a major program.
# Bachelor of Arts (B.A.) Degree Requirements

All B.A. degree programs require successful completion of the following courses. Candidates for associates degrees, and transfer students who have more than 30 semester hours of college credit, see appropriate sections in this catalog.

1. **Freshman Integrated Studies Sequence** ................................................. 6 hours
   IS 111 and 112

2. **First-Year English Sequence** ............................................................... 6 hours
   a. ENG 101-102 for most students.
   b. Students notified by the English department are required to take ENG 001 and 002 (concurrently) or ENG 003; they must then take ENG 101-102 or ENG 102 only, depending upon individual proficiency.
   c. Upon the English Department’s invitation, entering students with high proficiency may be exempted from ENG 101 and enroll in ENG 103 (Advanced Freshman English), to be followed by ENG 102.

3. **Second-Year English Sequence** ........................................................... 6 hours
   ENG 213 and either ENG 214 or ENG 215

4. **Logic/Speech Sequence** ................................................................. 6 hours
   PHIL 113 and C.SP 103

5. **Introductory Mathematics Sequence** .................................................. 6 hours
   a. MATH 101 - MATH 103
   b. MATH 103 - MATH 105 (or MATH 105 - MATH 103)
   c. MATH 143 - MATH 161
   d. MATH 161 - MATH 162
   No student can receive credit for both MATH 101 and MATH 112 or for both MATH 105 and MATH 111.

6. **Foreign Language Sequence** .............................................................. 6 hours
   Two-semester sequence of French, German, Italian or Spanish, taken at any level (depends upon student competence, determined by Department of Humanities & Modern Languages).

7. **Humanities Requirement** ................................................................. 3 hours
   Choice of one of the following:
   C.SP 225
   ENG 113, 114, 123 or 124
   HUM 101, 102, 103, 111 or 112
   PHIL 115, 117, 118, 119, 124, 127
   WS 111
8. Natural Science Requirement ................................................................. 8 hours

Choice of one of the following two-semester sequences in sciences, including labs, intended primarily for non-science majors:

- BIO 101-102 and L101-L102
- BIO 101-SCI 253 and L101-SCI 599
- SCI 101-102 and L101-L102
- SCI 111-112 and L111-L112
- SCI 121-122 and L121-L122
- SCI 251-252 and L251-L252

or choice of one of the following two-semester sequences in sciences, including labs, intended primarily for science majors:

- BIO 101-114 and L101-L114
- CHEM 111-112 and L111-L112
- PHYS 111-112 and L111-L112*
- PHYS 151-152 and L151-L152*

(*Physics 111-112 (non-calculus) and Physics 151-152 (with calculus) are different mathematical treatments of introductory physics. A student is not allowed to take both.)

PHYS 112, L112 may replace PHYS 152, L152
SCI 102, L102 may replace PHYS 112, L112 or PHYS 152, L152

Note: The Natural science requirement can only be satisfied by completing any one of these two-semester course sequences in the order shown.

9. Social Science Requirement ................................................................. 9 hours

Education, Psychology or Sociology ......................................................... 3 hours

- ED 101, 102, 203, 204
- PSYCH 114

Note: Students taking only one psychology course must take PSYCH 114.

- SOC 113, 235, 253, 273, 283, 287
- WS113

Economics or Government ................................................................. 3 hours

- EC 101, 281, or 282
- GVT 111, 103, 261 or 274

History ......................................................................................................... 3 hours


10. Departmental Major Requirements ..................................................... 30-36 hours

(See specific requirements listed in Departmental sections of this catalog.)

11. Complementary Major Requirements

(See specific requirements listed in Departmental sections of this catalog.)

12. Minor Requirements and/or Free Electives to a total of ...................... 122 hours
Bachelor of Science (B.S.) Degree Requirements

All B.S. degree programs require successful completion of the following courses. Candidates for associates degrees, and transfer students who have more than 30 semester hours of college credit, see appropriate sections in this catalog.

1. Freshman Integrated Studies Sequence ................................................................. 6 hours
   IS 111 and 112

2. First-Year English Sequence .................................................................................. 6 hours
   a. ENG 101-102 for most students.
   b. Students notified by the English department are required to take ENG 001 and 002 (concurrently) or ENG 003; they must then take ENG 101-102 or ENG 102 only, depending upon individual proficiency.
   c. Upon the English Department's invitation, entering students with high proficiency may be exempted from ENG 101 and enroll in ENG 103 (Advanced Freshman English), to be followed by ENG 102.

3. Second-Year English Sequence ............................................................................. 6 hours
   ENG 213 and either ENG 214 or ENG 215

4. Logic/Speech Sequence ......................................................................................... 6 hours
   PHIL 113 and C.SP 103

5. Introductory Mathematics Sequence ................................................................... 6 hours
   a. MATH 101 - MATH 103
   b. MATH 103 - MATH 105 (or MATH 105 - MATH 103)
   c. MATH 143 - MATH 161
   d. MATH 161 - MATH 162
   No student can receive credit for both MATH 101 and MATH 112 or for both MATH 105 and MATH 111.

6. Humanities Requirement ....................................................................................... 9 hours
   No more than two of the three courses for this requirement may come from any one of the listed departments.
   C.SP 225
   ENG 113, 114, 123, 124
   Note: Majors in Dramatic Arts must take 113 and 114 in either order.
   Note: Students taking only 3 semester hours of their Humanities Requirement in English may choose any of the four courses. Students taking 6 semester hours of their Humanities Requirement in English must take 113 or 123 and either 114 or 124.
   FRENCH 209, 210, 211, 212, 311, 312
   HUM 101, 102, 103, 104, 111, 112
   Note: Students taking only 3 semester hours of their Humanities Requirement in Humanities may choose any course except 104. Students taking 6 semester hours of their Humanities Requirement in Humanities must take 101-102, 103-104 or 111-112. HUM 103 must be taken before 104.
   PHIL 115, 117, 118, 119, 124, 127
   Note: Students taking only 3 semester hours of their Humanities Requirement in Philosophy may choose any course from above. Students taking 6 semester hours of their Humanities Requirement in Philosophy must take one course from the list above plus any other Philosophy course except PHIL 113.
   SPAN 207, 208, 403, 404
   WS 111
7. Natural Science Requirement
Choice of one of the following two-semester sequences in sciences, including labs, intended primarily for non-science majors:

BIO 101-102 and L101-L102
BIO 101-SCI 253 and L101-SCI 599
SCI 101-102 and L101-L102
SCI 111-112 and L111-L112
SCI 121-122 and L121-L122
SCI 251-252 and L251-L252

or choice of one of the following two-semester sequences in sciences, including labs, intended primarily for science majors:

BIO 101-114 and L101-L114
CHEM 111-112 and L111-L112
PHYS 111-112 and L111-L112*
PHYS 151-152 and L151-L152*

(*Physics 111-112 (non-calculus) and Physics 151-152 (calculus) are different mathematical treatments of introductory physics. A student is not allowed to take both.)

PHYS 112, L112 may replace PHYS 152, L152
SCI 102, L102 may replace PHYS 112, L112 or PHYS 152, L152

Note: The Natural sciences requirement can only be satisfied by completing any one of these two-semester course sequences in the order shown.

8. Social Science Requirement
Education, Psychology or Sociology

ED 101, 102, 203, 204
Note: Students taking 6 semester hours in education must take both halves of ED 101-102 or ED 203-204

PSYCH 113, 114, 223, 224, 225, 243
Note: Students taking only one psychology course must take PSYCH 114. Students taking two courses in psychology may take PSYCH 113-114 in any order, but must take PSYCH 114 as a prerequisite to PSYCH 223, 224, 225 and 243.

SOC 113, 235, 253, 273, 283, 287
WS 113

Economics, Government, History

EC 101, 281, 282
Note: Students taking 6 semester hours in Economics must take both halves of EC 281-282.

GVT 111, 112, 103, 261, 274
Note: Prerequisite for GVT 112 is GVT 111.


9. Departmental Major Requirements
(See specific requirements listed in Departmental sections of this catalog.)

10. Complementary Major Requirements
(See specific requirements listed in Departmental sections of this catalog.)

11. Minor Requirements and/or Free Electives to a total of

122 hours
Associate In Arts/Associate In Science Degree Requirements

An Associate degree normally requires two years of academic work. It meets the needs of students who wish to have the undergraduate experience, but for whom a full four-year program is not a viable option. These students are in an excellent position to transfer to a four-year program, or to re-enter after an absence from college or after a change of educational objective.

To receive the A.A. or A.S. degree, a student must have completed 62 hours of course work, as indicated below:

**Associate in Arts (A.A.)**

1. Integrated Studies Sequence ................................................................. 6 hours
   IS 111-112

2. Freshman English Sequence ................................................................. 6 hours
   ENG 101-102
   Note: Exceptions to the ENG 101-102 sequence may be made. See Freshman English sequence under B.A. degree requirements.

3. Introductory Math Sequence ............................................................... 6 hours
   a. MATH 101 - MATH 103
   b. MATH 103 - MATH 105 (or MATH 105 - MATH 103)
   c. MATH 143 - MATH 161
   d. MATH 161 - MATH 162
   No student can receive credit for both MATH 101 and MATH 112 or for both MATH 105 and MATH 111.

4. Natural Science Requirement ............................................................... 8 hours
   See course listings under B.A. degree requirements. Natural science requirement is a two-semester science course sequence and accompanying labs in any one physical or life science.

5. Foreign Language Requirement .......................................................... 6 hours
   Any two-semester sequence in Spanish, Italian, French or German at any level. Proficiency for advanced language levels determined by the Department of Humanities and Modern Languages.

6. ENG 213 and either PHIL 113 or C.SP 103 ......................................... 6 hours

7. Social Science or Humanities Requirement .......................................... 6 hours
   One course each in the social sciences and the humanities. For course choices, see Humanities Requirement, and Social Science Requirement under B.A. Degree Requirements.

8. Major Courses or Free Electives ....................................................... 18 hours
   TOTAL ......................................................... 62 hours
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Integrated Studies Sequence</td>
<td>6</td>
</tr>
<tr>
<td>IS 111-112</td>
<td></td>
</tr>
<tr>
<td>2. Freshman English Sequence</td>
<td>6</td>
</tr>
<tr>
<td>ENG 101-102</td>
<td></td>
</tr>
<tr>
<td>Note: Exceptions to the ENG 101-102 sequence may be made. See Freshman English Sequence under B.S. degree requirements.</td>
<td></td>
</tr>
<tr>
<td>3. Introductory Math Sequence</td>
<td>6</td>
</tr>
<tr>
<td>a. MATH 101 - MATH 103</td>
<td></td>
</tr>
<tr>
<td>b. MATH 103 - MATH 105 (or MATH 105 - MATH 103)</td>
<td></td>
</tr>
<tr>
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<tr>
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<td></td>
</tr>
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<td>No student can receive credit for both MATH 101 and MATH 112 or for both MATH 105 and MATH 111.</td>
<td></td>
</tr>
<tr>
<td>4. Natural Science Requirement</td>
<td>8</td>
</tr>
<tr>
<td>See course listings under B.S. degree requirements. Natural science requirement is a two-semester science course sequence and accompanying labs in any one physical or life science.</td>
<td></td>
</tr>
<tr>
<td>5. ENG 213 and either PHIL 113 or C.SP 103</td>
<td>6</td>
</tr>
<tr>
<td>6. Social Science or Humanities Requirement</td>
<td>6</td>
</tr>
<tr>
<td>One course each in the social sciences and the humanities. For course choices, see Humanities Requirement section, or Social Science Requirement section, under B.S. Degree Requirements.</td>
<td></td>
</tr>
<tr>
<td>7. Major Courses or Free Electives</td>
<td>24</td>
</tr>
<tr>
<td>TOTAL</td>
<td>62</td>
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</tbody>
</table>
Associate in Arts/Associate in Science Degree Requirements
Transfer Students

To receive a degree of Associate in Arts or Associate in Science, a student who enters the College of Liberal Arts and Sciences with more than 30 hours of transfer credit must have completed courses totalling 62 semester hours, as follows:

**Associate in Arts (A.A.)**

1. First Year English Sequence ................................................................. 6 hours
   ENG 101-102
2. Math or Logic ...................................................................................... 3 hours
3. Social Science Requirement ................................................................. 6 hours
4. Humanities Requirement ..................................................................... 3 hours
5. Foreign Language Requirement ............................................................... 6 hours
   Any two-semester sequence in Spanish, Italian, French or German at any level. Proficiency for advanced language levels determined by the Department of Humanities and Modern Languages.
6. Natural Science Requirement .............................................................. 8 hours
7. ENG 213 and either PHIL 113 or C.SP 103 ........................................... 6 hours
   Note: PHIL 113 may only be taken if Logic was not used to satisfy Math or Logic requirement.
8. Major Courses or Free Electives ......................................................... 24 hours
   TOTAL .................................................................................. 62 hours

**Associate in Science (A.S.)**

1. First Year English Sequence ................................................................. 6 hours
   ENG 101-102
2. Math or Logic Requirement ................................................................. 3 hours
3. Social Science Requirement ................................................................. 6 hours
4. Humanities Requirement ..................................................................... 3 hours
5. Natural Science Requirement .............................................................. 8 hours
6. ENG 213 and either PHIL 113 or C.SP 103 ........................................... 6 hours
   Note: PHIL 113 may only be taken if Logic was not used to satisfy Math or Logic requirement.
7. Major Courses or Free Electives ......................................................... 30 hours
   TOTAL .................................................................................. 62 hours
Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) Degree Requirements

Transfer Students

To receive a Bachelor of Arts (B.A.) degree or a Bachelor of Science (B.S.) degree, a student entering the College of Liberal Arts and Sciences with more than 30 semester hours of transfer credit must have completed courses totalling 122 semester hours, distributed according to the following requirements:

[Although it is strongly recommended that transfer students take Designated Courses to satisfy their All-College requirements, it is not mandatory.]

1. A Two-Semester First-Year English Sequence ......................................................... 6 hours
2. A Two-Semester Second-Year English Sequence ..................................................... 6 hours
3. One Course in Mathematics (except MATH 101) or Logic .................................... 3 hours
4. One Course in Speech ................................................................................................ 3 hours
5. Foreign Language Sequence (B.A. Only)................................................................. 6 hours
   A two-semester sequence in Spanish, French or German, taken at any level.
   Language proficiency for advanced levels determined by the Department of
   Humanities and Modern Languages.
6. Humanities Requirement (B.A. Only)..................................................................... 6 hours
   Two Humanities Requirement courses in English, Modern Languages
   (advanced level), Humanities, Philosophy or Performing Arts.
7. Humanities Requirement (B.S. Only)...................................................................... 12 hours
   Four Humanities Requirement courses in English, Modern Languages
   (advanced level), Humanities, Philosophy or Performing Arts. Not more
   than 6 hours in any one department.
8. Natural Science Requirement.................................................................................... 8 hours
   A two-semester Natural Science sequence consisting of two courses, with
   labs, in any one Physical or Life Science.
9. Social Science Requirement...................................................................................... 12 hours
   Four Social Sciences courses, distributed as follows:
   B.A. degrees: must include one from each of the following groups:
   a. Education, Psychology, Sociology
   b. Economics, Government
   c. History
   B.S. degrees: must include two from each of the following groups:
   a. Education, Psychology, Sociology
   b. Government, Economics, History
10. Major Courses ........................................................................................................... 30-36 hours
11. Minor and/or Complementary Major Requirements
    (See minor/complementary requirements in Departmental sections
    of this catalog.)
    and/or:
12. Free Electives, to an Overall Total of ................................................................. 122 hours
Evening Division

History
Suffolk University was one of the first institutions of higher education in the Boston area at which students could earn the bachelor's degree entirely through evening study. In keeping with this tradition, the Evening Division provides an opportunity for qualified men and women to obtain a college education while working days to support themselves and their families.

General Information
Students should refer to the appropriate sections of the catalog for detailed information on Admission, Registration, Transfer Credit, Course Credit, Auditing, Finances and Student Aid.

A maximum of eight years is the normal limit for completion of part time or interrupted degree programs on the undergraduate level. Work for the master's degree must be completed within five years after graduate course work has started.

The academic year consists of 32 weeks, divided into 2 semesters. Evening courses meet one evening a week. Courses meeting once a week meet for a double period, usually from 4:30 to 7:10 p.m., 5:30 to 8:10 p.m., or from 7:15 to 9:55 p.m. Saturday classes meet for a double period and run from 9:00 to 11:40 a.m. or from 12:00 to 2:40 p.m. Graduate courses normally meet one evening a week or on Saturday. Most courses carry three semester hours of credit.

The length of time required to earn a bachelor's degree varies with the number of courses carried and with the acceleration of course work by attending the evening summer session. By taking a moderate load of two courses each semester and during the summer, a student can earn 18 semester hours per year and complete the degree in six and one-half to seven years.

By carrying three courses each semester and two in the summer, a student can earn 24 semester hours per year and complete the degree in five years.

Students employed full time will find it difficult to carry more than two or three courses in a given semester. All programs must be approved by faculty advisors. A minimum of five hours per week should be allowed for homework in each course. Advanced courses and laboratory courses may entail considerably more time.

All evening courses are the full equivalent of courses offered during the daytime. Consequently, day and evening courses are interchangeable, academic standards are the same, and students in good standing may transfer from the Evening Division to the Day Division, provided space is available and vice versa. Day and evening students are considered a single student body with respect to both standards and status.
Faculty members have been selected for their professional background, teaching ability, and broad experience. Most are full-time teachers at Suffolk University who teach one or two evening courses as part of their normal teaching load. In addition, visiting lecturers are drawn from industry or from the day faculties of neighboring Universities. They provide a high quality of instruction and believe in the importance and value of providing continuing higher education for adults.

Curricula are designed to meet the professional needs of the industrial, educational, and governmental complex of New England. After completing basic required courses, students select a major field for advanced study and may earn the baccalaureate degree. A variety of majors are available within the broad areas of liberal arts, sciences, social science, management, education and journalism. The master’s degree is awarded in education and human services and degree programs are available from the School of Management in management, and public administration.

Degrees and Major Fields of Study
The degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Science in Journalism, and Bachelor of Science in General Studies are offered in the College of Liberal Arts and Sciences.

While many majors can be completed exclusively during the evening, others may require mixing some day and evening offerings to satisfy all the degree requirements.

After completing basic requirements evenings, students can complete advanced courses in their specialized majors days during their junior and senior years on either a part-time or full-time basis. Some companies grant employees released time for this purpose.
Bachelor of Science in General Studies (B.S.G.S.)
Normally Available Evenings Only

The Bachelor of Science in General Studies degree is a special liberal arts program designed to make available to evening students a wider range of major subjects than is presently possible in the evening B.A. and B.S. programs.

NOTE: Students electing to major in General Studies must first obtain permission to do so from the Office of the Dean, College of Liberal Arts and Sciences.

1. Freshman Integrated Studies Sequence ........................................... 6 hours
   IS 111 and 112

2. First-Year English Sequence ..................................................... 6 hours
   ENG 101-102 for most students.

3. Second-Year English Sequence .................................................. 6 hours
   ENG 213 and either ENG 214 or ENG 215

4. Logic/Speech Sequence ........................................................... 6 hours
   PHIL 113 and C.SP 103

5. Introductory Mathematics Sequence .......................................... 6 hours
   a. MATH 101 - MATH 103
   b. MATH 103 - MATH 105 (or MATH 105 - MATH 103)
   c. MATH 143 - MATH 161
   d. MATH 161 - MATH 162
   No student can receive credit for both MATH 101 and MATH 112 or for both MATH 105 and MATH 111.

6. Humanities Requirement ......................................................... 9 hours
   No more than two of the three courses for this requirement may come from any one of the listed departments.

   ENG 113, 114, 123, 124
   Note: Students taking only 3 semester hours of their Humanities Requirement in English may choose any of the four courses. Students taking 6 semester hours of their Humanities Requirement in English must take 113 or 123 and either 114 or 124.

   FRENCH 209, 210, 211, 212, 311, 312
   HUM 101, 102, 103, 104, 111, 112
   Note: Students taking only 3 semester hours of their Humanities Requirement in Humanities may choose any course except 104. Students taking 6 semester hours of their Humanities Requirement in Humanities must take 101-102, 103-104 or 111-112. HUM 103 must be taken before 104.

   PHIL 115, 117, 118, 119, 124, 127
   Note: Students taking only 3 semester hours of their Humanities Requirement in Philosophy may choose any course from above. Students taking 6 semester hours of their Humanities Requirement in Philosophy must take one course from the list above plus any other Philosophy course except PHIL 113.

   SPAN 207, 208, 403, 404
   WS 111
7. Natural Science Requirement ................................................................. 8 hours
   Choice of one of the following two-semester sequences in sciences, including labs, intended primarily for non-science majors:
   BIO 101-102 and L101-L102
   BIO 101-SCI 253 and L101-SCI 599
   SCI 101-102 and L101-L102
   SCI 111-112 and L111-L112
   SCI 121-122 and L121-L122
   SCI 251-252 and L251-L252
   or choice of one of the following two-semester sequences in sciences, including labs, intended primarily for science majors:
   BIO 101-114 and L101-L114
   CHEM 111-112 and L111-L112
   PHYS 111-112 and L111-L112*
   PHYS 151-152 and L151-L152*
   (*Physics 111-112 (non-calculus) and Physics 151-152 (with calculus) are different mathematical treatments of introductory physics. A student is not allowed to take both.)
   PHYS 112, L112 may replace PHYS 152, L152
   SCI 102, L102 may replace PHYS 112, L112 or PHYS 152, L152
   Note: The Natural sciences requirement can only be satisfied by completing any one of these two-semester course sequences in the order shown.

8. Social Science Requirement ................................................................. 9 hours
   Education, Psychology or Sociology ................................................... 3/6 hours
   ED 101, 102, 203, 204
   Note: Students taking 6 semester hours in education must take both halves of ED 101-102 or ED 203-204.
   PSYCH 113, 114, 223, 224, 225, 243
   Note: Students taking only one psychology course must take PSYCH 114. Students taking two courses in psychology may take PSYCH 113-114 in any order, but must take PSYCH 114 as a prerequisite to PSYCH 223, 224, 225 and 243.
   SOC 113, 235, 253, 273, 283, 287
   WS 113
   Economics, Government, History ....................................................... 3/6 hours
   EC 101, 281, 282
   Note: Students taking 6 semester hours in economics must take EC 281-282.
   GVT 111, 112, 103, 261, 274
   Note: Prerequisite for GVT 112 is GVT 111.
9. Interdepartmental Major Requirements .......................................................... 42 hours
   Selection of courses from only one of the following College of Liberal Arts and Sciences Divisions:
   a. Humanities (Communications and Journalism, English, Humanities and Modern Languages, Philosophy)
   b. Social Sciences (Economics, Education and Human Services, Government, History, Psychology, Sociology)
   c. Life Sciences (Biology, Chemistry)
   d. Physical Sciences (Chemistry, Computer Science, Engineering, Mathematics, Physics)

10. Minor Requirements and/or Free Electives Total.......................................... 122 hours

EDSA
Evening Division Student Association is the student government body which represents all evening and/or part-time students who are, by definition, members of this Association. The voting EDSA Executive Board is comprised of fifteen individuals who are elected by the Association each April and throughout the academic year. The EDSA budget is comprised of the $5.00 activity fee per semester which is used to provide EDSA’s constituents with activities and services designed to improve the quality of life at Suffolk. Those interested in becoming voting members or learning more about EDSA should direct correspondence to the Sawyer mailroom, Box 11.

Scholastic Honors
Recognition Night Each Spring the Evening Division Student Association in conjunction with the Student Activities Office sponsors a dinner dance and awards ceremony to recognize part-time undergraduate and graduate students for outstanding academic achievement. At this annual celebration part-time students are honored for their scholarship, merit and extra-curricular performance. Further information is available in the Student Activities Office.

Alpha Sigma Lambda The purpose of Alpha Sigma Lambda, Chapter Alpha Psi, is the advancement and recognition of scholarship among evening students. Membership is restricted to undergraduates who have completed a minimum of thirty semester hours of evening course work at Suffolk University, which must include at least fifteen semester hours outside the student’s major field. Students must have been in attendance at a recognized college or university a minimum of four semesters. Chapter Alpha Psi presently limits membership to juniors and seniors. Members shall be elected only from the highest ten percent of the class in scholarship, provided, however, that the grade point average is not below 3.2.
Summer Session

General Information
Summer provides an opportunity for study, whether for pleasure, acceleration, or remedial purposes. Suffolk University’s quiet, air-conditioned buildings offer ideal conditions for summer study, and at the same time, easy access to Boston’s historic, cultural and recreational activities for leisure hours. There are fewer students than during the rest of the year, classes are smaller, and contacts between faculty and students are informal. The atmosphere is conducive to stimulating discussion and quiet reflection. Recreational and cultural activities available in the Boston area range from community sailing on the Charles River to the Boston Pops.

Day Sessions The Day Sessions are unique in that they combine a four-day week with two sessions of approximately six weeks length. Not only do students have great flexibility of choice, but they also have three-day weekends for study or relaxation. Day courses will normally meet four days per week, Monday through Thursday.

Day students normally carry two courses per term, and may attend either or both sessions. However, students whose average is 2.5 or better may carry a third course each term, thereby readily completing a full semester’s work during the summer.

Evening Sessions The Evening Summer Session consists of two sessions of approximately seven weeks length and special short courses and institutes (particularly in Education). Evening students normally take one or two courses, but may take a third course if their employment schedule is not too demanding. The seven-week evening classes normally meet two evenings per week, Monday and Wednesday, or Tuesday and Thursday.

The purpose of the Summer Program is to provide undergraduate and graduate instruction for:

- Suffolk University students who wish to accelerate their degree programs.
- New students entering degree programs.
- Students who need to repeat courses.
- Special students from other colleges who wish to take credit courses for transfer.
- Teachers who want to strengthen their professional background.
- Individuals who want to continue their education.

Admission
Students attending Suffolk University Summer Session may enroll in a Regular Degree Program, or as non-degree Continuing and Professional Studies (CAPS) students. Applicants should read the section on Admission in this catalog.

NOTE: Admission to the summer session as a non-degree student does not constitute admission to degree candidacy. Non-degree (CAPS) students who were admitted to the summer session only and who wish to continue their studies in the following term must make formal petition to do so.
Undergraduate Programs

Airway Science

Professor: Sullivan, Coordinator of Aviation Programs

Airway Science: Interdepartmental Bachelor’s Degree Programs

The Departments of Mathematics and Computer Science, Physics, and Sociology jointly offer two major programs which are based on guidelines published by the Airway Science Curriculum Task Force of the Federal Aviation Administration (FAA). These programs are fully approved and accredited by the FAA and the University Aviation Association (UAA). They include an extensive block of courses in a scientific discipline (equivalent to a major), a block of Sociology courses which deal with human factors in aviation, and a block of courses which establish basic organizational and administrative principles. Graduates of these programs are qualified to fill positions such as Computer Specialist, Electronics Technician, and Air Traffic Control Specialist in the FAA, as well as similar positions in the aviation and aerospace industry. Accreditation by the FAA and UAA assures graduates of high rankings on Federal employment lists.

Airway Science Curriculum Core

Major Core Requirements

- Freshman English I and II 6 hrs
- Literary Masters I and II 6
- Principles of Economics-Micro 3
- Principles of Economics-Macro 3
- Integrated Studies 6
- Humanities 3
- Communications & Speech 103 3

30 hrs

Math/Science/Technology

- Calculus I and II 6 hrs
- University Physics and Lab 8
- Calculus III and IV 6
- Probability and Statistics 6
  (Airway Computer Science only)
- Ordinary Differential Equations 3
  (Airway Electronics only)

- Airway Computer, 26
- Airway Electronic, 23

Computer Science

- Computer Science I and II 6 hrs
- Soc. Science F213 Computer Applications in Social Science 3 hrs

9 hrs

Management

- Principles of Management MGT 310 3 hrs
- Personnel Administration MGT 313 3
- Principles of Accounting ACT 211 3
- Principles of Accounting ACT 212 3

12 hrs
### Aviation

- Intro. to Aviation Systems  **SOC 287**  3 hrs
- Legal Forces and Aviation Systems  **SOC 388**  3
- Human Factors in Aviation Systems  **SOC 386**  3
- Seminar in Sociology of Aviation  **SOC 387**  3

**Total:** 12 hrs

### Airway Computer Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Core Total</td>
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### Airway Electronics Systems Major

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<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Electronics Laboratory  <strong>ENGNR L204</strong></td>
<td>2 hrs</td>
</tr>
<tr>
<td>Mathematical Methods for Engineers  <strong>ENGNR 325</strong></td>
<td>3</td>
</tr>
<tr>
<td>Intro. to Microprocessors  <strong>PHY 351</strong></td>
<td>4</td>
</tr>
<tr>
<td>Programming Option</td>
<td>3</td>
</tr>
<tr>
<td>Electronic Devices  <strong>ENGNR 206</strong></td>
<td>4</td>
</tr>
<tr>
<td>Applied Circuit Theory  <strong>ENGNR 205</strong></td>
<td>4</td>
</tr>
<tr>
<td>Engineering Computer Graphics  <strong>ENGNR 386</strong></td>
<td>3</td>
</tr>
<tr>
<td>Engineering Electricity and Magnetism  <strong>ENGNR 403</strong></td>
<td>3</td>
</tr>
<tr>
<td>Digital Electronics  <strong>PHY 303</strong></td>
<td>4</td>
</tr>
<tr>
<td>Signals and Control Systems  <strong>ENGNR 335</strong></td>
<td>3</td>
</tr>
<tr>
<td>Electrical Power and Transmission  <strong>ENGNR 425</strong></td>
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</tr>
<tr>
<td>Microprocessor Interfacing  <strong>PHY 352</strong></td>
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**Total:** 40 hrs

### Airway Computer Science Major

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<tbody>
<tr>
<td>Introduction to Microprocessors</td>
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<tr>
<td>Discrete Mathematics I</td>
<td>3</td>
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<tr>
<td>Discrete Mathematics II</td>
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</tr>
<tr>
<td>Programming Laboratory in C</td>
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<tr>
<td>Programming Laboratory in LISP</td>
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<tr>
<td>PROLOG and Expert Systems</td>
<td>3</td>
</tr>
<tr>
<td>Assembly Language and Computer Structure</td>
<td>3</td>
</tr>
<tr>
<td>File Processing</td>
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<tr>
<td>Data Structures and Algorithms</td>
<td>3</td>
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<tr>
<td>Organization of Programming Languages</td>
<td>3</td>
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<tr>
<td>Architecture of Computer Systems</td>
<td>3</td>
</tr>
<tr>
<td>Operating Systems</td>
<td>3</td>
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<tr>
<td>Operating Systems Laboratory</td>
<td>1</td>
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<tr>
<td>Introduction to Computer Graphics</td>
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**Total:** 37 hrs

### Airway Computer Science

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### Airway Electronics Systems

<table>
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**Total:** 126 hrs
Department of Humanities and Modern Languages

Professors: Chiasson, Hastings, Mendez-Herrera, Weitz (Chairperson)
Associate Professors: Hourtienne, Parks
Assistant Professor: Webbe
Lecturers: Clark, Gykamp, Fillett, Passanisi
Professors Emeriti: Boudreau, Fang, Fehr, Goodrich, Petherick.

Humanities 105 — Art Studio Workshop. A course that provides a place in which students can work in a variety of mediums, in response to their needs and interests, under the supervision of Art Studio faculty. Discussion of the use of materials (painting, drawing, sculpting), and exchange of ideas with other students. 1 term — 3 semester hours. Offered yearly. Cost of materials to be borne by students.

Humanities 106 — Art Studio Advanced Workshop. A course in which students can work on individual projects in a variety of mediums under supervision of Art Studio faculty. Constructive assistance provided for creative efforts in painting, drawing, sculpting in wood, paper or other materials. 1 term — 3 semester hours. Offered yearly. Cost of materials to be borne by students.

Humanities 107 — Art Appreciation. A beginning course in understanding the visual arts. A study of the various elements that make up a work of art. 1 term — 3 semester hours. Offered yearly.

Humanities 109-110 — Introduction to the Arts. An introductory course for students with little or no previous experience in Art. The student will be instructed in the various techniques and media — drawing, painting, sculpting, etc. — in order to appreciate more fully the problems artists confront. In the course of the semester, the student will execute several basic studio problems. This course may be taken as a continuation of Humanities 109 or independently. 1 term — 6 semester hours. Normally offered yearly. Cost of materials to be borne by students.

Humanities 113 — Introduction to Commercial Art, I. Elements of composition, design, layout, color, graphics, with a view toward commercial applications in advertising and related fields. 1 term — 3 semester hours. Offered in alternate years. Cost of materials to be borne by students.

Humanities 114 — Introduction to Commercial Art, II. Under the supervision of Art Studio faculty, students will execute several assigned projects typical of those required in commercial applications of art. Discussions of effective use of art in advertising and related fields. 1 term — 3 semester hours. Offered in alternate years. Cost of materials to be borne by students.

Humanities 115 — Photography I. Basic photography for the beginner; mechanics of lenses; film characteristics; dark room operations; picture making; composition. During the second half of this practical course students will accompany the instructor on film-shooting trips in the Boston area. 1 term — 3 semester hours. Normally offered every summer. Cost of materials to be borne by students.

Humanities 116 — Photography II. Advanced techniques of picture-making: the modern camera and its accessories. Film-shooting trips to nearby areas. Specialty photography according to the student's interest. 1 term — 3 semester hours. Normally offered every summer. Cost of materials to be borne by students.

Humanities 117 — Drawing: Boston Sketchbook. An introductory experience in drawing and sketching. Elements of design, composition, perspective, taught in the Art Studio. Sketching trips through Boston and nearby locales, followed by critiques and revisions in the studio. Students will produce their own sketchbook of Boston. Some previous experience helpful but not necessary. 1 term — 3 semester hours. Normally offered every other summer.

(In the future art courses will subsequently be numbered Art 101, etc., like language courses, to distinguish them from Humanities courses, which they are not). Refer to the Schedule of Classes for the correct designation.
**Humanities 207 — Design Basics, I.** An exploration of the fundamental principles of design as they relate to drawing, graphic arts and painting. A variety of approaches and mediums will be used. *1 term — 3 semester hours. Offered yearly. Cost of materials to be borne by students.*

**Humanities 208 — Design Basics, II.** A continuation of Humanities 207. *1 term — 3 semester hours. Cost of materials to be borne by students.*

**Humanities 209 — Drawing.** Introduction to the basic principles of drawing: a study of perspective and three-dimensional form. *1 term — 3 semester hours. Normally offered yearly. Cost of materials to be borne by students.*

**Humanities 210 — Drawing.** Introduction to the basic principles of drawing, including the study of perspective and three-dimensional form. This course may be taken as a continuation of Humanities 209 or independently. *1 term — 3 credit hours. Normally offered yearly. Cost of materials to be borne by students.*

**Humanities 211 — Oil Painting.** This course is designed to aid students with little or no knowledge of the use of oil paints. Creative work will be encouraged. *1 term — 3 semester hours. Normally offered yearly. Cost of materials to be borne by students.*

**Humanities 212 — Oil Painting.** An introductory course designed for students with little or no knowledge of the use of oil paints. Creative work will be encouraged. This course may be taken as a continuation of Humanities 211 or independently. *1 term — 3 credit hours. Normally offered yearly. Cost of material to be borne by students.*

**Humanities 215 — Silk-screen Printing.** An introduction to basic silk-screen techniques with emphasis on developing skills in the use of color and design. *1 term — 3 semester hours. Offered yearly. Cost of materials to be borne by students.*

**Humanities 216 — Silk-screen Printing.** An introduction to basic silk-screen techniques with emphasis on developing skills in the use of color and design. This course may be taken as a continuation of Humanities 215 or independently. *1 term — 3 credit hours. Offered yearly. Cost of materials to be borne by students.*
All Biology courses must be taken with their respective laboratories unless otherwise noted or waived by written permission of the Biology Department Chairperson.

Department of Biology

Professors: Snow, West (Chairperson)
Associate Professors: DiLiddo, Howe, Mulcahy
Assistant Professor: Burn
Technician: TBA

Biology majors may obtain a Bachelor of Science or Bachelor of Arts degree in Biology either by specializing in one of seven programs (Medical Technology, Cytotechnology, Environmental Technology, Biotechnology, Computer Science, Marine Science, Secondary Education) or by following more flexible course offerings.

The Department of Biology administers the Life Studies major (see below). Additionally, a joint administrative Life Studies and Computer Science Applications Program is available. Students deciding on a special program should do so during their Freshman year and in consultation with the Freshman Advisor.

To earn a bachelor's degree in Biology requires the satisfactory completion of 1) prescribed courses in the major and related electives with a minimum grade point average 2.0, 2) general requirements in the College of Liberal Arts and Sciences and 3) free electives.

Transfer students wishing to major in Biology must complete a minimum of 12 semester hours in Biology at Suffolk University with a minimum grade point average of 2.8. An Evening Division student who chooses to major in Biology must plan a course of studies with the Chairperson of the Department as few Biology courses are offered in the evening.

Courses listed for graduate credit may be applied to the Ed.M. degree at Suffolk University, subject to the approval of the Chairperson of the Department of Education. Students who wish to transfer graduate credit to another institution should obtain the prior approval of their dean. Some courses may qualify for graduate credit with the approval of the instructor and the Chairperson of Biology.

Biology Program

A Biology major must take 30 semester hours (excluding laboratories) in Biology and designated related science and math courses in addition to the all-college requirements. Observe the core requirements listed below for completing the major in Biology.

Each Biology major will be advised in the selection of courses in accordance with their objectives. Students who demonstrate outstanding proficiency in Biology may be invited to participate in the Biology Honors Program, H419.

Core Requirements:

Biology 101-114, L101-L114; 203; 224, L224; 223, L223 or 285, L285; 274, L274; 304, L304; 333, L333; 379 or 409 or H419.
Physics 111-112, L111-L112 or 151-152, L151-L152.
Mathematics 143-161 or **161-162.
*Chemistry 314, L314 may be substituted for 212, L212 in the Medical Technology or Environmental Technology programs upon written approval of the Chairperson of Biology. **(preferred)
Suffolk University

Life Studies Major
The Department of Biology administers the Life Studies major. The requirements are 30 semester hours of Biology courses in an approved program of studies, including Biology 409; an area of concentration with a minimum of 12 semester hours in a non-science discipline and, a two-semester sequence in a non-biological science. The requirements for the Bachelor of Arts degree must be fulfilled. Note: The Life Studies major is not intended to fulfill the prerequisites of a graduate or professional program requiring a major in Biology.

Biology Minor Biology 101-102 or 114, L101-L102 or L114 (Principles of Biology I, II or General Biology [Zoology], and labs; then, preferably in the order listed: Biology 203 (Scientific Writing in Biology), Biology 274, L274 (Genetics and lab), Biology 333, L333 (Ecology and lab), Biology 409 (Biology Seminar), Biology elective (to complete 18 semester hours of course work).

The All-College science requirement may be met in Biology in the following manner:
Biology: Biology 101, L101 and 102, L102 or 114, L114 or Science 253 (Principles of Biology I and II or General Biology [Zoology] or Introduction to Marine Studies). Biology 101, L101 is a prerequisite for Biology 102, L102, 114, L114 and Science 253.

Honors in Biology The Biology Honors Program (Biology H419) provides recognition to a graduating senior Biology major who has demonstrated academic excellence and the potential for contributing to and profiting from a research experience.

Beta Beta Beta Biological Society
The Chi Kappa Chapter at Suffolk University was chartered on October 10, 1978. Beta Beta Beta is an honor and professional society primarily for students of the biological sciences. Its goals include promoting student research, publication and exposure to current biological scholarship and career possibilities. Active membership is offered to majors in the biological sciences who have completed at least one term of the sophomore year (including three biology courses) with a 3.00 average in biology and an overall average of 2.70. Associate membership is open to any interested undergraduate.

Robert S. Friedman Field Station
The Robert S. Friedman Field Station of Suffolk University is located at Cobscook Bay in Edmunds, Maine. Cobscook Bay is a part of the lower Bay of Fundy system and is noted for its great tidal fluctuation and its abundance of boreal coastal marine life. The laboratory is a 40-acre camping field station accommodating approximately 50 persons in residence. Student, faculty and staff housing is in wooden tents requiring sleeping bags. A central Comfort Station provides shower and laboratory facilities. Meals are prepared by a kitchen staff and are served in a dining facility. Classroom and laboratory facilities support the instructional program, supplemented by a circulating seawater system and collecting boats. The station is operated seasonally with a full summer offering a course and yearly for special course-related field studies.

Department of Biology Affiliations
The Department of Biology maintains several affiliations in support of its programs and general educational interests:
Battelle-Columbus Laboratories, Duxbury, Massachusetts
Cambridge City Hospital School of Medical Technology
Massachusetts Bay Marine Studies Consortium, Inc.
Massachusetts Marine Educators, Inc.
New England Aquarium
Newton-Wellesley Hospital School of Medical Technology
National Marine Fisheries Service
United States Fish and Wildlife Service
Bachelor of Arts or Bachelor of Science in Biology
(122 Semester Hours)

Freshman

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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<tr>
<td>Biology 101-114, L101-L114</td>
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<tr>
<td>Chemistry 111-112, L111-L112</td>
<td>8</td>
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<tr>
<td>Mathematics 161-162 or 143</td>
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<td>English 101-102</td>
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<td>Integrated Studies 111-112</td>
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Sophomore

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<td>Biology 203</td>
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<tr>
<td>Chemistry 211-212, L211-L212</td>
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<tr>
<td>English 213, Sequence</td>
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<td>Communications and Speech 103</td>
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<td>Philosophy 113</td>
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Junior

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<th>Sem. Hrs.</th>
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<tr>
<td>Biology 223, L223 or 285, L285; 333, L333</td>
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<tr>
<td>Physics 111-112, L111-L112 or 151-152, L151-L152</td>
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<tr>
<td>Humanities Requirement</td>
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<tr>
<td>Electives</td>
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Senior

<table>
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<th>Course</th>
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<tr>
<td>Biology 304, L304</td>
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<td>Major and/or Program Electives</td>
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<td>Biology 409 or equivalent</td>
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<td>Humanities Requirement</td>
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<tr>
<td>Social Science Requirement</td>
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<tr>
<td>Electives and/or labs</td>
<td>8</td>
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</tbody>
</table>

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Special Biology Program Options:

Through the planned selection of required, major course options and the judicious use of elective credits, special program requirements may be completed within the Biology major curriculum. There are seven such programs currently certified within the major and their special requirements are identified below.

Biotechnology Program
(122 Semester Hours*)

*A 61 semester hour track exists in this program leading to an Associate in Science degree.

A Bachelor of Science or Bachelor of Arts degree program in biotechnology requires a concentration in molecular and microbiological principles in biology. Students are encouraged to seek relevant industrial experience during the summer between the sophomore and junior year and to use the Biology Seminar as the reporting forum. The student should consult with the Program Coordinator early in their academic career to determine available placements and to obtain counseling regarding appropriate courses for the program.

The program requires the completion of all Biology core requirements, including Biology 285, L285; 377, L377 and 379 with electives to be chosen from the following: Biology 223 (L223); 273; 385 (L385); 474 (L474); 475 (L475).

Upon satisfactory completion of the prescribed curriculum, students are eligible to receive the degree of Bachelor of Science or Bachelor of Arts with a major in Biology from Suffolk University. An Associate in Science degree is available in this program by completing a special two-year sequence of courses and the inclusion of a directed work experience in an approved private or governmental research facility doing work in an area of genetic engineering. Consult with the Biotechnology Program Coordinator for more and specific information.
Biology/Computer Science Program
(122 Semester Hours)
The Biology/Computer Science Program requires the completion of a minor in the Computer Science section of this catalog. The Biology major requirements for the Bachelor of Science or the Bachelor of Arts and the Life Studies requirements in the Bachelor of Arts curricula remain the same. The courses for the Computer Science minor will be taken in lieu of electives within the degree options.

Biology/Secondary Education Program*
(126 Semester Hours)
The Department of Biology collaborates with the Department of Education to provide a full major in Biology with a concentration in Secondary Education.

A student may qualify for a teaching certificate in Biology, Grades 9-12, upon the satisfactory completion of 36 semester hours of Biology credits (core and related courses) and 30 semester hours of required Education courses: Education 203, 204, 443-444, 446 and 500. In addition, a Biology major may qualify for a teaching certificate in Mathematics & Science, grades 9-12 and/or General Science, grades 9-12.

A student interested in seeking a secondary school teaching certificate in Biology and/or Mathematics & Science, and/or General Science, with a concentration in Biology, must consult the Biology/Secondary Education Program Coordinator. The Program Coordinator will assist the student in the selection of courses necessary to meet the specific requirements of each program.

*An individual completing the requirements of the Biology/Secondary Education program will be eligible for certification as a secondary teacher of Biology (9-12) in the Commonwealth of Massachusetts.

Biology/Marine Science Program
(122 Semester hours)
Field-Related Program in Marine Science

The Marine Science Program introduces students to marine studies while maintaining the rigor and career flexibility of a traditional biology major. A distinguishing feature of the program is the completion of five field courses in marine sciences, with two of the courses in non-biology disciplines (e.g., coastal geology, marine geology, marine chemistry, physical oceanography). The three biology field courses may be used in partial fulfillment of the 30 semester hour requirement of the major in Biology. All college requirements of the Bachelor of Science or Bachelor of Arts apply.

Courses which have been accredited for this program are Biology 253, L253; 254, L254; 355, L355; and Science 251-252, L251-L252. Special marine science course offerings may be found in the regular summer offerings at the Friedman Field Station.

Students in the Marine Science Program are strongly urged to include special field courses, such as those in the winter-term Tropical Marine Ecology program, and in the summer program offerings at the Friedman Field Station at Edmunds, Maine.
Cytotechnology Program  
(122-128 Semester Hours)

Through an agreement with an accredited school of cytotechnology, students prepare for the Registry Examination in Cytotechnology in order to qualify as a professional Cytotechnologist. Students spend the first three or four years fulfilling the requirements of a Biology major which include the prerequisite courses needed to enter a school of cytotechnology. Biology 285, L285 is a designated core course requirement. In the 3-year pre-training program, 7 semester hours of the hospital credits may be used in lieu of the Biology electives and the Social Science and Humanities requirements have been reduced to 6 semester hours each. The 4-year program requires the completion of all requirements.

Upon satisfactory completion of course work and the hospital-associated laboratory training, the student will receive the Bachelor of Science degree from Suffolk University. The student is then eligible to take the qualifying examination and upon certification embark upon a health science career as a professional Cytotechnologist, concerned with cancer detection and identification.

Medical Technology Program  
(122-128 Semester Hours)

Suffolk University has entered into affiliations with the Newton-Wellesley Hospital and the Cambridge Hospital in order to offer the bachelor’s degree with a major in Biology and a program in Medical Technology. Other schools of Medical Technology may qualify for the internship year if approved by the Coordinator of Medical Technology. The program consists of a minimum of three years of day study in the Liberal Arts and Sciences at Suffolk University and a final year (minimum of 30 semester hours) of technology at an approved hospital school of Medical Technology.

A student may elect to follow the program at the University in four years and a fifth year at a hospital school. The clinical year is of 12 months duration and normally starts in August. Instruction is given in the laboratories of the hospital by their staff. Students must apply to the hospital school upon registering for their fifth semester and must be enrolled in Biology 379 at this time. Application to the hospital schools is highly competitive. Acceptance is determined solely by the selecting hospital.

Upon satisfactory completion of the prescribed curriculum (Science 570-Medical Technology), students are eligible to receive a certificate in Medical Technology from the affiliated hospital and the degree of Bachelor of Science in Biology from Suffolk University. Biology 285, L285 is a designated core course requirement. In the 3-year pre-training program, 7 semester hours of the hospital credits may be used in lieu of Biology electives and the Social Science and Humanities requirements have been reduced to 6 semester hours each. The 4-year program requires the completion of all requirements.

The program fully qualifies a student to pursue the many career, graduate and professional school opportunities open to the recipient of a Bachelor’s degree in Biology and to seek certification as a Medical Technologist (MT, ASCP). Certification is through examination by a certifying agency such as the Board of Registry (American Society of Clinical Pathologists) and the National Certification Agency for Medical Laboratory Personnel (NCA).
Most hospital schools require students enrolled in the Medical Technology Program to have their transcripts evaluated by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) before entering the clinical phase of their program.

The Program is under the joint direction of the Medical Technology Coordinator of the Suffolk University Department of Biology, the Director of the Newton-Wellesley Hospital School of Medical Technology and the Director of the Medical Technology Program of the Cambridge Hospital.

**Environmental Technology Program**

*(122 Semester Hours)*

By affiliation with government and private agencies, Suffolk University offers a cooperative program in Environmental Technology. Formal programs have been established with several cooperating agencies, and several less formal interactions offer students a variety of training opportunities.

Students have an option to select one of two academic tracks within the Environmental Technology Program. One track permits the student to spend a six-month period with an affiliated agency on a full-time basis while under the guidance of a faculty member from the University. In many cases the students are compensated by the agency.

The second track permits a student to be associated with a local agency on a limited-time basis while being a full-time student at the University. Depending on available funding, the student may or may not be compensated while at the agency.

It is expected that the student in either track will register for credit at the University and will fulfill the usual requirements for a student at the University. Students in Track A register for one six-month period in Science 493-Environmental Science Technology either in their junior or senior year. In Track B, students complete 12 semester hours of Science 533-Environmental Science, Directed Study, for 12 semester hours of internship time with local agencies. Students enrolled in Science 533 must be concurrently enrolled in at least three other courses at the University. Agencies participating in this program track are within easy commuting distance from the University.

Students interested in the Environmental Technology Program should see the Program Coordinator early in their academic career to determine available placements and obtain counselling regarding appropriate courses.

Upon satisfactory completion of the prescribed curriculum, students are eligible to receive the Bachelor of Science or Bachelor of Arts degree with a major in Biology from Suffolk University.
Biology Courses — A Biology course must be taken concurrently with its laboratory unless waived by the Biology Department Chairperson.

*Biology 101 — Principles of Biology I. An introductory course in basic concepts in cell biology, genetics and evolution. Required as a first course science requirement in Biology. May be used for major credit. 3 hours lecture. 1 term — 3 semester hours. Days or evenings.

Biology L101 — Principles of Biology I Laboratory. A series of experiments and investigations to study the principles of diffusion, enzyme function, cell division, genetics and evolution. 3 hours laboratory. 1 term — 1 semester hour. Days or evenings.

Biology 102 — Principles of Biology II. Investigations of relationships among organisms in time and space. Diversity, ecology, behavior, and human biology in the context of contemporary society. This is a suggested course for the non-science majors and it may not be used as credit for Biology majors. Prerequisites: Biology 101, L101. 3 hours lecture. 1 term — 3 semester hours. Days or evenings.

Biology L102 — Principles of Biology II Laboratory. Exercises and field trips designed to complement and demonstrate the principles developed in the lecture section. 3 hours laboratory. 1 term — 1 semester hour. Days or evenings.

*Biology 114 — General Biology (Zoology). Introduction to animal biology emphasizing evolution, classification, morphology, function, development, and ecology. Required of all Biology majors. Prerequisites: Biology 101, L101. 3 hours lecture. 1 term — 3 semester hours.

Biology L114 — General Biology (Zoology) Laboratory. A series of laboratory experiences in animal physiology, behavior, and diversity. 3 hours laboratory. 1 term — 1 semester hour.

Biology 203 — Scientific Writing in Biology. The principles and practice of preparing and writing scientific papers utilizing the resources of published literature in the biological sciences. A familiarization of style and procedure as defined by the editors of biological journals. Required of Biology majors. Transfer students should enroll as early in their curriculum as possible except when waived by the Department of Biology Chairperson. Prerequisites: Biology 114 and English 102. 1 term — 1 semester hour. Days or evenings.

Biology 213 — Bioethical Issues. Major topics include genetic engineering, reproductive technologies, human experimentation, euthanasia, the ethics of scientific research and decision making regarding contemporary bio-social issues. Prerequisites: Biology 101 or equivalent. 3 hours lecture. 1 term — 3 semester hours. Normally offered alternate years. Days or evenings.

Biology 217 — Vertebrate Biology. A comparative look at diverse aspects of vertebrates including comparative anatomy, development and natural history. Evolution in vertebrates is discussed in the context of phylogenetic relationships and ecological adaptation. Prerequisites: Biology 114, L114. 3 hours lecture. 1 term — 3 semester hours. Normally offered alternate years, days only.

Biology L217 — Vertebrate Biology Laboratory. Practical involvement with the principles discussed in lectures using New England vertebrates as examples. Includes both laboratory and field experiences. 6 hours laboratory, 1 term — 1 semester hour.

Biology 223 — Non-Vascular Plants. Survey of algae, fungi, mosses and related "lower plant" groups. A required option for Biology majors. Prerequisites: Biology 101, L101. 3 hours lecture. 1 term — 3 semester hours.

Biology L223 — Non-Vascular Plants Laboratory. Examination of prepared, fresh and collected materials and cultures. 3 hours laboratory. 1 term — 1 semester hour.

Biology 224 — Vascular Plants. The life histories of vascular plants are examined to describe the evolutionary forces that generate recognizable forms. Physiological and morphological adaptations are used to create an awareness of how morphology, physiology, development, genetics, ecology, and evolution interact to produce plant groups. 3 hours lecture. Prerequisites: Biology 101, L101. 1 term — 3 semester hours, alternate years.

Biology L224 — Vascular Plants Laboratory. The anatomy and morphology of representative members of each vascular plant group will be examined with emphasis on special features and adaptations. Some experiments will be performed to illustrate biochemical and physiological adaptations. 3 hours laboratory. 1 term — 1 semester hour.

*Attendance mandatory for all Biology majors at departmental seminars featuring guest speakers, and participation in the annual field trip to the Friedman Field Station.
Biology 253 — Marine Botany. The biology and distribution of marine plants, with special emphasis on the taxonomy, morphology and life history of algae, dune, salt marsh and mangrove associations; intertidal zonation. Normally a special offering at the Friedman Laboratory. Prerequisites: Biology 101, L101 or equivalent. 3 hours lecture. 1 term — 3 semester hours.

Biology L253 — Marine Botany Laboratory. Culture techniques; herbarium techniques; classification and identification of local marine algae; field trips to local habitats. 3 hours laboratory. 1 term — 1 semester hour.

Biology 254 — Marine Biology. Introduction to the marine environment, its organisms and their specific adaptations. Emphasis on marine and estuarine ecology, intertidal habitats, trophic relationships, and reproduction. Human impacts on the sea; fisheries, mariculture, pollution, law of the sea. Prerequisites: Biology 114, L114. 3 hours lecture. 1 term — 3 semester hours. Normally offered alternate years, days or evenings.

Biology L254. Marine Biology Laboratory. Field trips to local marine environments; field and laboratory observations of marine organisms. 3 hours laboratory. 1 term — 1 semester hour.

Biology 273 — Biometrics. Introduction to the application of statistical methods for the evaluation of biological problems. Sampling confidence intervals, regression, testing hypotheses, experimental design and analysis of variance. Prerequisite: Biology 101 or equivalent. 3 hours lecture. 1 term — 3 semester hours. Days or evenings.

Biology 274 — Genetics. The principles of genetic variation as revealed in prokaryotes and eukaryotes. Topics include cytolgical and molecular basis of heredity, non-nuclear genes, determination and differentiation of sex, population gene frequencies, and mating systems. Prerequisites: Biology 101, L101 or equivalent. 3 hours.

Biology L274 — Genetics Laboratory. Experiments designed to demonstrate those principles presented in lecture using organisms such as bacteria, molds, and Drosophila. Some simulations with microcomputers. 3 hours laboratory. 1 term — 1 semester hour. Days or evenings.

Biology 277 — Vertebrate Histology. Introduction to the microscopic and submicroscopic structure of vertebrate tissues and cells. Relationships between structures and physiological processes at the organ, tissue, cell, and organelle level are emphasized. Prerequisites: Biology 114, L114. 3 hours lecture. 1 term — 3 semester hours. Days or evenings.

Biology L277 — Vertebrate Histology Laboratory. Examination of vertebrate cells, tissues and organ-systems under the light microscope. Precise identification of a variety of tissues with a description of each in terms of its microscopic structure and its physiological role. 3 hours laboratory. 1 term — 1 semester hour. Days or evenings.

Biology 285 — Microbiology. Viruses, bacteria, protozoa and some fungi are surveyed in terms of their ecology, biochemistry, taxonomy, molecular biology and control. Required option for majors. Prerequisites: Biology 101, L101. 3 hours lecture. 1 term — 3 semester hours. Days or evenings.

Biology L285 — Microbiology Laboratory. Introduction to microbiological techniques and their applications in health research and industry. 3 hours laboratory. 1 term — 1 semester hour.

Biology 304 — Comparative Physiology. Mechanisms of physiological adaptations to environmental challenges are studied. Examples of gas exchange, osmoregulation, fluid transport, temperature regulation, nervous control, and hormonal control are examined in plant and animal forms. Prerequisites: Biology 114, L114, Chemistry 211, L211. 3 hours lecture. 1 term — 3 semester hours.

Biology L304 — Comparative Physiology Laboratory. Selected physiological processes as displayed by living plant and animal organ systems are examined. Electronic recording and stimulating instruments and biochemical analysis are used to investigate mechanisms of adaptation in plants, invertebrates and vertebrates. 3 hours laboratory. 1 term — 1 semester.

Biology 333 — Ecology. Basic principles of population biology, community ecology, ecosystem structure and function, and evolutionary theory. Required of Biology majors. Prerequisites: Biology 114, L114. 3 hours lecture. 1 term — 3 semester hours. Days only.
Biology L333 — Ecology Laboratory. Field and laboratory experiences in techniques and concepts relevant to lecture materials; data collecting and report preparation. 3 hours laboratory or field work. 1 term — 1 semester hour. Days only.

Biology 355 — Invertebrate Zoology. A survey of the invertebrate phyla with special emphasis on marine forms; emphasis on morphology, development and classification, phylogeny and ecology. Prerequisite: Biology 114 or equivalent. 3 hours lecture. 1 term — 3 semester hours. Alternate years, days only.

Biology L355 — Invertebrate Zoology Laboratory. Identification and classification of invertebrates; anatomy of selected representatives; embryology; field trips to local habitats. 3 hours laboratory or field trips. 1 term — 1 semester hour. Alternate years, days only.

Biology 376 — Parasitology. The relationship of parasitic organisms to the Animal Kingdom in health and disease. Life histories, systematics and ecology of protozoan, helminth and anthropod parasites. Prerequisite: Biology 114, L114 and Chemistry 211, L211. 3 hours lecture. 1 term — 3 semester hours. Days only.

Biology L376 — Parasitology Laboratory. Examination and identification of parasitic species utilizing prepared slides and specimens. Attention given to preserved and fresh material for the purpose of the identification of parasites throughout the various stages of their life cycles. 3 hours laboratory. 1 term — 3 semester hours. Days or evenings.

Biology 377 — Immunology. The concept of immunity, response to infection, structure of the immune system, biochemistry of immunoglobulins, antigen-antibody interactions, allergy, immunological injury, lymphocyte subpopulations and cellular immunity, histocompatibility, and genetics of immunity, tolerance, suppression and enhancement. Emphasis is on the historical and experimental approach. Prerequisites: Biology 114, L114 and Chemistry 211, L211. 3 hours lecture. 1 term — 3 semester hours.

Biology L377 Immunology Laboratory. Anatomy of the immune system, immunoglobulin purification, production of antibodies in rabbits, hemagglutination, enzyme immunoassay, Immunochemistry, immunoelectrophoresis, gel precipitation assay, student analysis of animal serum preparation. 3 hours laboratory. 1 term — 1 semester hour.

Biology 379 Technology Seminar. A seminar required in all "Technology" programs in the junior year. Oral and written presentations based on library research are required. Hospital or agency admission procedures are discussed. 1 hour seminar. 1 term — 1 semester hour.

Biology 385 — Pathogenic and Advanced Microbiology. Pathogenesis and host-parasite relationships; epidemiology and public health aspects of pathogenic microorganisms are stressed; molecular biology, applied and industrial microbiology. Current literature reviews. Prerequisites: Biology 285, L285. 3 hours lecture. 1 term — 3 semester hours.

Biology L385 — Pathogenic and Advanced Microbiology Laboratory. Isolation, quantitation and cultivation of microorganisms, advanced general and applied microbiology and molecular biology. Experience in media, chemical and culture preparations. Independent project required. 3 hours laboratory. 1 term — 1 semester hour.

Biology 403 — Cell Biology. The structure and function of eukaryotic cells are studied in detail. The functions of cell membranes, organelles, and the cytoskeleton are covered. Experimental protocols are emphasized. Prerequisites: Biology 114, L114 and Chemistry 211, L211. 3 hours lecture. 1 term — 3 semester hours. Normally offered in alternate years.

Biology L403 — Cell Biology Laboratory. Techniques in electrophoresis, differential centrifugation, organ culture, cell culture and respirometry are applied to selected experiments in cell biology. Analysis and interpretation of experimental data using microcomputers is emphasized. 3 hours laboratory. 1 term — 3 semester hours.

Biology 409 — Biology Seminar. A seminar required of many biology majors as seniors. Library search of the scientific literature, a formal presentation and a term paper on a biological topic are required. 1 hour seminar. 1 term — 1 semester hour.

Biology H419 — Biology Honors. Outstanding Biology majors may be invited by the Biology Faculty to participate in Biology Honors. An original research project is required to be accompanied by a literature search and presentation of a paper at a societal meeting. 1 hour seminar — 2 successive semesters — 4 credits. Note: grade is issued upon successful completion of second semester activities and fulfills the senior seminar requirement.
Biology 474 — Molecular Genetics. Introduction to molecular genetics. Topics include genetic fine structure and function at the molecular level; transcription, translation and their control in prokaryotes and eukaryotes; bacteriophage genetic regulation; mutagenesis; recombinant DNA and genetic engineering. Prerequisites: Biology 274, L274, 285, L285, 377, L377 and Chemistry 212, L212. 1 term — 3 semester hours.

Biology L474 — Molecular Genetics Laboratory. A series of exercises to introduce the techniques of recombinant DNA including vector cloning, restriction endonuclease analysis, transformation of E. coli with recombinant DNA, biological analysis of recombinant plasmids. 3 hour laboratory. 1 term — 1 semester hour.

Biology 475 — Developmental Biology. An examination of the molecular, cellular, biochemical and environmental mechanisms that regulate the developmental processes in plants and animals. Topics discussed include the processes of differentiation, determination, tissue induction, morphogenesis, polarity and totipotency. Prerequisites: Biology 274, L274, 304, L304 and Chemistry 211, L211. 3 hours lecture. 1 term — 1 semester hour.

Biology L475 — Developmental Biology Laboratory. A series of investigations illustrating basic principles of development. Production of plants from single cells; tissue differentiation; role of light in development; roles of hormones in developmental regulation, and sequential gene induction during development are some of the phenomena studied. 3 hours laboratory. 1 term — 1 semester hour.

Biology 599 — Directed Study. Student projects may be initiated by a student or faculty member with the approval of the Chairperson. A written proposal which must have majority approval of the Biology Faculty is required prior to enrolling. A paper and oral report are required. Prerequisites: Advanced Biology standing, instructor's consent, approval of a majority of the Biology Faculty and signature of the Department Chairperson. 1 term — 1-4 semester hours.

CONSULT THE BIOLOGY SCIENCE OFFERINGS LISTED UNDER INTERDEPARTMENTAL OFFERINGS
Department of Chemistry

Professors: Good (Chairperson), Lewis, Miliora, Patterson, Richmond, Ronayne.
Lecturers: Bracco, Ciuryla, Crandlemere, DeGeorge, Stark.

The Department of Chemistry offers four major degree programs leading to a B.S. or B.A. in either CHEMISTRY or BIOCHEMISTRY. Students who elect chemistry as their area of concentration may choose to follow the flexible and traditional Chemistry program or the more structured interdisciplinary programs in Chemistry - Computer Science, Chemistry/General Business minor, and Biochemistry. Since the recommended course of study for the Freshman year is essentially the same for all of the programs, decisions regarding specific curricular options can be postponed at least until the Sophomore year. Nevertheless, students are urged to consult with the Chemistry Department Chairperson as early as possible to discuss their professional objectives and options.

To earn a bachelor’s degree in Chemistry or Biochemistry requires the satisfactory completion of (1) prescribed core courses in the major and related areas, (2) the liberal arts requirements for the B.S. or B.A. degree common to all undergraduates in the College of Liberal Arts and Sciences,* (3) complementary electives in the major and related areas, and (4) free electives.

Many of the courses required for the Chemistry programs are not offered every year in the Evening Division. Evening students may avoid unnecessary delays in completing the degree requirements by prior consultation with the Chemistry Department Chairperson. Only a limited major in Biochemistry is available in the Evening Division.

Transfer students wishing to major in Chemistry or Biochemistry must successfully complete a minimum of 12 semester hours in the major at Suffolk University.

The program leading to the B.S. or B.A. degree in Chemistry is approved by the Committee on Professional Training of the American Chemical Society and contains 42 hours of courses in chemistry.

*It is difficult to particularize which degree is preferable for Chemistry and Biochemistry majors. Chemistry and Biochemistry students are advised to compare the requirements of each and consult the Department Chairperson if necessary.

Chemistry Minor Requirements
Chemistry: Chemistry 111-112, L111-L112 (General Chemistry I, II and labs); then Chemistry 211-212, L211-L212 (Organic Chemistry I, II and labs), followed by two courses and their labs from the following list: Chemistry 314, L314 (Instrumental Analysis and lab), Chemistry 331-2, L331-2 (Biochemistry and lab), Chemistry 411, L411 (Physical Chemistry and lab).
Curricula in Chemistry

Chemistry Program The curricula for the B.S. and B.A. degree in Chemistry satisfy the requirements for certification by the American Chemical Society. Both degree programs are recommended for those planning research careers and/or graduate study in chemistry.

In accordance with the guidelines established by the American Chemical Society, it is recommended that Chemistry majors acquire a reading knowledge of German.

Individualized programs of study appropriate to students' interests and specialized career objectives may be designed. Careers in non-traditional areas which may be pursued with a degree in chemistry, some of which may require graduate study, include science writing, environmental science, forensic chemistry, information and computer sciences, chemical business, and patent law.

Core Requirements:
Chemistry 111-112, L111-L112, 211-212
L211-L212, 313, 314, 411-412, L411-L412, 423, 425 or 426, 429
Computer Science 131
Mathematics 161-162, 261-262
Physics 151-152, L151-L152

The recommended course sequence leading to the B.S. degree is as follows:

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<tr>
<td>Computer Science 131</td>
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<td>Mathematics 161-162</td>
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<tr>
<td>English 101-102</td>
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<td>Freshman Integrated Studies</td>
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<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Chemistry 211-212, L211-L212</td>
<td>8</td>
</tr>
<tr>
<td>Physics 151-152, L151-L152</td>
<td>6</td>
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<tr>
<td>Second Year English</td>
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<td>Speech/Logic</td>
<td>6</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 313</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 314</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 411-412, L411-L412</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 261-262</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Senior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 423</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 425 or 426</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 429</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry Elective</td>
<td>4</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
Chemistry-Computer Science Program
The Chemistry-Computer Science program adds an integral interdisciplinary dimension to the undergraduate study of chemistry. Reflecting the increasing importance of computer science expertise in technological endeavors particularly with regard to the application of programming skills to chemical instrumentation and analysis, the program should provide expanded career opportunities for Chemistry majors whether their goal is job placement or graduate study.

Program Requirements:
Core requirements in Chemistry, Computer Science, Mathematics and Physics. In addition, Computer Science 132, 253 (or Physics 351), 265 and six more hours of Computer Science electives (possibly including Physics 352) approved by the Department of Chemistry.

The recommended course sequence leading to the B.S. degree is outlined as follows:

**Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 111-12, L111-L112</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 131</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 161-162</td>
<td>6</td>
</tr>
<tr>
<td>English 101-102</td>
<td>6</td>
</tr>
<tr>
<td>Freshman Integrated Studies</td>
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<td><strong>Total</strong></td>
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**Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 211-212, L211-L212</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 192</td>
<td>3</td>
</tr>
<tr>
<td>Physics 151-152, L151-L152</td>
<td>8</td>
</tr>
<tr>
<td>Second Year English</td>
<td>6</td>
</tr>
<tr>
<td>Speech/Logic</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
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<tbody>
<tr>
<td>Chemistry 313</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 314</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 411-412, L411-L412</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 253</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 261-262</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
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<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</tbody>
</table>

**Senior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 423</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 425 or 426</td>
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<tr>
<td>Chemistry 429</td>
<td>1</td>
</tr>
<tr>
<td>Computer Science 265</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>
Chemistry/General Business Minor
The program in Chemistry/General Business Minor combines the technical training in chemistry with a general business minor in the School of Management. It's intended for those students who wish varying career choices in industry or wish to ultimately enter a M.B.A. program. Since the business component is included without compromising the requisite professional preparation in chemistry, students are not limited in their choice of graduate study.

Program Requirements:
Core requirements in Chemistry, Computer Science, Mathematics and Physics with the exception of Chemistry 423 and 425 and Mathematics 262. In addition, the Business Minor as specified by the School of Management.

The recommended course sequence leading to the B.S. degree is outlined as follows.

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 111-112, L111-L112</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 131</td>
<td>3</td>
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<tr>
<td>Mathematics 161-162</td>
<td>6</td>
</tr>
<tr>
<td>English 101-102</td>
<td>6</td>
</tr>
<tr>
<td>Freshman Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>29</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 211-212, L211-L212</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 113</td>
<td>3</td>
</tr>
<tr>
<td>Physics 151-152, L151-L152</td>
<td>8</td>
</tr>
<tr>
<td>Second Year English</td>
<td>6</td>
</tr>
<tr>
<td>Speech/Logic</td>
<td>6</td>
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<tr>
<td></td>
<td>31</td>
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</table>

<table>
<thead>
<tr>
<th>Junior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 313</td>
<td>1</td>
</tr>
<tr>
<td>Chemistry 314</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 411-412, L411-L412</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics 261</td>
<td>3</td>
</tr>
<tr>
<td>Accounting 211-212</td>
<td>6</td>
</tr>
<tr>
<td>Economics 281-282*</td>
<td>6</td>
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<td>Humanities Requirement</td>
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<table>
<thead>
<tr>
<th>Senior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 429</td>
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</tr>
<tr>
<td>Chemistry Elective</td>
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<tr>
<td>Business Law 211</td>
<td>3</td>
</tr>
<tr>
<td>Finance 310</td>
<td>3</td>
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<td>Humanities Requirement</td>
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<tr>
<td>Management 310</td>
<td>3</td>
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<tr>
<td>Marketing 310</td>
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<td>Social Science Requirement</td>
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<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>31</td>
</tr>
</tbody>
</table>

*May be used in partial fulfillment of the Social Science Option.
**Chemistry-Education Program** An individual completing this program in Chemistry-Education will qualify for certification as a secondary teacher of chemistry in the Commonwealth of Massachusetts. In accordance with the guidelines of the American Chemical Society, the Chemistry-Education program includes a broad-based experience in the physical and biological sciences as well as in the major areas of chemistry: inorganic, organic, analytical, physical, and bio-chemistry.

**Program requirements:**
- Biology 113-114, L113-L114
- Mathematics 161-162
- Computer Science 131
- Physics 151-152, L151-L152
- Education & Human Services 503, 504, 505, 506, 507, 500
- English 101
- Communications and Speech 103

The recommended course sequence leading to the B.S. degree is outlined as follows:

<table>
<thead>
<tr>
<th>Class</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
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<tr>
<td>Chemistry 111-112, L111-L112</td>
<td>8</td>
</tr>
<tr>
<td>Biology 114, L114</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 161-162</td>
<td>6</td>
</tr>
<tr>
<td>English 101-102</td>
<td>6</td>
</tr>
<tr>
<td>Freshman Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Class</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sophomore</strong></td>
<td></td>
</tr>
<tr>
<td>Chemistry 211-212, L211-L212</td>
<td>8</td>
</tr>
<tr>
<td>Biology 113, L113</td>
<td>4</td>
</tr>
<tr>
<td>Physics 151-152, L151-L152</td>
<td>8</td>
</tr>
<tr>
<td>Second Year English</td>
<td>6</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>Logic</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<table>
<thead>
<tr>
<th>Class</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td><strong>Junior</strong></td>
<td></td>
</tr>
<tr>
<td>Chemistry 331, L331</td>
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<td>Chemistry 313</td>
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<td>Humanities Requirement or Language (B.A.)</td>
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<td>Computer Science 131</td>
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<tr>
<td>EHS 507</td>
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<tr>
<td>EHS 503 (Soc. Sci. Requirement)</td>
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<tr>
<td>EHS 505-506 (Curriculum/Methods)</td>
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<table>
<thead>
<tr>
<th>Class</th>
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</thead>
<tbody>
<tr>
<td><strong>Senior</strong></td>
<td></td>
</tr>
<tr>
<td>Chemistry 411-412, L411-L412</td>
<td>8</td>
</tr>
<tr>
<td>Social Science Requirement</td>
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<tr>
<td>Humanities Requirement</td>
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<tr>
<td>EHS 504 (Soc. Sci. Requirement)</td>
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<td>EHS 500 (Practicum)</td>
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<td>Free Electives</td>
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<td><strong>Total</strong></td>
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<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Grand Totals</strong></td>
<td><strong>122</strong></td>
</tr>
</tbody>
</table>
Curriculum in Biochemistry

Biochemistry Program The program in Biochemistry is based on curriculum interaction between the disciplines of Chemistry and Biology. Since the areas of concentration are broadened and well-integrated, several career options are possible upon successful completion of the program. It is recommended particularly for those planning careers in allied health areas, including clinical chemistry; graduate study in biochemistry, pharmacology or toxicology; and pre-professional study for medicine or dentistry.

Core Requirements:
- Biology 101, L101 and two of the following: 274, L274; 277, L277; 285, L285; 377, L377; 403, L403
- Computer Science 131
- Mathematics 161-162
- Physics 151-152, L151-L152

The recommended course sequence leading to the B.S. degree is outlined as follows:

**Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 111-112, L111-L112</td>
<td>8</td>
</tr>
<tr>
<td>Biology 101, L101</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics 161-162</td>
<td>6</td>
</tr>
<tr>
<td>English 101-102</td>
<td>6</td>
</tr>
<tr>
<td>Freshman Integrated Studies</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
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**Sophomore**

<table>
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<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Chemistry 211-212, L211-L212</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 131</td>
<td>3</td>
</tr>
<tr>
<td>Physics 151-152, L151-L152</td>
<td>8</td>
</tr>
<tr>
<td>Second Year English</td>
<td>6</td>
</tr>
<tr>
<td>Speech/Logic</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</table>

**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Chemistry 313</td>
<td>1</td>
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<tr>
<td>Chemistry 314</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 331-332, L331-L332</td>
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</tr>
<tr>
<td>Biology Electives*</td>
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<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
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</table>

**Senior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry 411-412, L411-L412</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry 429</td>
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<td>Chemistry 433</td>
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<td>Humanities Requirement</td>
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<td>Social Science Requirement</td>
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<tr>
<td>Free Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

*Must be chosen from the following: Biology 274, L274; 277, L277; 285, L285; 377, L377; 403, L403.
Chemistry Courses  Chemistry courses must be taken simultaneously with their respective laboratories unless otherwise noted or waived by the Chemistry Department Chairperson. This does not apply if the laboratory has previously been completed satisfactorily.

Chemistry 423, 425, 426, 433 and 553 may be taken for graduate credit subject to the approval of the Chemistry Department Chairman and course Instructor.

Chemistry 111-112 — General Chemistry. Fundamental principles of chemistry are discussed. Topics include introductions to atomic structure, periodic table, nature of chemical bonds, stoichiometry, gas laws, solutions, acid-base systems, chemical equilibria, thermodynamics, electrochemistry, kinetics, and chemistry of selected elements. 3 hours lecture. Prerequisite: High school chemistry. 2 terms — 6 semester hours. Normally offered yearly, days only.

Chemistry L111-L112 — General Chemistry Laboratory. The basic principles of chemistry illustrated through laboratory investigation. Qualitative and quantitative analysis, particularly volumetric methods, are emphasized. 1 hour lecture, 3 hour laboratory. Concurrent enrollment in Chemistry 111-112 required. 2 terms — 2 semester hours. Normally offered yearly, days only.

Chemistry 211-212 — Organic Chemistry. The essential chemistry of functional groups and basic theories as applied to the study of organic compounds. Mechanistic studies, stereo-chemistry, and the relationship of spectroscopy to structure. 3 hours lecture. Prerequisite: Chemistry 112. 2 terms — 6 semester hours. Normally offered yearly, days only.

Chemistry L211-L212 — Organic Chemistry Laboratory. Laboratory exercises consisting of techniques of separation and purification, including chromatographic methods; synthesis and spectroscopic characterization of organic compounds; reactivity studies. 4-hour laboratory. 2 terms — 2 semester hours. Normally offered yearly, days only.

Chemistry 313 — Chemical Literature. A thorough introduction to the chemical literature; practice in searching the literature; writing and presenting a scientific paper. 1 hour lecture-discussion. Prerequisite: Chemistry 212 or Instructor’s permission. 1 term — 1 semester hour. Normally offered yearly, days or evenings.

Chemistry 314 — Instrumental Analysis. Theory and application of analytical instruments: ultraviolet, visible, fluorescence, atomic, and emission spectroscopy; chromatography; voltammetry; potentiometric and conductometric measurements; computer applications. 3 hours lecture, 4-hour laboratory. Prerequisite: Chemistry 112. 1 term — 4 semester hours. Normally offered yearly, days or evenings.

Chemistry 331-332 — Biochemistry. The chemistry of amino acids, proteins, lipids, carbohydrates, and nucleic acids. Emphasis is on structure and function of biomolecules and intermediary metabolism. 3 hours lecture. Prerequisite: Chemistry 212. 2 terms — 6 semester hours. Normally offered yearly, days or evenings.

Chemistry L331-L332 — Biochemistry Laboratory. Exercises emphasizing the equipment and methodology of biochemical experimentation. Exercises may cover such topics as metabolism, electrophoresis of biological materials, isotope tracer techniques and enzyme kinetics. 4-hour laboratory. Concurrent enrollment in Chemistry 331-332 required. 2 terms — 2 semester hours. Normally offered yearly, days only.

Chemistry 353 — Instrumental Electronics. Basic theories of electronics and their application to instruments in the modern laboratory. Emphasis is on developing insight into the functioning of instruments including troubleshooting techniques. 3 hours lecture, 4-hour laboratory. Prerequisites: Physics 152, Mathematics 162. 1 term — 4 semester hours. Normally offered alternate years, days or evenings.

Chemistry 355 — Environmental Chemistry. A study of the chemical basis of environmental problems. Topics include aquatic chemistry, air pollution, and the interaction between chemical and biological systems. 3 hours lecture. Prerequisite: Chemistry 112. Chemistry 314 is recommended. 1 term — 3 semester hours. Normally offered every third year, evenings only.
Chemistry 411-412 — Physical Chemistry. Thermodynamics and its applications to physical and chemical equilibria; introduction to the kinetic theory of gases and concepts of statistical mechanics; chemical kinetics; electrochemistry; and introductory quantum chemistry. 3 hours lecture. Prerequisites: Chemistry 112, Mathematics 162, Physics 152. 2 terms — 6 semester hours. Normally offered yearly, days or evenings.

Chemistry L411-L412 — Physical Chemistry Laboratory. Laboratory exercises of classical and modern experiments in physical chemistry. 4-hour laboratory. Concurrent enrollment in Chemistry 411-412 required. 2 terms — 2 semester hours. Normally offered yearly, days or evenings.

Chemistry 423 — Advanced Physical Chemistry. Quantum chemistry and its applications to molecular bonding and spectroscopy. 3 hours lecture. Prerequisite: Chemistry 412. 1 term — 3 semester hours. Normally offered yearly, days or evenings.

Chemistry 425 — Inorganic Chemistry. Introduction to the concepts and chemical systems of inorganic chemistry including the periodic properties, molecular structure and bonding, inorganic crystals, and descriptive chemistry of the non-transition elements. 3 hours lecture. Prerequisites: Chemistry 212, 412. 1 term — 3 semester hours. Normally offered alternate years, evenings only.

Chemistry 426 — Inorganic Chemistry. Chemistry of transition metal complexes. Topics include bonding theories, stereochemistry, preparation of complexes, complexion stability, kinetics and mechanisms of reactions of complexes, and spectroscopy. 3 hours lecture. Prerequisites: Chemistry 212, 412. 1 term — 3 semester hours. Normally offered alternate years, evenings only.

Chemistry L426 — Inorganic Chemistry Laboratory. Synthesis and properties of transition metal complexes. Properties investigated may include conductivity, magnetic moment, optical rotation, optical and nmr spectra, rate of reaction, and stability. 4-hour laboratory. Concurrent enrollment in Chemistry 426 required. Normally offered alternate years, evenings only.

Chemistry 429 — Research and Seminar. Independent study under the direct supervision of the Chemistry Department faculty. Students are required to attend departmental seminars, present a seminar, and submit a written report on their investigation. Prerequisite: Chemistry 313. 1 — 4 semester hours. Normally offered yearly, days only.

Chemistry 433 — Advanced Biochemistry. Specialized topics are examined in an intensive laboratory, lecture-seminar format. Students are expected to conduct laboratory work on an independent basis. Topics may include enzyme purification, bacterial transformation, protein synthesis and photosynthesis. 2 hours lecture, 6 hours laboratory. Prerequisites: Chemistry 332, L332. 1 term — 4 semester hours. Normally offered yearly, days only.

Chemistry 553 — Introduction to Toxicology. The study of harmful actions of chemicals on biological systems, with discussion of general principles, methodology, and selected topics. Topics may include pesticides, food additives, carcinogenesis and teratogenesis. 3 hours lecture. Prerequisites: Chemistry 212 and Biology 101 or equivalent. 1 term — 3 semester hours. Normally offered alternate years, evenings only.
Communications and Journalism

Department of Communications and Journalism

Professors: Harris (Chairperson), Strain
Associate Professors: Boone, Peary, Plotkins, Preiss, Rosenthal
Assistant Professors: Geisler, Karns
Lecturers: Bacigalupo, Greeley, Greenberg, Kropp, Lacroix, McLean, Sanders, Walcott

Requirements for the Communications Major: All students must complete 30 semester hours of coursework including C.Sp. 385, C.Sp. 405 and C.Sp. 409, twelve hours in one of the areas of concentration listed below and nine hours from other Departmental offerings (excluding C.Sp. 103 - Rhetorical Communications).

Requirements for the Communications Minor: All students must complete 18 semester hours of coursework including C.Sp. 405 or C.Sp. 409, twelve hours in one of the areas of concentration listed below and three hours from other Departmental offerings (excluding C.Sp. 103 - Rhetorical Communication).

Honors in Communication: Majors in the Department who complete Communication Theory I with a grade of B+ or higher, who have a Communication average of 3.2 or higher and who have an overall cumulative average of 3.0 or higher may submit a final project for honors consideration in conjunction with Communication Theory II. For further details see the Chairperson of the Department.

Areas of Concentration

Track 1: Legal Argument — 4 courses required from Argumentation, Persuasion, Advanced Argumentation, Law of Communications (Jrn. 213), Legal Communication, Media Law, Advanced Legal Communication

Track 2: Rhetoric and Forensics — 4 courses required from Forensics, Popular Culture, Oral Interpretation, Argumentation, Persuasion, Advanced Forensics, Media Criticism, American Public Address, Political Rhetoric

Track 3: Mass Communications — 4 courses required from Mass Communication, Studio Operations, Media Production, Media Advertising, Advanced Media Production, Media Law, Broadcasting, Photojournalism (Jrn. 218), Broadcast Journalism-Radio (Jrn. 433), Broadcast Journalism-Television (Jrn. 434), Television Documentary (Jrn. 453), Seminar in TV News and Public Affairs (Jrn. 531-532)

Track 4: Public Relations and Organizational Communication — 4 courses required from Interpersonal Communication, Interviewing, Business Communication, Media Advertising, Organizational Communication, Consulting, Public Relations, Decision Making, Advanced Organizational Communication, Public Relations (Jrn. 243), Copy Editing (Jrn. 317)

Track 5: Theatre — 4 courses required from Theatre Arts, Theatre Practicum, Acting I and II, Oral Interpretation, Theatre Workshop, Directing

Track 6: Popular Culture - 4 courses required from Mass Communications, Persuasion, Media and Popular Culture, Media Advertising, American Public Address, Political Rhetoric, Media Criticism, The American Cinema (Jrn. 355), European Films and Fiction (Jrn. 455), The Television Documentary (Jrn. 453)

All students majoring in Communications must have their programs approved by an advisor from the department and thereafter keep in close touch with the department in respect to their programs.
Communications Courses

Communications and Speech 103 — Rhetorical Communication. The development, delivery and analysis of rhetorical messages. Stress on broad theories of rhetorical analysis in a historical context and pragmatic experience in delivering oral messages. Satisfies College of Liberal Arts and Sciences Rhetoric Requirement. 1 term — 3 semester hours. Normally offered every semester.

Communications and Speech 119 — Voice and Articulation. Provides the student with knowledge of the mechanics of voice production and develops control in pitch volume and quality. 1 term — 3 semester hours. Normally offered every semester.

Communications and Speech 215 — Interpersonal and Group Communication. Analysis of communication behavior in individual and group environments. Topics include conflict, leadership, common communication difficulties, communication roles and reflective thinking. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 219 — Interviews and Non-Verbal Communication. Principles of communication applicable to interview situations in business and the professions. Role-playing exercises explore the relationship in an interview between information giving and non-verbal behavior. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 225 — Theater Arts. Fundamentals of theatrical experience by lecture discussion and demonstration. Emphasizes analysis of script and production. Attendance at Suffolk University-sponsored productions may be required. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 227 — Theatre Practicum. Specialized work in theatre production under supervision. Opportunities for variable credit depending on assignments. Includes crew sessions and individual conferences. Open to beginning and advanced students by consent of instructor. 1-3 credits. Normally offered every year.

Communications and Speech 229 — Acting I. Fundamentals of acting. Emphasis on development of the actor's inner resources, sensitivity and imagination. Theater games, physical exercises and improvisations are used to remove barriers to the actor's means of expression. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 235 — Argumentation. Projects in analysis, research, evidence, briefing, refutation and delivery of debates on representative questions. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 245 — Forensics. Intensive research on topics in debate and active participation in the University forensics program Prerequisite: Instructor's consent. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 255 — Mass Communications. Historical, political, and social backgrounds of the mass media with emphasis on the oral aspects of mass communications. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 256 — Studio Operations. Technical introduction to the operation and functioning of equipment for production in a television/cable studio. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 259 — Broadcasting. Oral performance for television and radio. Emphasizes broadcast techniques of news and sports reporting, interviewing and developing an on-air personality. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 265 — Oral Interpretation. Designed to develop the expressive powers of the student through oral interpretation of literature. Analyzing and responding to the author's meaning and communicating that meaning to the audience. Prerequisite: C.Sp. 119. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 275 — Business and Professional Communication. Examines communication functions and problems within a business and professional context. Sales speeches, technical presentation, conference management, resume writing, business interviews and other types of business communication. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 285 — Media and Popular Culture. Examines the influence of media upon contemporary society. Television, radio, film and print formats are discussed in terms of their persuasive impact on American mass culture. 1 term — 3 semester hours. Normally offered every other year.
Communications and Speech 327 — Theater Workshop. Detailed study of a play through preparing it for full-scale production. Acting, directing, producing and designing to be coordinated with the drama club productions whenever possible. Prerequisites: C.Sp. 225, C.Sp. 227. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 329 — Acting II. A continuation of Acting I, creating a character, script yearly. and designing to be coordinated with the drama club communications and Speech 327 — Theater Workshop. Detailed study of a play through preparing it for full-scale production. Acting, directing, producing and designing to be coordinated with the drama club productions whenever possible. Prerequisites: C.Sp. 225, C.Sp. 227. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 329 — Acting II. A continuation of Acting I, creating a character, script study, development of role and application of improvisation to the rehearsal process. Prerequisites: C.Sp. 119, C.Sp. 229. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 335 — Persuasion. Analysis of persuasive techniques particularly those used by communicators in their attempt to gain public acceptance. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 345 — Advanced Forensics. Opportunities for advanced students to conduct intensive research in advanced debate theory. Extensive participation is required in the University forensics program. Prerequisite: Instructor's consent. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 355 — Media Production. Practical exposure to methods of production and production equipment for the mass media. Relationship between production techniques and relevant theories of mass media are examined. Prerequisite: C.Sp. 255 and 256. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 355 — Media Advertising. Theoretical and practical applications of communication are considered in terms of advertising strategies and campaigns for media. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 375 — Organizational Communication. Historical development of the theory of organizations, examination of information flow, network analysis, communication overload and underload, decision making, superior-subordinate communications, organizational effectiveness and change processes. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 385 — Rhetorical Theory. Examines the theory and practice of rhetoric. Emphasis upon developing an understanding of classical and contemporary theories through critical analysis. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 403 — Speech Practicum. Evaluation of practical speech activities such as counseling/tutoring, radio or TV studio operations and others. Permission of the Chairperson of Comm. & Sp. required. 1-3 credits. May be repeated for a maximum of 6 credits. Offered every semester.

Communications and Speech 405 — Communication Theory I. An interdisciplinary examination of the development of communication theories from the classical tradition to the modern perspectives of rhetoricians, scientists, psychologists, sociologists, philosophers and others. Prerequisite: Senior standing for majors, 12 semester hours for non-majors. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 409 — Communication Theory II. Analysis of major issues in persuasion, small group communication, organizational communication and mass communication. A research project will be required. Prerequisite: Senior standing and C.Sp. 405 for majors, 12 semester hours for non-majors. 1 term — 3 semester hours. Normally offered yearly.


Communications and Speech 437 — Media Criticism. An in-depth analysis of the mass media exploring critical theories to examine both American and foreign media. Students will develop critical methodologies and apply them to media form and content. 1 term — 3 semester hours. Normally offered every other year.
Communications and Speech 439 — Legal Communication. The communicative situation in the courtroom. Description and practice of techniques of legal communication such as cross examination. Students engage in mock trial situations to gain practical experience. 1 term — 3 semester hours. Normally offered every year.

Communications and Speech 475 — Consulting. Develops skill in consulting practices and in critical assessments of research in consulting. Includes ethical considerations, contract negotiations, entry-level behavior with clients, communication instruments used for interventions, and evaluative procedures. Prerequisites: C.Sp. 275 or 375. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 477 — Public Relations II. Examination of the theories and history of public relations and exploration of the relationship of public relations to organizational communication through a case-studies approach. 1 term — 3 semester hours. Normally offered yearly.

Communications and Speech 479 — Decision Making. Influence of communication on problem solving and decision making for individuals, groups and organizations. The student will apply a variety of problem solving and decision making techniques to case studies involving government and industry. Prerequisites: C.Sp. 275 or C.Sp. 325. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 485 — American Public Address. Students are expected to analyze specific speeches of prominent Americans throughout history employing the methods explored in the course. 1 term — 3 semester hours. Normally offered alternate years.

Communications and Speech 489 — Political Rhetoric. Examination of the special circumstances created by politics and their impact on attempts at persuasion. Case studies of famous politicians and political speeches are combined with discussion of current political rhetorical trends. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 495 — Advanced Legal Communication. Detailed study of communication in the courtroom. Emphasis on presentation of opening statements and final summations through mock trial exercises. Prerequisite: C.Sp. 439 or equivalent. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 497 — Topics in Public Relations and Advertising. Special project and in-depth study of techniques of public relations for internal and external audiences. Prerequisite: C.Sp. 477 or instructor's permission. 1 term — 3 semester hours. Normally offered every other year.

Communications and Speech 503 — Independent Study. Academically qualified students in their junior or senior year may elect to undertake an in-depth research study in a specialized area of communications and theater. Prerequisite: 12 semester hours in Communications and Speech and permission of the Departmental Chairperson. 1-2 terms — 3-6 semester hours. Normally offered yearly.

Communications and Speech 505 — Internships. Students in their junior or senior year may elect to serve as interns in business, broadcasting, government or some other formal organization. The internship must focus on some significant aspect of communication. Prerequisite: 12 semester hours in Communications and Speech and permission of the Departmental Chairperson. 1-2 terms — 3-6 semester hours. Normally offered yearly.
Computer Science

Department of Computer Science

Computer Science Faculty:
Professors: Cohn, Ezust (Chairperson), Good, Hajj, W. Johnson, Myrvaagnes
Assistant Professors: Garneau, Humphrey
Senior Lecturer: Majdalawieh

The Department of Mathematics and Computer Science offers major and minor programs in computer science. The major program in Computer Science can be used by students either to prepare for any of a wide variety of careers in science and industry or as a firm foundation for graduate study in Computer Science. The minor program is intended to provide expanded career options for those who prefer to major in another discipline.

The departments of Mathematics and Computer Science, Physics, and Sociology jointly offer two major programs: Airway Computer Science and Airway Electronic Systems. These two programs are accredited by the Federal Aviation Administration (FAA). For detailed descriptions of these programs see the Airway Science section of this catalog.

Computer Science Major
A student majoring in computer science must successfully complete 30 hours in computer science as follows:

Major Course Requirements
Computer Science: (30 hours)
- Computer Science 131-132 (Computer Science I and II)
- Computer Science 253 (Assembly Language and Computer Structure)
- Computer Science 265 (Data Structures and Algorithms)
- Computer Science 263 (File Processing)
- Computer Science 333 (Organization of Programming Languages)
- Computer Science 353 (Architecture of Computer Systems)
- Computer Science 355 (Operating Systems)
- Computer Science Elective Courses*

*Additional courses to make a total of at least 30 hours. These courses are normally chosen from Computer Science courses numbered 200 or higher. Not more than three hours may be in language courses. Physics 351 (Introduction to Microprocessors) and Physics 352 (Microprocessor Interfacing) are acceptable choices. Substitutions of any other courses requires prior written approval by the Chair of the Department of Mathematics and Computer Science.

Complementary Major Requirements
Mathematics: (15 hours)
- Mathematics 161-162, 261-262 (Calculus I, II, III, and IV)
- Mathematics 281 (Discrete Mathematics I)

Physics: (12 hours)
- Physics 151-152, L151-L152 (University Physics and Lab)
- Either Physics 303 (Digital Electronics) or Physics 351 (Introduction to Microprocessors)

Note that three additional hours of course work in Mathematics (beyond the 200 level) would qualify a Computer Science major for a minor in Mathematics.

Computer Science Major
(Suggested Course Sequence)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
</tr>
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<tbody>
<tr>
<td>First-Year English</td>
<td>6</td>
</tr>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 161-162</td>
<td>6</td>
</tr>
<tr>
<td>Physics 151-152 &amp; L151-L152</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 131-132</td>
<td>6</td>
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32
**Sophomore**

<table>
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<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Second-Year English</td>
<td>6</td>
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<tr>
<td>Logic and Speech</td>
<td>6</td>
</tr>
<tr>
<td>Language (B.A.) or Humanities (B.S.)</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 261-262</td>
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<tr>
<td>Computer Science 253</td>
<td>3</td>
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<tr>
<td>Computer Science 265</td>
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Total: 30

**Junior**

<table>
<thead>
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<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Social Sciences</td>
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</tr>
<tr>
<td>Mathematics 281</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science 263</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science 333</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science 353</td>
<td>3</td>
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<tr>
<td>Computer Science 355</td>
<td>3</td>
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<tr>
<td>Physics 303 or 351</td>
<td>4</td>
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<tr>
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Total: 30

**Senior**

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>Humanities</td>
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<tr>
<td>Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science Electives</td>
<td>6</td>
</tr>
<tr>
<td>Free Electives</td>
<td>18</td>
</tr>
</tbody>
</table>

Total: 30

**Computer Science Minor** To qualify for a minor in Computer Science a student must successfully complete 18 hours of course work in computer science distributed as follows:

- Computer Science 131-132 (Computer Science I and II)
- Computer Science 253 (Assembly Language and Computer Structure) or Physics 351 (Introduction to Microprocessors)
- Computer Science 265 (Data Structure and Algorithms)
- Computer Science Elective Courses

*Additional courses to make a total of at least 18 hours must be chosen from Computer Science courses numbered 200 or higher. Not more than three hours may be in "language" courses. Physics 351 (Introduction to Microprocessors) and Physics 352 (Microprocessor Interfacing) are acceptable choices. Substitution of any other courses requires prior written approval by the Chair of the Department of Mathematics and Computer Science.

**Certificate Programs**

**Physical and Computer Science Applications**

**Life Studies and Computer Science Applications**

*Program Advisors:*
Donald Cohn, Professor of Mathematics and Computer Science; Robert Garneau, Associate Professor of Physics and Computer Science; William E. Good, Professor of Chemistry and Computer Science; Walter H. Johnson, Jr., Professor of Physics and Computer Science; Eric Myrvaagnes, Professor of Mathematics and Computer Science; Beatrice L. Snow, Professor of Biology.

In addition to the bachelor's degree programs mentioned above there are two post-baccalaureate non-degree programs which combine computer science applications with physical sciences and with life studies respectively. **BOTH CERTIFICATE PROGRAMS ARE RESTRICTED TO PERSONS WHO HAVE EARNED A BACHELOR'S DEGREE FROM AN ACCREDITED INSTITUTION. EACH PROGRAM MAY BE PURSUED ON A PART-TIME OR FULL-TIME BASIS.**
These programs each provide a substantial introduction to computer science (equivalent to an undergraduate minor) along with supporting coursework in the physical or biological sciences. Both programs address the needs of college graduates who wish to enhance their career options by obtaining credentials in Computer Science.

Since diverse backgrounds are anticipated among the participants, individualized programs of study will be structured to achieve a coherent blend of previous academic experience and new course work. Each of the programs consist of eighteen hours of course work in Computer Science plus fourteen hours of work in the appropriate supporting scientific discipline. A maximum of eight hours may be waived if a student passes a competency examination administered by the relevant department. If additional requirements have been met prior to entering one of these programs, a student may, with written approval of the Director of Academic Computing, make substitutions for those courses already taken by selecting courses from a list of approved electives. Certificates will be awarded to those students who complete the program requirements with a cumulative grade point average of 3.0 or better and who demonstrate, by means of a comprehensive examination, the attainment of a satisfactory level of competency in physical science or in life studies and in computer science.

**Physical and Computer Science Applications**

**Course Requirements:**

**Mathematics: (6 hours)**
- Mathematics 161-162 (Calculus I and II)

**Physical Sciences: (8 hours)**
- One selection from the following:
  - Chemistry 111-112, L111-L112 (General Chemistry and Lab)
  - Physics 151-152, L151-L152 (University Physics and Lab)

**Computer Science: (18 hours)**
- Computer Science 131-132 (Computer Science I and II)
- Computer Science 253 (Assembly Language and Computer Structure) or Physics 351 (Introduction to Microprocessors)
- Computer Science 265 (Data Structures and Algorithms)
- Computer Science Elective Courses*

*Additional courses to make a total of at least 18 hours. These courses are normally chosen from Computer Science courses numbered 200 or higher. Not more than three hours may be in “language” courses. Physics 351 (Introduction to Microprocessors) and Physics 352 (Microprocessor Interfacing) are acceptable choices. Substitution of any other courses requires prior written approval by the Chair of the Department of Mathematics and Computer Science.
Life Studies and Computer Science Applications

Course Requirements:

Life Studies: (14 hours)
Biology 113, L113 (General Biology [Botany] and Lab)
Biology 114, L114 (General Biology [Zoology] and Lab)
Biology 273, L273 (Biometrics and Lab)
Science 599 (Special Topics)*
*Science 599 will be 2 hours of directed study in computer information retrieval systems in the life science.

Computer Science: (18 hours)
Computer Science 131-132 (Computer Science I and II)
Computer Science 253 (Assembly Language and Computer Structure) or Physics 351 (Introduction to Microprocessors)
Computer Science 256 (Data Structures and Algorithms)
Computer Science Elective Courses*
*Additional courses to make a total of at least 18 hours. These courses are normally chosen from Computer Science courses numbered 200 or higher. Not more than three hours may be in "language" courses. Physics 351 (Introduction to Microprocessors) and Physics 352 (Microprocessor Interfacing) are acceptable choices. Substitution of any other courses requires prior written approval by the Chair of the Department of Mathematics and Computer Science.
Computer Science Courses

Computer Science 121 — A First Course in Computers. For students who have little or no previous experience with computers, this course provides an introduction to computers and their uses and to programming in the Pascal language. Students use various popular personal computers and Suffolk's Prime mainframe system to carry out assignments including programming, word processing, use of spreadsheets, and other applications. This course provides good preparation for CMPSC 131. No prerequisites. 3 credits. Generally offered each semester.

Computer Science 131-132 — Computer Science I and II. This fundamental course sequence is designed to provide the background necessary for an understanding of computers and computer languages. Programming assignments in Pascal introduce the student to methods of problem solving, development of algorithms, designing, coding, debugging, and documenting programs. Topics include an overview of computer organization, sorting, and searching, string processing, simple data structures, and files. Structured programming techniques are emphasized throughout. This course is a prerequisite for all advanced computer science courses. Prerequisite: Prior course work in computer programming (preferably in Pascal) or CMPSC 121 or consent of instructor. 2 terms — 6 semester hours. Normally offered each semester.

Computer Science 221 — Topics in Assembly Language Programming. Assembly language programming on a computer other than those treated in Computer Science 253 and Physics 351. Prerequisite: Computer Science 253 or Physics 351. 1 term — 1 hour. (Offered as the need arises.)

Computer Science 232 — Programming Laboratory in C. An intensive introduction to programming in the C language intended for students who have thorough mastery of Pascal. The aim of the course is to enable students to acquire fluency in C which will be needed when they take further course work in Graphics and Operating Systems. Prerequisite: CMPSC 132 and CMPSC 253 (or PHYS 351). 1 credit (3 class hours). Generally offered each semester.

Computer Science 233 — Programming Laboratory in LISP. An intensive introduction to programming in LISP. Prerequisite: CMPSC 132. 1 credit (3 class hours). Generally offered in alternate spring semesters.

Computer Science 243 — PROLOG and Expert Systems. An introduction to expert systems via PROLOG. Data abstraction, knowledge bases, categorical vs uncertain knowledge, production rules, certainty propagation, inference engines, etc. will be presented via numerous programming assignments in PROLOG. Prerequisite: CMPSC 132. 3 credits. Normally offered spring semester.

Computer Science 253 — Assembly Language and Computer Structure. Introduction to computer architecture and machine language programming, internal representation of data and assembly language programming. Prerequisite: Computer Science 132. 1 term — 3 hours. Normally offered each fall semester.

Computer Science 263 — File Processing. Concepts and techniques of mass storage of data in computer systems and standard methods of accessing data are covered. Topics include sequential, direct, and keyed files, an overview of database management file I/O, and algorithms for updating, sorting, searching, and cataloging files. Prerequisite: Computer Science 132. 1 term — 3 hours. Normally offered each fall semester.

Computer Science 265 — Data Structures and Algorithms. Includes topics such as stacks, queues, lists, trees, graphs, path finding algorithms, sorting, searching, merging, hashing, dynamic storage allocation. Prerequisite: Computer Science 253 or Physics 351 or consent of instructor. 1 term — 3 hours. Normally offered each spring semester.

Computer Science 333 — Organization of Programming Languages. An introduction to the organization and implementation of programming languages with examples drawn from a number of important languages. Prerequisite: Computer Science 253 (or Physics 351) and Computer Science 265. 1 term — 3 hours. Normally offered each spring semester.

Computer Science 353 — Architecture of Computer Systems. This course deals with the structure and operation of the major hardware components of a computer. Topics include basic logic design, CPU construction, and computer architecture. Prerequisites: Computer Science 253 (or Physics 351) and Computer Science 265. 1 term — 3 hours. Normally offered each spring semester.
Computer Science 355 — Operating Systems.
Concepts of operating systems and their relationship to computer architecture. Topics include scheduling, memory management, resource allocation, multiprogramming and concurrent processes. Prerequisites: CMPSC 232, CMPSC 253 (or Physics 351) and CMPSC 265. 1 term — 3 hour. Normally offered each fall semester.

Computer Science 356 — Operating Systems Laboratory. An intensive programming laboratory for CMPSC 355, Operating Systems. Prerequisites: same as for CMPSC 355 which should be be taken concurrently. 1 credit (3 class hours). Generally offered each fall semester.

Computer Science 365 — Computer Networks.
Packet switching, network architecture, data link networks, transport session and protocols from physical to application layer and from local networks to satellite networks. Some standard protocols will be used as examples. Prerequisites: Computer Science 253 (or Physics 351) and Computer Science 265. 1 term — 3 hours. Normally offered in alternate years.

Computer Science 376 — Introduction to Computer Graphics. An introduction to standard graphics input and display devices and algorithms. Topics include graphics languages, geometric modeling, hidden-surface and shading algorithms, with applications in Computer Assisted Design. Prerequisite: CMPSC 232 and CMPSC 265. 1 term — 3 hours. Normally offered in alternate fall semesters.

Computer Science 393 — Special Topics in Computer Science. Content, Prerequisites and hours to be announced.

Computer Science 453 — Analysis of Algorithms. Basic principles of algorithm analysis. Topics to be chosen from techniques of efficient programming, string matching algorithms, graph algorithms, analysis of sorting and searching, matrix algorithms, integer and polynomial arithmetic, NP-hard and NP-complete problems. Prerequisites: Computer Science 265, Mathematics 261 and Mathematics 281. 1 term — 3 hours. Normally offered in alternate years.

Computer Science 463 — Formal Languages and Automata. Formal aspects of language: syntax, grammars, automata, Turing machines, computational complexity, computability, etc. Prerequisites: Computer Science 132 and Mathematics 281. 1 term — 3 hours. Normally offered in alternate years.

Computer Science 564-566 — Advanced Studies in Computer Science. Directed readings, lectures, seminars and research in areas of special interest. Content and hours to be arranged.
Co-Directors: Harris, Wilkins.

Advisory Committee: Sartwell (Chairperson), Harris, Weitz, Wilkins.

The major in Dramatic Arts is a cooperative program of the Departments of Communications and Speech, English, and Humanities and Modern Languages. Requirements for the major are 30 hours of work in approved courses from the English and Communications and Speech Departments. Within the Dramatic Arts program, students may concentrate in dramatic literature, or in acting, directing, or technical theater. A concentration in dramatic literature includes courses in classical British, and American drama, offered by the Department of English, and courses in European drama, offered by the Department of Humanities and Modern Languages. English 113-114, Masters of the Drama I and II, are required of all Dramatic Arts majors. The 12 hours of English required for all undergraduate degrees do not count as part of the Dramatic Arts major program. A concentration in acting, directing or technical theater includes courses offered by the Department of Communications and Speech, which provide both theory and training in acting, directing, play production and stagecraft. Students will be assigned an advisor from the Department of their concentration.

**Major Courses in Communications and Speech for Dramatic Arts**
(See course descriptions in Communications and Speech section)

Communications and Speech 225 Theater Arts
Communications and Speech 327 Theater Workshop
Communications and Speech 265 Oral Interpretation
Communications and Speech 365 Oral Performance
Communications and Speech 229 Acting I
Communications and Speech 329 Acting II
Communications and Speech 425 Directing
Communications and Speech 227 Play Production

**Major Courses in English for Dramatic Arts**
(See course descriptions in English section)

English 324 Shakespeare’s Comedies
English 326 Shakespeare’s Tragedies
English 325 Shakespeare’s Histories
English 315 Classical Drama
English 333 English Drama, 1590-1700
English 368 Modern British Drama
English 369 Modern American Drama
English 377 The World on Film
English 374 Drama Seminar

**Major Courses in Humanities and Modern Languages**
(See course descriptions in Humanities and Modern Languages)

French 320 French Classical Drama
French 324 Twentieth Century French Theater
German 501 Independent Study
Spanish 403 Masterpieces of the Spanish Theater
Walter M. Burse Forensic Society
The Department of Communications and Speech sponsors and supervises the Walter M. Burse Forensic Society. The purpose of this organization is to help students develop and master techniques of argumentation and oral communication. After working on campus, members participate in intercollegiate debate and speech tournaments at other colleges and universities throughout the United States.

Each year, the Department of Communications and Speech sponsors a High School Debate Tournament and a College Speech and Debate Tournament.

No previous debate or speech experience is required for membership in the Walter M. Burse Forensic Society. Any undergraduate student at Suffolk University is eligible. Suffolk is also a member of the National Forensic Society, Delta Sigma Rho-Tau Kappa Alpha.

Dramatic Arts
The major in Dramatic Arts is a cooperative program of the Department of Communications and Speech, the Department of English and the Department of Humanities and Modern Languages. A student may elect either the B.A. or B.S. degree, and will be assigned an advisor from the Department of his/her intended concentration: from the Department of Communications and Speech if the concentration is in acting, directing or technical theatre and from the Department of English if the concentration is in dramatic literature.

A major in Dramatic Arts consists of 15 semester hours of Communications and Speech; 15 hours of English in addition to the required Freshman and Sophomore English requirements. Other courses recommended are those in French, German, or Spanish dramatic literature, in translation, offered by the Department of Humanities and Modern Languages. Dramatic Arts majors must take Masters of the Drama I and II, Introduction to Theatre Arts, and Acting I.

Dramatic Arts majors are encouraged to participate in all Suffolk Student Theatre programs and productions as well as working as production interns for Suffolk Theater Company at Suffolk University.

Suffolk University Theater Company
The Department of Communications and Speech supervises and partially funds the Suffolk University Theater Company, the oldest professional, non-profit university resident theater in Boston. Using the 650 seat university theater, the company provides the best of traditional theater, a platform for new playwrights, and a center for the increased development and exposure of the performing arts in Massachusetts. These programs serve to strengthen the humanities offerings at the University by providing students, faculty, and staff the opportunity to view and directly participate in professional theater.
Economics

Professor: Tuerck (Chairperson)
Associate Professors: Mohtadi, Sawhney, Shannon
Master Lecturers: Foglia, Kafi
Senior Lecturers: Carilli, Doyle, Keefe, Ucer

The Department offers three majors: Economics, Applied Economics and Computer Technology, and International Economics (offered jointly with the Department of Humanities and Modern Languages).

Major in Economics
The Department offers the B.A. and B.S. degrees in Economics. Students may choose three “tracks” or areas of concentration. Each track requires the student to complete the following courses:

<table>
<thead>
<tr>
<th>General Major Requirements</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 281 (Principles of Economics — Micro)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 282 (Principles of Economics — Macro)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science F213 (Computer Applications in the Social Sciences or any course in Computer Science or in Computer Information Systems)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 291 (Introduction to Statistics I)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 292 (Introduction to Statistics II)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 381 (Intermediate Micro Theory)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 382 (Intermediate Macro Theory)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 383 (Money and Banking)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 384 (Junior Seminar in Economics)</td>
<td>3</td>
</tr>
<tr>
<td>Economics 481 (Senior Seminar in Economics)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Track A, Concentration in Econometrics** is intended for students who anticipate careers as economists in industry, government, or graduate study in Economics. It emphasizes economic model building and forecasting. Students choosing this track must, in addition to the general major requirements listed above, take Economics 411 and 412 (Econometrics I and II). They must also take Mathematics 161-162 (Calculus I and II), which they may use to satisfy the College requirement for an Introductory Mathematics sequence.

**Track B, Concentration in Economic Decision Making** is intended for students who anticipate careers as professional economists in industry. Students choosing this track must, in addition to the general major requirements listed above, take Economics 321 and 322 (Managerial Economics I and II).

**Track C, Concentration in Economic Policy** is intended for prelaw students and for students who anticipate careers in public service. It emphasizes the economic basis of public policy. Students choosing this track must, in addition to the general major requirements listed above, take Economics 433 (Public Choice) and one additional course in Economics.

Major in Applied Economics and Computer Technology
The major in Applied Economics and Computer Technology provides instruction in economics, business, and computer science. It includes the near equivalent of a major in economics, a minor in computer science, and a minor in general business studies. It is intended to prepare students for entry-level positions that involve computer utilization in Applied Economics.

The requirements for the B.A. or B.S. in Applied Economics and Computer Technology are as follows:
### Freshman

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>English (ENG 101)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Integrated Studies (IS 111)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Calculus I (MATH 161)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Comp Prog I (CMPSC 131)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Univ Physics (PHY 151 &amp; L151)</td>
<td>4</td>
</tr>
</tbody>
</table>

### Sophomore

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>English (ENG 213)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Accounting I (ACCT 211)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Speech (CISP 105)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Principles of Econ-Micro (EC 281)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Intro to Microprocessors (PHY F351)</td>
<td>4</td>
</tr>
<tr>
<td>Fall</td>
<td>English (ENG 214 or 215)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Accounting II (ACCT 212)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Logic (PHIL 113)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Principles of Econ-Macro (EC 282)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Data Structures &amp; Algorithms (CMPSC 265)</td>
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### Junior

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Intro to Stat I (EC 291)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Programming Laboratory in LISP (CMPSC 233)</td>
<td>1</td>
</tr>
<tr>
<td>Fall</td>
<td>Intermediate Macro Theory (EC 382)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Gen Psych (PSY 114)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Soc Science requirement in History (B.A. only)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Humanities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Intro to Stat II (EC 292)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Money &amp; Banking (EC 383)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Prolog and Expert Systems (CMPSC 243)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>Intermediate Micro Theory (EC 381)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>Humanities requirement</td>
<td>3</td>
</tr>
</tbody>
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### Senior

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Fall</td>
<td>Managerial Econ I (EC 321)</td>
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</tr>
<tr>
<td>Fall</td>
<td>Econometrics I (EC 411)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Comp Prog Language (CMPSC 221/222 or 225)</td>
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<tr>
<td>Fall</td>
<td>Industrial Organ (EC 303)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Business Finance (FIN 310)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Principles of Mgmt (MGT 310)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Free Elective (B.S. only)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Managerial Econ II (EC 322)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>or Econometrics II (EC 412)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Industrial Psych (PSY 243)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Principles of Mktg (MKT 310)</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Humanities requirement</td>
<td>3</td>
</tr>
<tr>
<td>Fall</td>
<td>Free Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

### Freshman

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>English (ENG 102)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>Integrated Studies (IS 112)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>Calculus II (MATH 162)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>Comp Prog II (CMPSC 132)</td>
<td>3</td>
</tr>
<tr>
<td>Spring</td>
<td>Univ Physics (PHY 152 &amp; L152)</td>
<td>4</td>
</tr>
</tbody>
</table>
Major in International Economics
The Department of Economics offers jointly, with the Department of Humanities and Modern Languages, the B.A. and B.S. degrees in International Economics. Refer to appropriate section of this catalog.

Minor in Economics
Course requirements for the minor in Economics are as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics 281 Principles of Economics — Micro</td>
<td>3</td>
</tr>
<tr>
<td>Economics 282 Principles of Economics — Macro</td>
<td>3</td>
</tr>
<tr>
<td>Economics 291 Introduction to Statistics I</td>
<td>3</td>
</tr>
</tbody>
</table>
| Economics 292 Introduction to Statistics II or
| Economics 383 Money and Banking                   | 3         |
| Economics 381 Intermediate Micro Theory                    | 3         |
| Economics 382 Intermediate Macro Theory                | 3         |

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Honors in Economics. Graduating majors in Economics with at least a 3.5 average in their Economics courses and with at least a B+ in the Senior Seminar receive a Certificate of Honors in Economics.

Omicron Delta Epsilon. Membership in Omicron Delta Epsilon, the international honor society in Economics, is available to juniors and seniors who have a grade point average of B or better in at least four Economics courses and who have maintained an overall grade point average of B or better. The Suffolk University chapter of Omicron Delta Epsilon sponsors seminars for students and faculty. Members receive a certificate recognizing their scholastic achievement and have the opportunity to enter an economics writing contest.
Economics Courses


Economics 282 — Principles of Economics — Macro. Analysis of the behavior of the economic system viewed as a whole. Aggregate economic indicators such as GNP, unemployment, economic growth, and inflation. The role of government and of governmental monetary and fiscal policy in determining aggregate economic behavior. Problems of economic instability and economic policy as it contributes to or offers a method of reducing economic instability. The role of financial markets in aggregate economic activity and in the transmission to the aggregate economy of government policy choices. Prerequisite: EC 281. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every semester.

Economics 291 — Introduction to Statistics I. Fundamentals of economic and business statistics. Collection and presentation of data; frequency distributions; measures of central tendency, dispersion, and skewness; binomial, Poisson, and normal probability distributions; sampling, tests of hypotheses, and simple regression and correlation. Prerequisite: two semesters of mathematics. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every semester.

Economics 292 — Introduction to Statistics II. Continuation of Introduction to Statistics I: Analysis of variance, nonparametric tests of hypotheses, multiple regression and correlation, introduction to time series analysis, introduction to decision making under uncertainty, Bayes’ theorem, and index numbers. Prerequisite: EC 291 or MATH 113 or PSY 215. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every semester.


Economics 304 — Public Finance. Sources of federal, state and local tax revenue; public expenditures and the fiscal principles which govern them; public debt and methods of financing; shifting and incidence of taxes. Prerequisite: EC 282. 1 term — 3 semester hours. Normally offered every third year.


Economics 322 — Managerial Economics II. Forecasting and decision making under uncertainty. Demand estimation, decision analysis, Bayesian methods, and game theory. Prerequisite: EC 321. 1 term — 3 semester hours. Normally offered every year.

Economics 381 — Intermediate Micro Theory. Application of the methods of neoclassical economics to the analysis of individual consumers, producers, and markets. The theory of exchange; maximization of utility and of profit under alternative assumptions concerning market structure; product prices and factor returns under perfect competition, monopoly, and monopsony. Analysis of the household utility function and of the firm production function. The behavior of firm costs under constant, increasing, and decreasing returns to scale. The supply and demand for final goods and the derived demand for factors. Prerequisite: EC 282. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every year.
Economics 382 — Intermediate Macro Theory. Application of the methods of neoclassical and of Keynesian economics to the analysis of aggregate economic activity. Analysis of aggregate economic indicators under conditions of price flexibility and of price stickiness. Rational and adaptive expectations. Transmission to the aggregate economy of changes in tax law, government purchases and entitlements, monetary policy, and deficit levels. The effectiveness or ineffectiveness of policy changes for their influence on nominal and on real economic activity. Prerequisite: EC 282. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every year.


Economics 384 — Junior Seminar in Economics. Methods of conducting and presenting research in economics. Written and oral presentation of research findings. Identification and presentation of data, use of the library and other sources of material. Integration of economic models and empirical results into the written text of a research paper. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every year.


Economics 412 — Econometrics II. Continuation of Econometrics I: Instrumental variables, lags, and the identification and estimation of simultaneous equation models. Prerequisite: EC 411. 1 term — 3 semester hours. Normally offered every other year.

Economics 433 — Public Choice. Applications of economic analysis to the study of political behavior. Economic theories of voter and of bureaucratic choice. The voluntary-exchange approach to public policy. The possibility or impossibility of a social welfare function and alternative approaches to the problem of maximizing social welfare. Cost-benefit analysis and the consideration of externalities as a basis for government regulation. Prerequisite: EC 282. 1 term — 3 semester hours. Normally offered every year.

Economics 441 — International Trade. The theory of international trade and of tariffs and other barriers to trade. Trade practices of the United States and of developing countries. Economic integration and other multilateral approaches to trade liberalization. Prerequisite: EC 282. 1 term — 3 semester hours. Normally offered every year.

Economics 442 — International Monetary Relations. The balance of payments and foreign exchange markets and instruments. Balance-of-payments adjustments under alternative exchange-rate systems, international liquidity, and international economic policy. Prerequisite: EC 282. 1 term — 3 semester hours. Normally offered every year.


Economics 484 — Senior Seminar in Economics. Methodological issues in Economics and issues in the natural sciences and humanities that relate to Economics. Review of important topics in Economics as they have evolved from the classical era to the present. Students will write a senior thesis applying scientific methods to a research topic chosen in consultation with the instructor. Prerequisites: EC 282 and 291. Required of all majors in Economics. 1 term — 3 semester hours. Normally offered every year.
Economics 503 — Internship in Economics. Approximately 12 hours working in a position designed to give the student responsibility and learning opportunity. Interested students should consult the instructor in advance. Prerequisite: Consent of the instructor. 1 term — 3 semester hours. Normally offered every semester.

Economics 505 — Studies in Economics. Hours and credits arranged to suit the needs of students for directed study and research in Economics. Prerequisite: Consent of the instructor. 1 term — 3 semester hours.

Economics 507 — Colloquium. Students research and discuss a current economic issue. Topics will vary; e.g., the evolving financial system, population dynamics, women in the economy, tax reform, the economics of energy, auditing and presidential candidates. Prerequisite: Consent of the instructor. 1 term — 3 semester hours.
Department of Education & Human Services

Professors: Ash, Eskedal (Chairperson), Lewandowski, McCarthy, Perlman
Associate Professor: Mahoney, Shatkin, Winters
Assistant Professor: Sartwell
Senior Lecturers: Dahlborg, Drown, Meggison, Zifcak
Lecturers: Alexander, Aptaker, Barker, Barrows, Burke, Copell, Cowan, Fienman, Felice, Kennedy, Kremgold-Barrett, Kubacki, Martin, Neale, Thayer, Quintiliani

Requirements for Degrees in Education

The course of study recommended by the Department of Education & Human Services for elementary or secondary school teacher preparation may lead to either the B.A. or B.S. degree. All students in elementary or secondary education must complete all required education courses as well as pre-practicum and practicum field based experiences appropriate to their specific program.

All undergraduate students planning to enroll in teacher education programs must submit a formal application for admission to the Department subsequent to enrollment in the University. Application forms are available in the Education Department Office.

The curricula for teacher training are planned to enable students in these programs to meet the requirements for teacher certification in the Commonwealth of Massachusetts. Those wishing to teach in states other than Massachusetts should write directly to the Department of Education of those states.

Media and instructional technology: All students in the teacher education programs will be introduced to and provided with the opportunity for developing basic skills in the operation and use of media hardware. Students will be required to design and produce media software appropriate to subject matter learning activities.

Changes in student programming must be approved in writing by a member of the Department. Failure to comply with this regulation may result in a loss of credit toward graduation.

The Department faculty wishes to emphasize that they reserve the right to require the withdrawal of a student from teacher education if, in their estimation, the probability of success in teaching is doubtful. While the academic average of a student is not the sole factor in the determination of such success (others are interest, effort, personality, and proficiency in skill subjects), it is especially important that a student maintain a high academic average.
A minimum overall grade point average of 2.2 is required for continuance as a degree candidate in teacher education. Elementary Education majors must earn a minimum grade of C in the following courses:


A student concentrating in Secondary Education must maintain a minimum grade point average of 2.2 in the teaching-subject major and a minimum grade of C in the required education courses. A student who is reasonably close to achieving the minimum grade point average may request special permission from the Department for the privilege of continuing in teacher education.

**Minor in Adult/Business Education.** The Department offers a minor in Adult/Business Education which is intended for those students who may wish to serve adults in diverse aspects of continuing education. A description of the minor may be found following the listing of the Business Education Programs in this section.

**Curriculum Materials Center.** The Curriculum Materials Center, located in the Fenton Building, houses a growing collection of elementary and secondary instructional materials and teacher support resources. Holdings include many of the new business science, social studies, mathematics, and language arts/reading programs in use today as well as materials used in remedial and special needs applications. The Center is utilized by students for research and report activities related to the teacher education programs and by faculty as a resource for hands-on demonstration or class activities. Whole classes meet in the Center to take full advantage of the array of materials and hours are posted each semester for research and browsing purposes. Many instructional items are available to students on a short-term loan basis.

**Pre-Practicum Experience Requirements.** Before a candidate applies for the Elementary Education practicum (student teaching), they must complete five of the education method courses which form the core of the elementary education program (EHS 333, EHS 334, EHS 335, EHS 336, EHS 433) and the three courses EHS 503, EHS 335 and EHS 433) which include substantial field-based training.

Before a candidate in Secondary Education applies for the practicum experience (student teaching), they must complete all education courses appropriate to their program of study. For Business Education majors, three education courses will contain substantial field-based training which includes observation in the classroom, tutoring, and work with small groups. Those courses are: EHS 320, EHS 503 and EHS 507.

Other secondary education majors must complete three education courses prior to the practicum (student teaching) experience and those courses are EHS 503, EHS 505 and EHS 507.
Practicum Student Teaching Experience

The practicum experience is the final professional experience for students in teacher education programs. It is in this extensive practicum that prospective teachers can experience all the varied roles of the classroom teacher. The elementary and secondary practicum must be full-time for 12 weeks and include at least 300 clock hours at the practicum site. The candidate must take on clear instructional responsibility for at least half of this time and the full responsibilities of the role for a substantial period. Evaluation of all professional activities will be completed by joint supervision consisting of a representative of the Education Department and the cooperating teacher. Internships and apprentice programs are possible options in select cases.

Special Regulations Concerning Student Teaching Practicum

1. A practicum may be taken only by college seniors and graduate students. Undergraduates must be concentrating in Elementary or Secondary Education.

2. Students wishing to elect the practicum experience must submit a written application to the Director of Student Teaching (by October 1 during the fall semester; by March 1 during the spring semester). The practicum cannot be elected by transfer students before their second semester of residence. Students who have submitted applications for the practicum must notify in writing the Director of Student Teaching should it become necessary to cancel their plans to student teach. Failure to do so before the registration period will result in the student being withdrawn from the teacher education program.

3. Student teachers must be available for school assignments every day. Each undergraduate in Education should plan to attend at least one summer session, if they have not already done so, in order to lighten their academic schedule for the semester in which they undertake student teaching.

4. The student teaching practicum involves a minimum of twelve consecutive weeks (300 clock hours) of observation and teaching in the cooperating school.

5. Student teachers are required by Massachusetts law to have a tuberculin test (Mantoux) prior to the initiation of student teaching. The tuberculin test certificate should be submitted to the school system when requested.

6. All students concentrating in Elementary or Secondary Education must demonstrate proficiency in the areas of Speech and English prior to student teaching.

7. All students in Elementary Education should have completed at least five of the required education method courses before initiating student teaching (EHS 333, EHS 334, EHS 335, EHS 336, EHS 433) and three education courses (EHS 503, EHS 335, EHS 433) which include substantial field based training. All students in Secondary Education should have completed all education courses appropriate to their specific program.
Cooperating School Systems With the cooperation of the superintendents, or headmasters and principals, and of a large number of classroom teachers, Suffolk students have fulfilled the practicum portion of the teacher education program in the schools of eastern Massachusetts cities and towns. The supervising faculty of the Department together with the cooperating teachers have been able to make this one semester experience both practical and meaningful.

Advisors for Students in Education & Human Services Suffolk University is a member of the American Association of Colleges for Teacher Education. Suffolk's membership in the Association is predicated upon the fact that teacher education is a vital concern of the entire University. Consequently, responsibility for and interest in Suffolk's teacher education programs involve personnel throughout the College of Liberal Arts and Sciences. The Department Chairpersons and the Department of Education & Human Services are especially eager that students in the teacher preparation programs receive the professional assistance so vital in the shaping of a rewarding and meaningful academic career.

Students are encouraged to meet often with their major advisors in Education. The advisors listed below have been designated for the following programs.

Business Education Professor Barbara Ash
Elementary Education Professor Sheila Mahoney
Secondary Education Professor Stephen Shatkin

Massachusetts Certification All of the Suffolk University's programs in education which train personnel for public schools are accredited by the State Department of Education. Thus, graduates are eligible for certification in Massachusetts. However, application for certification must be made by the graduate directly to the State Department. In addition to the application, a practicum report and an official transcript must be submitted. The State Department also requires a fee, proof of good health, and sound moral character. Certain programs in Education have been approved by the State Department of Education for inclusion in the reciprocity privileges of the Interstate Certification Compact.

Elementary School Teaching (Grades 1-6) The undergraduate program in elementary education is designed to provide training in the essential teaching competencies, principles of curriculum design and instruction, and the social and cultural perspectives necessary for professional understanding and growth. Courses such as Foundations of Education, and the Elementary Methods Courses in Reading and Competencies allow the student opportunities to observe and participate in actual classroom settings. Elementary education majors also fulfill the requirement of a minor concentration by choosing six courses in an additional field of study. The courses of study are listed as follows:
### B.A. Degree
(122 Semester Hours)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year English</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>6</td>
</tr>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Sociology</td>
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<tr>
<td>Psychology</td>
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</tr>
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<td>Foreign Language</td>
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<table>
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<th>Sophomore</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Year English</td>
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<tr>
<td>Natural Science</td>
<td>8</td>
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<tr>
<td>*Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
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<tr>
<td>Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>Econ/Govt Requirement</td>
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<tr>
<td><strong>Total</strong></td>
<td>32</td>
</tr>
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<table>
<thead>
<tr>
<th>Junior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>El Methods: Science, Phys. Ed, Health</td>
<td>3</td>
</tr>
<tr>
<td>El Methods: Lang Arts, Social Studies</td>
<td>3</td>
</tr>
<tr>
<td>*El Methods: Reading</td>
<td>3</td>
</tr>
<tr>
<td>El Methods: Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>El Methods: Math</td>
<td>3</td>
</tr>
<tr>
<td>Attitudes &amp; Issues in Special Ed</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
<td>30</td>
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<table>
<thead>
<tr>
<th>Senior</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Electives</td>
<td>12</td>
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<tr>
<td>*Teaching Competencies</td>
<td>6</td>
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<td>Humanities</td>
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<tr>
<td>Practicum: El Student Tch</td>
<td>9</td>
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<tr>
<td><strong>Total</strong></td>
<td>30</td>
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</table>

*Education Courses with field based component

### B.S. Degree
(122 Semester Hours)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>First Year English</td>
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<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Sem. Hrs.</th>
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<tr>
<td>Second Year English</td>
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<td>Natural Science</td>
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<td>*Foundations of Education</td>
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<tr>
<td>Educational Psychology</td>
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<td>Speech</td>
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<td>Elective</td>
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<td>Philosophy</td>
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<tr>
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<tbody>
<tr>
<td>El Methods: Science, Phys Ed, Health</td>
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<td>El Methods: Lang Arts, Social Studies</td>
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<td>El Methods: Math</td>
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<td>El Methods: Creative Arts</td>
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<td>Attitudes &amp; Issues in Special Ed</td>
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<tr>
<td>Electives</td>
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<td>History</td>
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<table>
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<td>Electives</td>
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<td>Practicum: El Student Tch</td>
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<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

*Education Courses with field based component

*Education Courses with field based component
Lawyer’s Assistant Certificate Program

Program Advisors: Ms. Lynn Dahlborg, Dr. Sheila Mahoney, Dr. Glen Lewandowski

Admissions Requirements
All candidates desiring to be considered for admission to the Lawyer’s Assistant Certificate Program must meet one of the following admission requirements:

1. Have earned 30 credits from an accredited post secondary institution or;

2. Be recommended in writing by (a) supervising attorney(s) who will attest to the candidate’s successful employment for the equivalent of two years performing suitable and significant tasks in an appropriate law-related setting or;

3. Hold a Bachelor’s degree from an accredited institution.

The Lawyer’s Assistant Certificate Program will consist of ten three-credit courses: five required courses and five electives, for a total of 30 credit hours for certificate completion.

The courses in this particular program are not intended for pre-legal study, but for a law employment credential.

Required Courses:
EHS 360 Fundamentals of Legal Assisting
EHS 361 Legal Research and Writing
EHS 362 Civil Litigation and Procedures
EHS 363 Law of Contracts
EHS 364 Law Office Administration

Elective Courses:
EHS 365 Estates and Trusts
EHS 366 Law of Business Organization
EHS 367 Criminal Litigation
EHS 368 Real Estate Law
EHS 369 Domestic Relations
EHS 370 Administrative Law
EHS 371 Consumer Law
EHS 372 Environmental Law
EHS 373 Administration of Estates and Trusts
EHS 374 Personal Injury Law

Secondary School Programs in Business Education

There are two major components to the Programs in Business Education.

- Business Teacher Education Concentrations.*
- Office Systems Concentration.

Both of these concentrations lead to a Bachelor of Science Degree and are open to high school graduates and transfer students from secretarial and business management programs in approved junior and senior institutions.

Bachelor of Science Degree — Teacher Education Concentrations*

Graduates of these programs are certified by the Massachusetts State Department of Education for certification both in Massachusetts and in states which hold membership in the Interstate Certification Compact. Majors develop competencies which qualify them to teach a variety of business subjects including accounting, information processing, general business courses, and secretarial skills.

- Option A — Teacher of Business Certificate (5-12)
- Option B — Teacher of Secretarial Skills Certificate (5-12)
- Option C — Teacher of Business Management Certificate (5-12)

*Note: Students wishing to pursue training careers in business and industry may replace the student teaching practicum with 9 credits of required courses, including a training internship. Students selecting this option will NOT be granted certification by the Massachusetts State Department of Education.
Bachelor of Science Degree — Office Systems Concentration

Graduates of these programs are trained for careers as office supervisors and administrative office managers.

- Option D — Office Systems Program (No Teaching Certificate)

A maximum of 60 credits and/or the associate degree from approved institutions will be accepted toward the B.S. degree. Transfer candidates with less than 30 transfer credits and high school graduates will pursue the four-year option. Transfer candidates with 31 or more hours of transfer credit will pursue the transfer option.

For those individuals entering the Business Education Program without a background in skills, credits may be earned and applied toward the degree. Candidates passing competency examinations in skills courses may replace designated skills courses with elective courses at the discretion of the faculty adviser. All skills credits may be applied ONLY to the B.S. in Business Education.

Degree candidates are advised to consult with Dr. Barbara F. Ash, Director, Business Education Programs.

Program in Business Education and Office Technologies
Bachelor of Science Degree

Option A (Four-Year*) — Teacher of Business Certificate (122 semester hours)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Integrated Studies</td>
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<td>Shorthand/Transcription</td>
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<tr>
<td>Typewriting/Word-Information Processing</td>
<td>6</td>
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<td>Foundations of Education²</td>
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<td>Humanities Requirement¹</td>
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<td>Methods of Teaching Information Processing</td>
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<td>Business Law</td>
<td>3</td>
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<td>Introduction to Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>End User Computing</td>
<td>3</td>
</tr>
<tr>
<td>Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Basic Business Subjects</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Keyboarding and Office Systems</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Senior</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Methods of Teaching Shorthand and Transcription</td>
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</tr>
<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Reading, Communication, and Mathematics Skills for Secondary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Bookkeeping, Accounting, Data Processing, and Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputers for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Micro-computer Applications for Business Education</td>
<td>3</td>
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<tr>
<td>Practicum (Secondary Student Teaching)¹</td>
<td>9</td>
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</tbody>
</table>

| Total | 30 |

*For candidates with fewer than 30 semester hours of transfer credit.

Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.
Program in Business Education and Office Technologies

Bachelor of Science Degree

OPTION A (Transfer*) — Teacher of Business Certificate
(122 semester hours)

Freshman  

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>First-Year English</td>
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<td>Shorthand/Transcription</td>
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<td>Principles of Accounting</td>
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<tr>
<td>College Mathematics</td>
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<td>Communications/Speech</td>
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Sophomore  

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>Business Law</td>
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<tr>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Word/Information Processing</td>
<td>3</td>
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<tr>
<td>Methods of Teaching Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>Office Procedures/Administration</td>
<td>3</td>
</tr>
<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>6</td>
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<tr>
<td>Principles of Economics</td>
<td>6</td>
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Junior  

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Introduction to Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>End User Computing</td>
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<td>English Sequence</td>
<td>6</td>
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<td>Humanities Requirement</td>
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<tr>
<td>Methods of Teaching Basic Business Subjects</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Keyboarding and Office Systems</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science Requirement</td>
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82

Senior  

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>Reading, Communication, and Mathematics Skills for Secondary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Shorthand and Transcription</td>
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<td>Foundations of Education</td>
<td>3</td>
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<tr>
<td>Educational Psychology</td>
<td>3</td>
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<tr>
<td>Methods of Teaching Bookkeeping, Accounting, Data Processing, and Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputers for Business Education</td>
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<td>Micro-computer Application for Business Education</td>
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<tr>
<td>Practicum (Secondary Student Teaching)</td>
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</tbody>
</table>

90

*For candidates with 30 or more semester hours of transfer credit.

Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.

1*Humanities Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.
2*Course(s) satisfy the Social Science requirements.
3*Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.
4*All required Business Education methods courses MUST be completed prior to commencing the practicum (secondary student teaching). It is recommended that no more than one course be taken concurrently with student teaching.

Students pursuing the business/training option may replace the practicum (secondary student teaching requirement) with the following courses: EHS 515, EHS 523, and EHS 524. Students selecting this option will NOT be granted certification by the Massachusetts State Department of Education.
Program in Business Education and Office Technologies
Bachelor of Science Degree
OPTION B (Four-Year*) — Teacher of Secretarial Skills Certificate
(122 semester hours)

Freshman

<table>
<thead>
<tr>
<th></th>
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Sophomore

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Junior

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<thead>
<tr>
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Senior

<table>
<thead>
<tr>
<th>Office Administration</th>
<th>Methods of Teaching Shorthand and Transcription</th>
<th>Business Communications</th>
<th>Reading, Communication, and Mathematics Skills for Secondary Teachers</th>
<th>Microcomputers for Business Education</th>
<th>Elective</th>
<th>Micro-computer Applications for Business Education</th>
<th>Practicum (Secondary Student Teaching)</th>
<th>Sem. Hrs.</th>
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<tbody>
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<td>9</td>
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</tr>
</tbody>
</table>

*For candidates with fewer than 30 semester hours of transfer credit.

Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.

1Humanities Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

2Course(s) satisfy the Social Science requirements.

3Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

4All required Business Education methods courses MUST be completed prior to commencing the practicum (secondary student teaching). It is recommended that no more than one course be taken concurrently with student teaching.

Students pursuing the business/training option may replace the practicum (secondary student teaching requirement) with the following courses: EHS 515, EHS 523, and EHS 524. Students selecting this option will NOT be granted certification by the Massachusetts State Department of Education.
**Program in Business Education and Office Technologies**

**Bachelor of Science Degree**

**OPTION B (Transfer*) — Teacher of Secretarial Skills Certificate**

(122 semester hours)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>First-Year English</td>
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<td>Typewriting</td>
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</tr>
<tr>
<td>Principles of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Major Field/Skills</td>
<td>3</td>
</tr>
<tr>
<td>College Mathematics</td>
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<tr>
<td>Communications/Speech</td>
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<td><strong>Total</strong></td>
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<tbody>
<tr>
<td>Business Law</td>
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<td>Major Field/Skills</td>
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<tr>
<td>Word-Information Processing</td>
<td>3</td>
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<tr>
<td>Methods of Teaching Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>Office Procedures/Administration</td>
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<tr>
<td>Business Communications</td>
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<tr>
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<table>
<thead>
<tr>
<th>Junior</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Computer Information Systems</td>
<td>3</td>
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<tr>
<td>End User Computing</td>
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</tr>
<tr>
<td>English Sequence</td>
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</tr>
<tr>
<td>Humanities Requirement¹</td>
<td>6</td>
</tr>
<tr>
<td>Methods of Teaching Basic Business Subjects</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Keyboarding and Office Systems</td>
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<tr>
<td>Natural Science Requirement¹</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
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<table>
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<td>Reading, Communication, and Mathematics Skills for Secondary Teachers</td>
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<tr>
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<td>Educational Psychology²</td>
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<td>Elective</td>
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<tr>
<td>Microcomputers for Business Education</td>
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</tr>
<tr>
<td>Micro-computer Applications for Business Education</td>
<td>3</td>
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<tr>
<td>Practicum (Secondary Student Teaching)³</td>
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</tbody>
</table>

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³Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

⁴All required Business Education methods courses MUST be completed prior to commencing the practicum (secondary student teaching). It is recommended that no more than one course be taken concurrently with student teaching.

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Program in Business Education and Office Technologies
Bachelor of Science Degree

OPTION C (Four-Year*) — Teacher of Business Management Certificate
(122 semester hours)

<table>
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<td>Humanities Requirement¹</td>
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Total: 30

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<td>Second-Year English</td>
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<td>Mathematics</td>
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<tr>
<td>Principles of Accounting</td>
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<tr>
<td>Methods of Teaching Information Processing</td>
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<td>Educational Psychology²</td>
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Total: 30

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<tr>
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<td>Business Law</td>
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<tr>
<td>Introduction to Computer Information Systems</td>
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<td>End User Computing</td>
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<td>Office Administration</td>
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Total: 32

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<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Reading, Communication, and Mathematics Skills for Secondary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Bookkeeping, Accounting, Data Processing, and Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputers for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Keyboarding and Office Systems</td>
<td>3</td>
</tr>
<tr>
<td>Micro-computer Applications for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Practicum (Secondary Student Teaching)⁴</td>
<td>9</td>
</tr>
</tbody>
</table>

Total: 30

*For candidates with fewer than 30 semester hours of transfer credit.

Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.

¹Humanities Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

²Course(s) satisfy the Social Science requirements.

³Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

⁴All required Business Education methods courses MUST be completed prior to commencing the practicum (secondary student teaching). It is recommended that no more than one course be taken concurrently with student teaching.

Students pursuing the business/training option may replace the practicum (secondary student teaching requirement) with the following courses: EHS 515, EHS 523, and EHS 524. Students selecting this option will NOT be granted certification by the Massachusetts State Department of Education.
**Program in Business Education and Office Technologies**

**Bachelor of Science Degree**

OPTION C (Transfer*) — Teacher of Business Management Certificate

(122 semester hours)

### Freshman

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year English</td>
<td>6</td>
</tr>
<tr>
<td>Major Field (Management/Business Administration)</td>
<td>12</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>6</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Communications/Speech</td>
<td>3</td>
</tr>
</tbody>
</table>

30

### Sophomore

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Law</td>
<td>6</td>
</tr>
<tr>
<td>Major Field (Management/Business Administration)</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement¹</td>
<td>6</td>
</tr>
<tr>
<td>Principles of Economics²</td>
<td>6</td>
</tr>
</tbody>
</table>

30

### Junior

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>End User Computing</td>
<td>3</td>
</tr>
<tr>
<td>English Sequence</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Requirement¹</td>
<td>6</td>
</tr>
<tr>
<td>Methods of Teaching Basic Business Subjects</td>
<td>3</td>
</tr>
<tr>
<td>Economic Education: Content and Methods</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science Requirement¹</td>
<td>8</td>
</tr>
</tbody>
</table>

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### Senior

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading, Communication, and Mathematics Skills for Secondary Teachers</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Bookkeeping, Accounting, Data Processing, and Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Foundations of Education²</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology²</td>
<td>3</td>
</tr>
<tr>
<td>Methods of Teaching Keyboarding and Office Systems</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputers for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputer Applications for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Practicum (Secondary Student Teaching)²</td>
<td>9</td>
</tr>
</tbody>
</table>

30

*For candidates with 30 or more semester hours of transfer credit.

Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.

¹Humanities Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

²Course(s) satisfy the Social Science requirements.

³Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

⁴All required Business Education methods courses MUST be completed prior to commencing the practicum (secondary student teaching). It is recommended that no more than one course be taken concurrently with student teaching.

Students pursuing the business/training option may replace the practicum (secondary student teaching requirement) with the following courses: EHS 515, EHS 523, and EHS 524. Students selecting this option will NOT be granted certification by the Massachusetts State Department of Education.
# Program in Business Education and Office Technologies

## Bachelor of Science Degree

**OPTION D (Four-Year*) — Office Management Program**  
(No Teaching Certificate)  
(122 semester hours)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>First-Year English</td>
<td>6</td>
</tr>
<tr>
<td>Major Field/Skills</td>
<td>12</td>
</tr>
<tr>
<td>Word-Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total:** 30

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second-Year English</td>
<td>6</td>
</tr>
<tr>
<td>Logic/Speech</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td>Principles of Accounting</td>
<td>6</td>
</tr>
<tr>
<td>Major Field/Skills</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total:** 30

<table>
<thead>
<tr>
<th>Junior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science Requirement</td>
<td>8</td>
</tr>
<tr>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>End User Computing</td>
<td>3</td>
</tr>
<tr>
<td>Office Administration</td>
<td>3</td>
</tr>
<tr>
<td>Information Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Education Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total:** 32

<table>
<thead>
<tr>
<th>Senior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Conference and Workshop Organization and Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>Micro-computer Applications for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputers for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>Office Education Internship for Business Educators</td>
<td>9</td>
</tr>
</tbody>
</table>

**Total:** 30

*For candidates with fewer than 30 semester hours of transfer credit.

Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.

1Humanities Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

2Course(s) satisfy the Social Science requirements.

3Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.

4An elective may satisfy three credits of the internship requirement with documentation of full-time office experience or its part-time equivalent.
**Program in Business Education and Office Technologies**  
**Bachelor of Science Degree**  
**OPTION D (Transfer*) — Office Management Program (No Teaching Certificate)**  
(122 semester hours)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year English</td>
<td>6</td>
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<tr>
<td>Principles of Accounting</td>
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</tr>
<tr>
<td>College Mathematics</td>
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</tr>
<tr>
<td>Communications/Speech</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Law</td>
<td>3</td>
</tr>
<tr>
<td>Major Field/Skills</td>
<td>3</td>
</tr>
<tr>
<td>Word-Information Processing</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>Office Procedures/Administration</td>
<td>3</td>
</tr>
<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Principles of Economics</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Computer Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>End User Computing</td>
<td>3</td>
</tr>
<tr>
<td>English Sequence</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science Requirement</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference and Workshop Organization and Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>Information Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>Business Education Electives</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>Micro-computers for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Micro-computer Applications for Business Education</td>
<td>3</td>
</tr>
<tr>
<td>Office Education Internship for Business Educators</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>30</td>
</tr>
</tbody>
</table>

*For candidates with 30 or more hours of transfer credit.  
Note: Should a student change their Business Education major, the credits awarded for the skills courses will not be applied to a degree in a new major.  
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2Course(s) satisfy the Social Science requirements.  
3Natural Science Requirement. See the College of Liberal Arts and Sciences Catalog and your academic adviser for course selections.  
4An elective may satisfy three credits of the internship requirement with documentation of full-time office experience or its part-time equivalent.
Minor: Business Education/Adult-Continuing Education

To obtain a minor in Business Education/Adult-Continuing Education, a student must take 18 semester hours of course work distributed as follows:

- EHS 515 Internship for Business Educators
- EHS 521 Individualized Instruction for Business Education
- EHS 522 Continuing Education for Business
- EHS 523 Teaching Methodology and Instructional Materials for Adult Business Education
- EHS 524 Conference and Workshop Organization
- EHS 723 Life-Span Development

The 18 semester hour sequence of Business Education/Adult-Continuing Education courses provide a logical group of courses for those students in any discipline who may wish to serve adults in diverse aspects of continuing education. These settings may include health and social agencies, government, community-based schools, libraries, religious institutions, training settings in industry, and those positions which may require competencies for conducting and evaluating programs for continuing education in the professions.
Programs Leading to Certification as Secondary School Teachers in Massachusetts

In addition to the certification programs in Business Education delineated in the previous sections, and the programs outlined under the specific academic discipline portions of this catalog leading to certification as secondary school teachers of mathematics, physics, biology and chemistry, individuals who are earning or who have attained bachelors degrees in various other academic disciplines may also become certified through Suffolk University to teach in the public secondary schools of Massachusetts. These other academic disciplines are:

English, behavioral sciences, history, geography, earth science, French, German, Spanish, Italian, Russian, Polish, Portuguese, Latin and classical humanities, music, art.

Each individual's situation is evaluated and a program is planned and monitored through periodic meetings of the student with an advisor from the Education & Human Services Department of the University and an advisor from the relevant academic discipline. Students must meet the State competency requirements for the discipline chosen which generally involves the equivalent of an undergraduate major in the particular area and for the Education sequence which involves a certain set of Education and related field courses or their equivalents.

The Education sequence is comprised of the following 30 semester hours of courses:

EHS 503* Foundations of Education
EHS 504 Educational Psychology
EHS 505*-506 Curriculum and Methods of Secondary Education
EHS 507* Reading, Communication, and Mathematics Skills for Secondary Teachers

EHS 101 English Composition
CS 103 Rhetoric and Communication**
EHS 500 Practicum (9 semester hours)

*These courses, which are labelled "pre-practicum", contain substantial amounts of field experiences, and must be taken prior to EHS 500 (Practicum).

**These courses are required Suffolk University undergraduate courses for which most other Universities have equivalents.

The Field Experience

Nine semester Credit Hours of Practicum are required. This is normally the culmination of the Education Sequence and is accomplished under either a conventional Student Teaching format comprised of 300 clock hours of supervised teaching, or an Internship comprised of 150 clock hours of supervised teaching combined with a part-time paid teaching position.

Apprenticeship

The Education Sequence and Practicum would also be available for an individual who qualifies for this individually developed plan agreed to by a school system, the University, and the State Department of Education, and is comprised of a paid position in a school system for a specified time period while the individual is engaged at the University taking any necessary courses.

(Note: Due to potential developments at the time of this writing in the guidelines for certification of teachers, it is important that prospective elementary and secondary teachers see their Education advisor at the University in order to verify that the above stated procedures for gaining certification are still valid, and to adapt the individual's study plan accordingly.)
Undergraduate Education Course Descriptions

Education 101 — Contemporary Issues in American Education. This course examines the most recent topics of concern regarding American education. The interplay among students, parents, teachers, and different segments of society and governments is stressed. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 102 — Survey of Education in American Society. Significant aspects of American society and governments provide a setting to study the development, organization, process, and problems of American education. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 205 — Community Literary Project. This interdisciplinary service project requires sixty hours per semester of educational tutoring in a community setting such as: elementary and secondary schools, Head Start Centers, prisons, adult literacy centers, or in agencies for handicapped children and the emotionally disturbed. No previous experience required. A one hour weekly seminar at the university will complement this field experience. (Pass/Fail Grade) 1 or 2 terms — 3 or 6 semester hours. Normally offered fall and spring semesters.

Education and Human Services 320 — Methods of Teaching Basic Subjects. Methods and teaching procedures in the social business subjects — general business, economics, and business principles and organization. Development of course goals and objectives, evaluation strategies, motivational devices, audio-visual aids, and unit plans. Analyzing the various approaches to presenting topics in the basic business area. Practicum field experience is required. 1 term — 3 semester hours. Normally offered yearly.


Education and Human Services 333 — Elementary Methods; Science, Physical Education and Health. Introduction to the basic competencies of classroom teaching. Emphasis on Science, Physical Education, and Health curricula. Students will be expected to plan and select materials and conduct and assess learning activities. Required. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 334 — Elementary Methods: Language Arts and Social Studies. The teaching of language arts (emphasis on language development and children’s literature) and social studies as both content and process is developed in relation to the child as an individual and group member. Required. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 335 — Elementary Methods: Reading and Its Teaching. Includes the reading process, reading readiness, group teaching techniques, basal, individualized, linguistic, language-experience, phonics, word recognition and comprehension skills. Two hours a week of field based training. Required prior to student teaching. 1 term — 3 semester hours. Normally offered yearly.
**Education 336 — Elementary Methods: Mathematics and Its Teaching.** Application of the discovery approach, suitable materials, and experiences for developing concepts in mathematics for children grades one to six. Materials investigated are: Cuisenaire Rods, Attribute Blocks, Pattern Blocks, Chip Trading, Geo-blocks, and Fraction Bars. Required. 1 term — 3 semester hours. Normally offered alternate years.

**Education 337 — Creative Arts.** Focuses on a series of workshops in the areas of art, music, movement and creative dramatics and explores the interrelationships of arts for young children as well as encouraging students in their own personal development of creative and aesthetic awareness. Required of all students majoring in Elementary Education. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 338 — Attitudes and Issues in Special Education.** Focus on attitudinal and environmental barriers, and major legislation affecting people with disabilities. Required. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 360 — Fundamentals of Legal Assisting.** Introduces the student to the legal system and the responsibilities of legal assistants. Topics include the development of lawyer's assistants as a profession, unauthorized practice of law, interviewing techniques, legal research and client relationships. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 361 — Legal Research and Writing.** How to use the law library, perform legal research, write legal memoranda, and use computers as a research tool. The student will acquire a working knowledge of the major categories of law books, and be able to find a court decision, a statute, and sample pleadings. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 362 — Civil Litigation and Procedures.** Civil lawsuits comprise the bulk of court cases and the student will learn how a lawsuit is commenced and completed, constitutional issues involved and the effect of the Rules of Civil Procedure on each step of the litigation. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 363 — Law of Contracts.** The existence and validity of a contract is determined by specific rules. Students will learn about formation through offer and acceptance, enforceability, consideration breach of contract and how contracts are used in a law office. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 364 — Law Office Administration.** Lawyer's assistants are often expected to keep a law office running smoothly, through good record keeping, file organization, computer use, calendar scheduling and other practical techniques which will be studied. 1 term — 3 semester hours. Normally offered yearly.

**Education and Human Services 365 — Estates and Trusts.** State laws affect the disposition of an individual's estate at death and allow protection of property through trusts during life and at death. Lawyer's assistants can be valuable in gathering estate information for the drafting of wills and trusts and can assist in drafting basic documents. 1 term — 3 semester hours. Normally offered alternate years.

**Education and Human Services 366 — Law of Business Organization.** Corporations, partnerships and sole proprietorships are different business organizations created by special legal rules. Students will learn formation, protection of business records and tax consequences of each. 1 term — 3 semester hours. Normally offered alternate years.

**Education and Human Services 367 — Criminal Litigation.** Crimes, both common law and statutory, constitutional issues in criminal cases and the Rules of Criminal Procedure which affect the progress of a case through the courts will be studied. Introduction to the complexity of criminal law. 1 term — 3 semester hours. Normally offered alternate years.

**Education and Human Services 368 — Real Estate Law.** Principles of real estate law, the effect of federal agencies on buying and selling property and the steps in residential real estate transactions will be studied. Forms, including purchase and sale agreement, closing forms and leases, are reviewed. 1 term — 3 semester hours. Normally offered alternate years.
Education and Human Services 369 — Domestic Relations. Family law includes divorce, separate support, custody, property division, and abuse prevention petitions. Essentially an area of state law, it is often the backbone of general practice law firms. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 370 — Administrative Law. Federal and state administrative agencies such as MCAD, NLRB and SEC are sources of a great deal of law. Familiarity with these agencies is useful in labor relations, municipal law and corporate law. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 371 — Consumer Law. Federal and state statutes protect consumers in many ways. This course will deal with such important laws as the Truth-in-Lending Act and the Massachusetts 93 A, Consumer Protections Statute and remedies available to consumers. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 372 — Environmental Law. Environmental protection statutes have been enacted by federal and state governments and are carried out by Environmental Protection Agencies. This new and growing area of law and its enforcement will be studied. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 373 — Administration of Estates & Trusts. (Prerequisite is EHS 365 or permission of instructor) Complicated but precise steps must be followed to see that an estate is properly handled at death, whether there was a will or not. Trusts also must be administered by someone familiar with the law, including tax law, which will be studied in this course. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 374 — Personal Injury Law. Many civil lawsuits arise when the negligence of an individual creates injury to another. Elements of negligence law and specific types of cases such as automobile accidents and medical malpractice will be studied, with an emphasis on practical aspects of drafting and research. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 375 — Elementary Methods: Developing Competencies for Elementary Teaching. Introduction to basic competencies of classroom teaching. Students assess learning activities in a public school setting one full day per week. Required prior to student teaching. 1 term — 6 semester hours. Normally offered yearly.

Education and Human Services 376 — Practicum (Elementary Student Teaching). The practicum experience must be full-time for one semester and include at least 300 clock hours in a public school setting. Required of all students majoring in Elementary Education. (See Special Regulations concerning majoring in Elementary Education and Special Regulations concerning the Practicum.) 1 term — 9 semester hours. Normally offered yearly.

Education and Human Services 377 — Independent Research/Elementary. Conference hours will be held with students, and readings will be directed in specific areas of research in elementary education. Projects of this sort will be authorized only in unusual circumstances and upon the approval of the Department Chairperson. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 378 — Micro Computers in Elementary Education. Introduction to microcomputers as an educational tool and format. Exploration of computer-assisted instruction (CAI) and computer programming as a means of improving problem-solving abilities and fostering critical and creative thinking skills. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 379 — Early Childhood Open Concept Education. Implications for curriculum design drawn from examination of child development and environment factors as it concerns the integration of subject matter and including background for development of the open concept of education. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 380 — Early Childhood Open Concept Education. Implications for curriculum design drawn from examination of child development and environment factors as it concerns the integration of subject matter and including background for development of the open concept of education. 1 term — 3 semester hours. Normally offered alternate years.
Education and Human Services 439 — Applied Reading Diagnostics. Explores the concept of diagnostics for the purpose of classroom programming for elementary education majors. Analysis of formal and informal reading diagnostic tools. Prerequisite: Elementary Reading Methods. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 500 — Practicum (Secondary Student Teaching). The practicum experience must be full-time for one semester and include at least 300 clock hours in a secondary public school setting. The course may be taken by undergraduate senior and graduate students. 1 term — 9 semester hours. Normally offered yearly.

Education and Human Services 503 — Foundations in Education. Introduction to the organization, role and purposes of education in American society. Considers the philosophical, historical, social foundations of education. Develops an awareness of teaching the culturally diverse and special needs student. Five observations required. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 504 — Educational Psychology. Examines the nature and development of human abilities and the teaching-learning process. Considers the facts and generalizations of child and adolescent growth and development. Field observations required. 1 term — 3 semester hours. Normally offered yearly.


Education and Human Services 507 — Reading, Communication, and Mathematics Skills for Secondary Teachers. Teaches purposeful individualization of instruction and evaluation of achievement in reading, communication, and mathematics skill as they relate to secondary teaching. Pre-practicum field experiences required. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 510 — Office Administration. Organization and management of office systems, including work measurement, work simplification, office standards, layout, design, and the supervision of office personnel. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 514 — Economic Education: Content and Methods. Review of economic theory and major issues. Demonstration, development of classroom materials and media. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 515 — Office Education Internship for Business Educators. Designed for business educators in all options who need to update or obtain practical full-time business experience. The field site must be approved by the Internship Supervisor. 1 term — 3 to 9 semester hours. Normally offered yearly.

Education and Human Services 517 — Business Communications. Specialized writing skills required in the business environment. Business writing styles and overcoming barriers to communications. Composition of resumes, memoranda, business letters, and reports. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 518 — Microcomputers for Business Education. Introductory course in the application of microcomputers to business education and their integration in the business curriculum. Analysis of current business education software. Hands-on experience and development of programming capabilities using the LOGO and BASIC programming languages on microcomputers. 1 term — 3 semester hours. Normally offered yearly off campus.
Education and Human Services 519 — Information Resource Management. A study of paper and non-paper records from creation to destruction. Examines the growth of computer-assisted retrieval of records and information and the use of micrographics for both active records systems and information technologies for records processing and control. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 520 — Business Education Subject Competencies. Documentation and/or demonstration of specific competencies in the field of knowledge (subject matter) for teacher certification. Students work independently to meet competencies. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 521 — Individualized Instruction for Business Education. Multimedia resources for individualized and independent instruction. Preparation for audio-tutorial project, learning contracts, and LAPS. 1 term — 3 semester hours. Normally offered alternate years.


Education and Human Services 523 — Teaching Methodology and Instructional Materials for Adult Business Education. Methods of teaching business subjects to the adult learner. Special characteristics of the adult learner and appropriate instructional materials and techniques. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 524 — Conference and Workshop Organization and Public Relations. Introduction to organizing conferences, workshops, seminars and training programs for business and industry. Promoting and marketing educational programs. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 525 — Business Education Teaching Competencies. Documentation and/or demonstration of pre-practicum courses and competencies required for teacher certification. 1 term — 3-6 semester hours. Normally offered yearly.

Education and Human Services 535 — Microcomputer Applications for Business Education. Examines the three most popular software packages: word processing, spreadsheets and database management used on various personal computers. Students will gain hands-on experience and become competent users of these integration software packages. Prerequisite: EHS 518. 1 term — 3 semester hours. Normally offered yearly off campus.

Four-year baccalaureate degrees are offered in Computer Engineering and Electronic Engineering by the Physics and Engineering department. The curriculum for these majors was designed in accordance with the criteria for accrediting programs in engineering established by ABET (Accreditation Board for Engineering and Technology).

Both Computer Engineering and Electronic Engineering have minimum requirements of credit hours to be taken in four major groups:

- **Math and Basic Science requirements:**
  - 32 hrs
- **Engineering Science requirements:**
  - 32 hrs
- **Engineering Design requirements:**
  - 16 hrs
- **University requirements - humanities, social science, English, comm.:**
  - 42 hrs

Depending on the major, some of the groups will have more required hours than the minimums shown above. The result is that both Computer Engineering and Electronic Engineering require more than 122 hours.

### Requirements for a Major in Computer Engineering:

**Math and Basic Science requirements:** (32 hrs)
- Calculus I, II, III, IV - 12 hrs
- Differential Equations - 3 hrs
- Mathematical Methods of Engineering - 3 hrs
- University Physics I, II, and laboratories - 8 hrs
- *Electives - 6 hrs

**Engineering Science requirements (33 hrs)**
- Applied Circuit theory - 4 hrs
- Electronic Devices - 4 hrs
- Digital Electronics - 4 hrs
- Introduction to Microprocessors - 4 hrs
- Microprocessor Interfacing - 4 hrs
- Computer Science I, II - 6 hrs
- Electronics Laboratory - 2 hrs
- Engineering Mechanics - 3 hrs
- *Elective - 2 hrs

**Engineering Design requirements:** (19)
- Introduction to Engineering - 3 hrs
- Programming in C - 1 hr
- Engineering Graphics - 4 hrs
- Computer Aided Engineering - 3 hrs
- Engineering Systems Project - 4 hrs
- Automation and Robotics - 4 hrs
- *The elective courses must be chosen from courses in the corresponding category with the approval of the department chairman.
# Bachelor of Science
## Computer Engineering
*(Suggested Course Sequence)*

### Freshman

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-year English</td>
<td>6</td>
</tr>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>6</td>
</tr>
<tr>
<td>University Physics I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science I and II</td>
<td>6</td>
</tr>
</tbody>
</table>

### Sophomore

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Physics II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>C Programming</td>
<td>1</td>
</tr>
<tr>
<td>Calculus III and IV</td>
<td>6</td>
</tr>
<tr>
<td>Applied Circuit Theory</td>
<td>4</td>
</tr>
<tr>
<td>Electronic Devices</td>
<td>4</td>
</tr>
<tr>
<td>Logic, Speech</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Option I and II</td>
<td>6</td>
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<tr>
<td>Math/Science elective</td>
<td>3</td>
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### Junior

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intro to Microprocessors</td>
<td>4</td>
</tr>
<tr>
<td>Microprocessor Interfacing</td>
<td>4</td>
</tr>
<tr>
<td>Math Methods for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>English Sequence</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Computer Graphics</td>
<td>4</td>
</tr>
<tr>
<td>Social Science I</td>
<td>3</td>
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</table>

### Senior

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Science II and III</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Systems Project</td>
<td>4</td>
</tr>
<tr>
<td>Humanities III</td>
<td>3</td>
</tr>
<tr>
<td>Computer Aided Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Automation and Robotics</td>
<td>4</td>
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<tr>
<td>Engineering Mechanics</td>
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<tr>
<td>Engineering Electives</td>
<td>5</td>
</tr>
<tr>
<td>Electronics Lab</td>
<td>2</td>
</tr>
</tbody>
</table>

*For transfer students the Integrated Studies, Logic, Humanities, and Social Science Requirements are different and are described in the Academic Regulations section of this catalog.

### Requirements for a Major in Electronic Engineering

Math and Basic Science requirements:
- **(32 hrs.)**
  - Calculus I, II, III, IV — 12 hrs.
  - Differential Equations — 3 hrs.
  - Mathematical Methods of Engineering — 3 hrs.
  - University Physics I, II, and laboratories — 8 hrs.
  - Electricity and Magnetism — 3 hrs.
*Electives — 3 hrs.

Engineering Science requirements: **(34 hrs.)**
- Applied Circuit theory — 4 hrs.
- Electronic Devices — 4 hrs.
- Digital Electronics — 4 hrs.
- Introduction to Microprocessors — 4 hrs.
- Microprocessor Interfacing — 4 hrs.
- Computer Science I, II — 6 hrs.
- Electronics Laboratory — 2 hrs.
- Signal and Control Systems — 3 hrs.
- Communication Systems — 3 hrs.

Engineering Design Requirements: **(18 hrs.)**
- Introduction to Engineering — 3 hrs.
- Programming in C — 1 hr.
- Engineering Systems Project — 4 hrs.
*Electives — 6 hrs.
Bachelor of Science  
Electronic Engineering  
(Suggested Course Sequence)*

**Freshman**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>First-year English</td>
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<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Calculus I and II</td>
<td>6</td>
</tr>
<tr>
<td>University Physics I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>Introduction to Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science I and II</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
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**Sophomore**

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<tbody>
<tr>
<td>University Physics II and Lab</td>
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</tr>
<tr>
<td>C Programming</td>
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</tr>
<tr>
<td>Calculus III and IV</td>
<td>6</td>
</tr>
<tr>
<td>Applied Circuit Theory</td>
<td>4</td>
</tr>
<tr>
<td>Electronic Devices</td>
<td>4</td>
</tr>
<tr>
<td>Logic, Speech</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Option I</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Option I</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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**Junior**

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<th>Course</th>
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<tr>
<td>Social Science II and III</td>
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<tr>
<td>Humanities II</td>
<td>3</td>
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<tr>
<td>Math Methods for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>Digital Electronics</td>
<td>3</td>
</tr>
<tr>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>English Sequence</td>
<td>6</td>
</tr>
<tr>
<td>Engineering Computer Graphics</td>
<td>4</td>
</tr>
<tr>
<td>Engineering Elective</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
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**Senior**

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>Intro. to Microprocessors</td>
<td>4</td>
</tr>
<tr>
<td>Microprocessor Interfacing</td>
<td>4</td>
</tr>
<tr>
<td>Engineering Systems Project</td>
<td>4</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Signal and Control Systems</td>
<td>3</td>
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<tr>
<td>Communication Systems</td>
<td>3</td>
</tr>
<tr>
<td>Elec. and Magnetism</td>
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<tr>
<td>Electronics Lab</td>
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<tr>
<td>Engineering Elective</td>
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<tr>
<td>Math/Science Elective</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

*For transfer students the Integrated Studies, Logic, Humanities and Social Science requirements are different and are described in the Academic Regulations section of this catalog.

**Airway Electronic Systems:** FAA accredited interdepartmental majors in Airway Computer Science and Airway Electronic Systems are offered by the departments of Mathematics and Computer Science, Physics, and Sociology. These programs are designed to provide a high technology base with organizational skills and human factors methods applied to a core of aviation studies. The Airway Electronics Systems degree contains many of the engineering courses required for the major in Electronics Engineering. Graduates are eligible to fill positions such as Computer Specialist, Electronics Technician, and Air Traffic Control Specialist in the Federal Aviation Administration, as well as similar positions in the expanding aviation and aerospace industry. For core requirements and suggested course sequences, refer to the section of this bulletin on Airway Science program.
Engineering Courses

Engnr. 113 — Intro to Engineering. Introduction to the engineering discipline with emphasis on design. Topics include hand drafting, basics of electronic engineering and computer engineering, and a project. Non-calculus, normally taken prior to Physics 151. 1 term — 3 semester hours. Offered yearly.

Engnr. L204 — Electronics Laboratory. Electronics test instruments - experiments designed to provide experience with research grade oscilloscopes, signal generators, spectrum analyzers, logic analyzers, lock-in amplifiers, counters. Experience with wire wrap, soldering techniques, construction of PC clones. Prerequisites: Engnr. 206, PHYS 303. 1 term — 2 semester hours. Offered yearly.


Engnr. 206 — Electronic Devices. Introduction to transistors. Theory of semiconductors, bipolar and FETS, device characteristics and equivalent circuits. Applications to amplifiers, switching circuits, oscillators, phase locked loops, multi-vibrators, and optoelectronics. Laboratory experience included. Prerequisites: Engnr. 205. 1 term — 4 semester hours. Offered yearly.


Engnr. 310 — Special Topics. Selected topics in Computer Engineering or Electronic Engineering. Offered to upper level students who have completed Differential Equations, Microprocessors, and Electronic Devices or by permission of instructor. 1 term — 3 semester hours. Normally offered alternate years.


Engnr. 350 — Engineering Design. Fundamentals of engineering design with applications to software engineering and hardware problems. Topics include project plans, timelines, cost analysis, top-down structures, quality control, fault detection, and documentation. Case studies of good and bad designs, systems engineering projects. Prerequisites: Engnr. 386, Engnr. 206. 1 term — 3 semester hours. Normally offered in alternate years.

Engnr. 360 — UNIX, DOS Device Drivers. Study of Unix and Dos operating systems with emphasis on communication and control of external devices. Study of special purpose interrupt controllers, communication adapters, protocols, IEEE standards, followed by principles of inclusion of device drivers in both DOS and UNIX systems. Prerequisites: Physics 332, Comp 232. 1 term — 3 semester hours. Normally offered in alternate years.

Engnr. 386 — Engineering Computer Graphics. Experience with different types of software and hardware used for graphics, laboratory experience on personal computer systems and multi-user microcomputer graphics systems. Graphical input using mouse, digitizing tablet, and light pen. Point plotting techniques, line drawing, viewing and windowing. Symbol transformations, zoom and pan applications for models. PC board layout, 3D mechanical representation, surface modeling. Prerequisites: CMPSC 376, CMPSC 232. 1 term — 4 semester hours. Normally offered yearly.

Engnr. 390 — Local Area Network. PC networks (LANS) - rings, token passing, links between LANs. Communication protocols, hardware considerations in collisions between packets. Ethernet communications, transmission losses in coax, fiber optic flex budgets. Cost analysis considerations; lab exercises. Prerequisites: PHYS 351, PHYS 303. 1 term — 3 semester hours. Normally offered alternate years.

Engnr. 403 — Engineering Electricity and Magnetism. Electrostatics and magnetostatics Maxwell's equations. Time varying fields, plane wave propagation, reflection, and transmission. Applications to transmission lines, antennas, fiber optics. Prerequisites: PHYS 152, Engnr. 325. 1 term — 3 semester hours. Normally offered alternate years.


Engnr. 411 — Engineering Technology Systems Project. Senior project requiring design, construction and demonstration of device approved by instructor. 1 term — 4 semester hours. Offered yearly.

Engnr. 415 — Computer-Aided Engineering. Use of high-level software and hardware, (MEDUSA and graphics work-stations) to involve the computer in the design process. Selected problems in 3D geometry, electronics, and robotics. Prerequisites: Engnr. 386, Engnr. 206. 1 term — 3 semester hours. Normally offered alternate years.


Engnr. 450 — Artificial Intelligence: Hardware. Use of AI in external device control, analysis of sensor date, real time response, interaction with external processors, and analysis using Smalltalk and Tektronix 4404, 4406 AI workstations. Study of electronic neurons and neural nets. 1 term — 4 semester hours. Normally offered alternate years.

Engnr. 460 — Speech Processing. Speech generation and speech recognition with emphasis on current efforts in speech recognition. Analysis using Fourier transforms and Walsh transforms. Laboratory exercises in speech digitization, compaction, and transmission. Prerequisites: Engnr. 325, and PHYS 351. 1 term — 3 semester hours. Normally offered alternate years.

Engnr. 463 — Digital Image Processing. Conversion of analogue image information, hardware necessary for real-time processing, image data handling, picture operations, fiber optic transmission, voice and image multiplexing. Prerequisite: Engnr. 410, Engnr. 386. 1 term — 3 semester hours. Normally offered alternate years.
Department of English

Professors: Wilkins (Chairperson), Bigelow, Connors, Johnson, Merzlak, Millner
Associate Professors: Hughes, Mandl, McKinley, Richman
Assistant Professors: Caputo, Coffler, Fox, Jurich, Lottridge
Senior Lecturer: Colburn
Lecturers: Alexander, Bennett, Charshoodian, Connolly, Goodman, Gottfried, Kohl, Lemont
Professors Emeriti: Clark, Vogel

First-Year English Requirement. Students with satisfactory entrance proficiency in English take English 101 and 102, the standard freshman English sequence. Those whose SAT verbal scores indicate exceptional proficiency are invited to take English 103 (Advanced Freshman English) and follow it with English 102. Those for whom English is a second language and whose performance on an entrance essay indicates the need of additional training to succeed in college-level work, are required to take English 003 (English as a Second Language) and follow it with English 102 or both English 101 and 102, depending on their degree of success in the first semester. Students whose native language is English but whose SAT scores indicate verbal deficiency, are required to take English 001 and 002 concurrently in the first semester, and follow these with English 102 or both English 101 and 102, depending on the grades they earn in the two-course first-semester package.

NOTE: English 102 is a prerequisite for all English courses beyond English 124.

Second-Year English Requirement. All undergraduates must take English 213 (Literary Masters of England I) and either English 214 (Literary Masters of England II) or English 215 (Literary Masters of America). English 213 may precede or follow the second chosen course. All three courses combine an introduction to a significant body of literature in English with continued instruction in reading and writing skills. Upperclass students with a demonstrated reading deficiency may also be required to take English 303 (Communication Process).

English Major Requirements. Requirements for a major in English are satisfied by 30 semester hours of course work in English (exclusive of the two-year all-college English requirement previously described). Half of the 30 hours (five courses) must be chosen from the group of English core courses — those whose first two numbers are between 31 and 36 — one each from five of the six numerical groups (31, 32, etc). English H513, the English Honors Seminar, may replace one of the five core courses, or more than one if the student is invited to participate in the seminar more than once. An English major must earn the B.A. degree.

Transfer students with an English major must complete at least nine hours of English courses at Suffolk beyond the two-year all-college English requirement. English courses taken for graduate credit will require extra written and reading assignments. Students are required to notify the professor during the first class meeting that they are seeking graduate credit for the course.
**English Minor:** 18 semester hours.

One course each from *four* of the English core groups (310-319; 320-329; 330-339; 340-349; 350-359; 360-369). Note: Eng. H513 (English Honors Seminar) may replace one of these four courses.

Two courses chosen from any English courses except 001, 002, 101, 102, 104, 213, 214, 215, 304.

**Sigma Tau Delta International Honor Society** Sigma Tau Delta, a member of the Association of College Honor Societies (ACHS), established its Eta Upsilon Chapter at Suffolk University in January, 1986. Active membership is open to both English majors and English minors who have completed a minimum of two college courses in English language or literature (beyond the freshman and sophomore English requirements) with an average of 3.5, plus a general cumulative average of 3.0. Associate membership is open to students who have the requisite academic background (as stipulated above for active membership) but who are not majoring or minor ing in English. In addition to conferring distinction for high achievement in English language and literature and exhibiting high standards of academic excellence through its chapters, Sigma Tau Delta promotes and emphasizes the discipline of English in all its aspects, including creative and critical writing, by inviting both active and associate members to contribute to its national publication, *The Rectangle*. All inducted members remain permanently on the roster of the Eta Upsilon Chapter.

**English Courses**

**English 001 — Writing Skills.** A course designed to give extra practice especially in grammar and punctuation, to the freshman who lacks skills in English. Required, in conjunction with English 002, of students with low SAT verbal scores. 1 term — 3 semester hours. Offered in fall semester.

**English 002 — Communication Process.** Designed to improve reading and study skills, vocabulary and expression of freshman who lack facility in English. 3 hours of class per week, two of laboratory, the latter individualized according to diagnostic test results. 1 term — 3 semester hours. Offered in fall semester.

**English 003 — English as a Second Language.** Study of the fundamentals of the English language designed to assist foreign students to speak and write in idiomatic English. 1 term — 3 semester hours. Offered in fall semester.

**English 101 — Freshman English I.** The fundamental course, designed to increase the student's capacity to read and write correctly and logically. Study of the essay as a literary form, and frequent writing assignments, both expository and argumentative. 1 term — 3 semester hours. Offered every semester.

**English 102 — Freshman English II.** A continuation of English 001, 003, 101, and 103. Training in critical reading and writing, the mechanics of research, the writing of a term paper, and additional writing based on assigned readings in imaginative literature. 1 term — 3 semester hours. Offered every semester.

**English 103 — Advanced Freshman English.** Reserved for students who enter Suffolk with high SAT verbal scores or satisfy other criteria and are invited to participate. Frequent written assignments based on readings. Prerequisite: Instructor's consent. 1 term — 3 semester hours. Offered in fall semester.

**English 113 — Masters of the Drama I.** Survey of dramatic literature and the evolution of theatre from its beginnings in classical Greece through the 18th century. 1 term — 3 semester hours. Normally offered yearly.
English 114 — Masters of the Drama II. Survey of dramatic literature and the evolution of theatre from the 19th century to the present. 1 term — 3 semester hours. Normally offered yearly.

English 123 — Great Books of World Lit. I. Literary masterpieces from ancient times to the Renaissance, including The Odyssey, The Inferno, Don Quixote and the plays of Moliere. List may vary at the discretion of the instructor. 1 term — 3 semester hours. Normally offered yearly.

English 124 — Great Books of World Lit. II. Literary masterpieces from the 18th century to the 20th, including The Sorrows of Young Werther, Madame Bovary, Fathers and Sons, Bread and Wine and The Dwarf. 1 term — 3 semester hours. Normally offered yearly.

English 213 — Literary Masters of England I. Study of major writers of England from the beginning of the mid-18th century. Regularly assigned essays on the reading provide the basis for individualized instruction in clear correct and persuasive writing. 1 term — 3 semester hours. Offered every semester.

English 214 — Literary Masters of England II. Study of major English writers from the mid-18th century to the present. Regularly assigned essays on the reading provide the basis for individualized instruction in clear correct and persuasive writing. 1 term — 3 semester hours. Offered every semester.

English 215 — Literary Masters of America. Study of major American writing and thought from the Puritan age to the present. Regularly assigned essays on reading provide the basis for individualized instruction in clear correct and persuasive writing. 1 term — 3 semester hours. Offered every semester.

English 304 — Writing Review/Non-Freshman. Skills course for upper class students who need basic writing instruction. An individualized review of grammar punctuation and the principles of paragraph and essay construction. Consent of instructor required for admission. 1 term — 3 semester hours. Offered every semester.

English 306 — Writing Workshops. Discussion of techniques of fiction, verse, drama and other literary forms. Each student plans his own work. Student writing will be regularly read and analyzed in class, the group acting as editors. 1 term — 3 semester hours. Normally offered every fall.


English 308 — Directed Writing. Independent work on a writing project under the guidance of the instructor. Frequent discussion of the work in progress is required through the semester. 1 term — 3 semester hours. Normally offered every fall.


English 313 — The Bible as Literature I. Study of the Old Testament as an embodiment of Hebrew history, folklore, and legend. Altering concept of the nature of God and development of the idea of an afterlife. 1 term — 3 semester hours. Normally offered alternate years.


English 315 — Classical Drama. Greek and Roman drama from its origins; characteristics of the theater; development of tragedy and comedy. Readings in Aeschylus, Sophocles, Euripides, Aristophanes, Plautus, Terence, and Seneca. 1 term — 3 semester hours. Normally offered every third year.

English 316 — Greek and Roman Classics. Introduction to Greek and Roman classical literature. Readings in the major writers and discussion of the values, ideals, and realities of the classical world. 1 term — 3 semester hours. Normally offered every third year.
English 317 — Classical Mythology. Ancient Greek and Roman myths, their motifs, themes, and interpretations. 1 term — 3 semester hours. Normally offered alternate years.

English 323 — Chaucer. Close reading and discussion of The Canterbury Tales and Troilus and Criseyde against the background of the late Middle Ages. 1 term — 3 semester hours. Normally offered yearly.

English 324 — Shakespeare's Comedies. Shakespeare's background and development as a dramatist through an examination of selected comedies. Collateral reading of the minor plays and Shakespeare criticism. 1 term — 3 semester hours. Normally offered every third semester.

English 325 — Shakespeare's Histories. Shakespeare's English history plays. Emphasis on individual characters, interrelated play groups, and the political and personal insights that the plays reveal. 1 term — 3 semester hours. Normally offered every third semester.

English 326 — Shakespeare's Tragedies. Shakespeare's major tragedies reflecting the range, resourcefulness, and power of his dramaturgy. Collateral reading in Shakespeare criticism. 1 term — 3 semester hours. Normally offered every third semester.

English 333 — English Renaissance Drama. The comedies and tragedies of major dramatists (excluding Shakespeare) of the Elizabethan and Jacobean eras. Marlowe, Jonson, Middleton, Webster. 1 term — 3 semester hours. Normally offered alternate years.

English 334 — Seventeenth-Century Literature. Metaphysical and Cavalier poetry, major works of Milton and the development of prose, including Bacon, Browne, Bunyan, Pepys, and others. 1 term — 3 semester hours. Normally offered alternate years.

English 335 — Donne and Milton. A close reading and comparison of England's two great Renaissance poets with particular attention given to their secular and religious political and philosophical attitudes. 1 term — 3 semester hours. Normally offered alternate years.

English 336 — The Age of Enlightenment. The great age of satire, essay, criticism, biography, and "nature." Dryden, Pope, Swift, Addison, Steele, Boswell, Johnson, Gray, Thomson, and Gibbon. 1 term — 3 semester hours. Normally offered alternate years.

English 337 — The 18th-Century English Novel. The English novel to Richardson, also including Defoe, Fielding, Smollett and Sterne. Sentimental and gothic novels. 1 term — 3 semester hours. Normally offered alternate years.


English 343 — English Romantic Literature. The mind and spirit, poetics and poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats along with selected prose. 1 term — 3 semester hours. Normally offered alternate years.

English 344 — Victorian Literature. The mind and spirit, poetics and poetry of Tennyson, Browning, Arnold, Rossetti, and Morris along with selected prose. 1 term — 3 semester hours. Normally offered alternate years.


English 353 — The Rise of American Fiction. Development of the American imagination in the novel, including works of Brown, Cooper, Poe, Hawthorne, Melville, and James. 1 term — 3 semester hours. Normally offered alternate years.

English 354 — Hawthorne and Melville. Close examination of fiction by two major writers of the American Renaissance. 1 term — 3 semester hours. Normally offered alternate years.

English 355 — American Writers, 1865-1914. The revolution in American literary consciousness between the Civil War and First World War and the transition from the traditional to the modern, in the work of James, Twain, Crane, Veblen, Dreiser, and others. 1 term — 3 semester hours. Normally offered alternate years.

English 356 — Whitman and Dickinson. A study of the work of America's two greatest nineteenth-century poets, considering the achievement of each and their startling diversity. 1 term — 3 semester hours. Normally offered every third year.
English 357 — Afro-American Literature, I. Black American writing from the beginning through the Harlem Renaissance (1746-1940). Authors include Phillis Wheatley, Paul Laurence Dunbar, Claude McKay, Countee Cullen, Langston Hughes, Charles W. Chesnutt, Jean Toomer, Frederick Douglass, W.E.B. DuBois and others. 1 term — 3 semester hours. Normally offered alternate years.

English 358 — Afro-American Literature II. Modern black writing — poetry, drama, fiction — from 1940 to the present. Gwendolyn Brooks, Robert Hayden, Lorraine Hansberry, Imamu Amiri Baraka, Ed Bullins, Richard Wright, Ralph Ellison, James Baldwin, Ernest J. Gaines, and others. 1 term — 3 semester hours. Normally offered alternate years.

English 363 — Modern British Poetry. The individual achievement of major British poets and their expressions of a modern sensibility from World War I to the present. 1 term — 3 semester hours. Normally offered every third year.

English 364 — Modern American Poetry. American poetry written between 1900 and the Second World War. Content and form in the writings of such poets as Williams, Frost, and Eliot. 1 term — 3 semester hours. Normally offered alternate years.

English 365 — Contemporary Poetry. Poetry written in English since 1945, featuring such writers as Berryman, Roethke, Lowell, Sexton, and Plath. 1 term — 3 semester hours. Normally offered alternate years.

English 366 — Modern British Fiction. Fiction by Joyce, Lawrence, Woolf, Forster, Lessing, and others. Attention to the central themes and innovative approaches to language and form that characterize modernism in literature. 1 term — 3 semester hours. Normally offered alternate years.

English 367 — Twentieth-Century American Fiction. Novels, short novels, and short stories by Dreiser, Fitzgerald, Hemingway, Faulkner, O'Connor, Roth and others. 1 term — 3 semester hours. Normally offered alternate years.

English 368 — Modern British Drama. Masterworks of the greatest British playwrights from Synge and Shaw to Shaffer and Stoppard. 1 term — 3 semester hours. Normally offered every third year.

English 369 — Modern American Drama. Masterworks of the major American playwrights from Eugene O'Neill to the present. 1 term — 3 semester hours. Normally offered every third year.

English 373 — English Writers of the 1930's. The social, political and cultural revolution in pre-World War II England as it is reflected in the poetry of Auden and Spender and the fiction of Huxley, Waugh, Isherwood, Bowen, Orwell, and Greene. 1 term — 3 semester hours. Normally offered every third year.

English 374 — Drama Seminar. Discussion and student reports on a pre-announced subject: a major playwright, a dramatic movement or genre (e.g., absurdism or the one-act play), or the relation between script and performance. Prerequisite: English 113 and 114. 1 term — 3 semester hours. Normally offered alternate years.

English 376 — American Theatre Today. Examination of all aspects of current theatrical activity in America. Attendance at local theatre productions featured. Additional fee required to cover cost of theatre tickets. 1 term — 3 semester hours. Normally offered every third year.

English 377 — The World on Film. Examination of film as an art form and as entertainment. Course to include the writing of film criticism and the study of how a film is made. Several films to be viewed in class. 1 term — 3 semester hours. Normally offered alternate years.

English 378 — Fantasy and Folklore. Folk tales, fairy tales, myths and ballads reflecting both a literary and cultural tradition. Fantasy as escape and enlightenment, to include readings in science fiction, and the Utopian novel. 1 term — 3 semester hours. Normally offered every third year.

English 379 — Children's Literature. Background of children’s literature; picture books, fantasy and folklore — from Mother Goose to Dr. Seuss; other prose and poetry appropriate for the elementary age level. 1 term — 3 semester hours. Normally offered alternate years.
English 382 — Speculative Fiction. A critical examination of selected works of contemporary speculative fiction by such authors as J.G. Ballard, Samuel R. Delany, Stanislaw Lem, and Ursula K. LeGuin. 1 term — 3 semester hours. Normally offered alternate years.


English 384 — Literary Satire. Examination of the techniques and modes of satire in the ancient world (Petronius, Juvenal, Horace) and in English and American literature. 1 term — 3 semester hours. Normally offered every third year.

English 386 — Classics of Mystery and Terror. Classic stories of suspense and detection, including short stories and novels by Poe, Doyle, Chandler, Hammett, Christie, and LeCarre. Current examples also to be included. 1 term — 3 semester hours. Normally offered alternate years.

English 387 — Women and Literature. Study of the images of women in literature and of the woman writer’s contribution to these evolving representations. Readings in Virginia Woolf, Doris Lessing, Margaret Drabble, Tillie Olsen, Alice Walker, and others. 1 term — 3 semester hours. Normally offered alternate years.

English 388 — Literature of Love. An analysis of literary works that vividly present the development and celebration of the theme of love — platonic, romantic, and erotic. Works by Knowles, Hemingway, James, Simon, and Rossner. 1 term — 3 semester hours. Offered every third year.

English 389 — Law and Literature. Literature dealing with law — its origins and processes; its relationship to justice and morality; its effects on individuals and society; the appeals from the law; and the power of non-violence and civil disobedience. 1 term — 3 semester hours. Normally offered every third year.

English 390 — History of the English Language. Study of the development of the English language from its Germanic origins to its status as a world language. 1 term — 3 semester hours. Normally offered every third year.

English 394 — Critical Prose. Advanced training in the arts of writing (strategies of diction, style, and structure) and in writing about the arts (criticism and analysis). 1 term — 3 semester hours. Offered annually. Prerequisites: 4 semesters of required English.

English 396 — American Political Literature. Major political writing in America between European settlement of New England and the Civil War — America as historical, social, and political fact and as timeless symbol. Winthrop, Jefferson, Lincoln, Thoreau and others. 1 term — 3 semester hours. Normally offered every third year.

English 401 — Studies in Selected Authors. Readings in the work of an author — or authors — selected for this course by the professor. Special project required. 1 term — 3 semester hours. Offered every year.

English 402 — Studies in Joyce. Selected readings in Joyce’s fiction and letters, with a special project required. 1 term — 3 semester hours. Normally offered every third year.

English 403 — The Modern European Novel. Major novels and short stories by representative European writers including Camus, Joyce, Chekhov, Mann, Kafka, Dostoyevsky, and Solzhenitsyn. 1 term — 3 semester hours. Normally offered every third year.

English 404 — Polish Literature. The history and civilization of Poland as reflected in its literature from the Renaissance to the present — and from Nazi decimation to Soviet domination. Also the underlying folk tradition from which it springs. 1 term — 3 semester hours. Normally offered every third year.
English 405 — Russian Literature. An introduction to the major works of Russian literature with an examination of the moral and aesthetic issues they present. Pushkin, Turgenev, Gogol, Dostoyevsky, Tolstoy, Chekhov, and Solzhenitsyn. 1 term — 3 semester hours. Normally offered every third year.

English 406 — Italian Literature. Major writers of the Middle Ages, Renaissance, Risorgimento, and present day, including Dante, Boccaccio, Machiavelli, Ariosto, and Leopardi, in English translation. Focus on the originality of Italian literature and its contribution to our culture. 1 term — 3 semester hours. Normally offered every third year.

English H513 — English Honors Seminar. A seminar limited to highly qualified juniors and seniors selected by the English faculty for their scholastic achievement and ability to write critical prose. Intensive reading in major fields of English and American literature or literature in translation and substantial written critiques. 1 term — 3 semester hours. Offered every semester.

English 514 — Internship in English. Individualized guidance in a career-related activity. Upperclass English majors may gain academic credit for work preparing them for English-related careers, provided that the work is monitored by a member of the English faculty. Department approval is required. 1 term — 3 semester hours. Normally offered yearly.

English 515 — Independent Study in English. By special arrangement, a junior or senior may pursue an independent research project under the supervision of a faculty member. Consent of instructor and chairperson required. 1 term — 3 semester hours. Offered every semester.

English 516 — Independent Study in English. Under special circumstances, a junior or senior may be allowed to pursue a second semester of study under the supervision of a faculty member. Consent of instructor and chairperson required. 1 term — 3 semester hours.

English 517 — Seminar in English Tutoring. Theory and practice in individualized writing instruction. Open to upperclassmen with demonstrated proficiency in writing. Consent of instructor required. Peer tutors in English are required to enroll in the course. 1 term — 3 semester hours. Normally offered yearly.
Department of Government

Professors: Bain (Chairperson), Berg, Holleman
Associate Professors: Dushku, O'Callaghan, Kayali (Visiting)
Assistant Professor: Mudavanha
Lecturers (part time): Andrews, Brownell, Burke, Connolly

TRACK A — B.A. or B.S. in Political Science

This program is designed to give students a comprehensive background in the discipline of political science and its subfields. It constitutes appropriate preparation for graduate work in the discipline, the study of law, and generally for careers in teaching, journalism, communications and public service.

Students entering in Fall, 1982, or later must meet the requirements for the B.A. or B.S. degree plus the following:

**Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Government 111-112 (Politics and Government I &amp; II)</td>
<td>6</td>
</tr>
<tr>
<td>Government LI 11-LI 12 (Politics and Government Lab I &amp; II)</td>
<td>2</td>
</tr>
<tr>
<td>American Government Group</td>
<td></td>
</tr>
<tr>
<td>Government 221, 222, 243, 244, 253, 346, 347, 355, or 357</td>
<td>3</td>
</tr>
<tr>
<td>International Relations Group</td>
<td></td>
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<tr>
<td>Government 261, 262, 363, or 463.</td>
<td>3</td>
</tr>
<tr>
<td>Political Theory Group (choose one below)</td>
<td>3</td>
</tr>
<tr>
<td>Government 274, 275, 374, 473, or 475.</td>
<td>3</td>
</tr>
<tr>
<td>Comparative Government Group</td>
<td></td>
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<tr>
<td>Government 283, 383, 385, 387, 389, 483, 485, or 487</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Government</td>
<td>12</td>
</tr>
</tbody>
</table>

**TRACK B — B.A. or B.S. in Public Policy and Administration.** This program is designed to give students interested in public service careers a basic grounding in the theory and practice of public administration, combined with a general knowledge of governmental and of relevant technical skills. Successful candidates will be prepared for either entry-level employment or graduate work in public policy or administration.

Students entering in Fall, 1982, or later must meet the requirements for the B.A. or B.S. degree plus the following:

**Major Requirements**

<table>
<thead>
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</thead>
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<tr>
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<td>6</td>
</tr>
<tr>
<td>Government LI 11-LI 12 (Politics and Government Lab I &amp; II)</td>
<td>2</td>
</tr>
<tr>
<td>Government 221-222 (Public Administration I &amp; II)</td>
<td>6</td>
</tr>
<tr>
<td>Government 224 (Introduction to Public Policy)</td>
<td>3</td>
</tr>
<tr>
<td>Government 374-375 (Research Methodology and Applied Methods in Public Affairs)</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Government</td>
<td>9</td>
</tr>
</tbody>
</table>

**Government: Track B (Public Policy and Administration):** Track B majors are also expected to fulfill an experiential requirement which may be met through a Government internship and seminar combination consisting of 6 to 15 semester hours (Government 521 and 522; 523 and 525; 524 and 525; Government 526, 528, and 529; or 527, 528, and 529); or through a Cooperative Education experience together with the 3 semester hour Internship Seminar (Government 522) or demonstration of equivalent experience and acquired skills, subject to the department's approval.
**PPA/MPA Guaranteed Acceptance Program:** Students graduating from College with a B.A. or B.S. in the Public Policy and Administration major, and who have a GPA of 3.0 or higher, are guaranteed admission to the Masters Program in Public Administration (MPA) offered by the School of Management.

Seniors in the PPA track may cross register into SOM for graduate level foundations courses in public administration. Majors with significant work experience may arrange to credit that experience toward their internship requirements.

**Track B (Public Policy and Administration)** is the only complete Government Track offered in the evening.

**Minors**

Students minoring in the field of government may pursue one of the following two programs of study:

A. **Minor in Political Science**

**Minor Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Government 111-112 (Politics and Government</td>
<td>6</td>
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<tr>
<td>I &amp; II)</td>
<td></td>
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<tr>
<td>(should be completed before enrolling in other courses for the minor)</td>
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</tr>
<tr>
<td>Select one course each from three of the following four groups:</td>
<td>9</td>
</tr>
<tr>
<td>American Government Group (choose one below)</td>
<td></td>
</tr>
<tr>
<td>Government 221, 222, 245, 244, 253, 346, 347, 355 or 357</td>
<td></td>
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<tr>
<td>International Relations Group (choose one below)</td>
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<tr>
<td>Government 261, 262, 365, 463</td>
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<td>Government 274, 275, 374, 473, 475</td>
<td></td>
</tr>
<tr>
<td>Comparative Government Group (choose one below)</td>
<td></td>
</tr>
<tr>
<td>Government 283, 383, 385, 387, 389, 483, 485, 487</td>
<td></td>
</tr>
<tr>
<td>Elective in Government (chosen from any course offered by the Department except GOV. 103 and the internships)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Government Courses**

**Government 103 — American Government.** Introductory analysis of U.S. national government and politics; the Constitution; legislative, judicial, executive and bureaucratic processes and institutions; political activity and organizations; policy making and outcomes. 1 term — 3 semester hours. Offered every year. For non-majors.

**Government 111 — Politics and Government I.** Introduction to the discipline of political science and concepts of political philosophy and theory. Emphasizes reciprocal relationships among the polity, economy and society through analysis and comparison of U.S., other late capitalist, socialist, and Third World polities. 1 term — 3 semester hours. Normally offered every year. Required for all Government Majors entering Fall, 1982, or later.

**Government 112 — Politics and Government II.** Continuation of Gov. 111 with focus on major theoretical systems, methodologies and research in political science. Emphasizes comparative study of political institutions, decision-making, political participation and public policies. 1 term — 3 semester hours. Normally offered every year. Prerequisite: Gov. 111. Required for all Government Majors entering Fall, 1982, or later.

**Government L111-L112 — Politics and Government Laboratory.** Application of the basic principles of political research. Students perform qualitative and quantitative analytical exercises based on the concepts studied in Government 111-112. Develops skills of observation, interpretation, data collection, and data analysis, including elementary use of SPSSX and Minitab computer data-analysis software. Prerequisite: concurrent enrollment in Gov. 111-112. 2 terms — 2 semester hours. Normally offered every year. Required of all Government Majors entering Fall, 1986, or later.
Government 203 — Women in Politics. The relationship of woman to her political culture and structures. The role of women seen in theory (e.g. Marxism, American feminism, existentialism) and in practice over time in the U.S., U.S.S.R., Israel, Cuba, and Sweden. 1 term — 3 semester hours. Normally offered alternate years.

Government 205 — Women and Third World Politics. A look at the particular values, structures, policies which shape the political attitudes and behavior of women and toward women in non-Western societies; the perspective which a focus on women’s issues brings to the study of political development and change. 1 term — 3 semester hours. Normally offered alternate years.

Government 221 — Public Administration I: Theory and Institutions. The scope of public administration, differentiation between private and public goods; the role of political culture in shaping public administration; theories and politics of bureaucracy; organization theory; ethics and accountability; approaches to administrative reform. 1 term — 3 semester hours. Normally offered every year.

Government 222 — Public Administration II: Problems and Applications. Emphasis on the development of analytical and technical skills to address public problems. Topics include resource management, organization development, government reorganization, budgeting and state/local finance, and methods of program analysis and evaluation. Prerequisite: Gov. 221 or consent of instructor. 1 term — 3 semester hours. Normally offered every year.

Government 224 — Introduction to Public Policy. Focus on how public policy is made rather than on particular institutions. Primarily case studies which demonstrate how problems get on the agenda, and policies are implemented and evaluated. Prerequisite: Gov. 111-112. 1 term — 3 semester hours. Normally offered every year.

Government 233 — Public Relations and Lobbying. Methods and practices of interest groups trying to influence legislative and administrative decision-making; methods and practices of public agencies trying to influence governmental policies; the military-industrial complex and other cases on federal or state levels. 1 term — 3 semester hours. Normally offered alternate years.

Government 243 — American Constitutional Law. The growth of Constitutional law and the role of the Supreme Court is examined by analysis of court decisions dealing with Judicial Review, Federalism, Presidential and Congressional powers. 1 term — 3 semester hours. Normally offered every year.

Government 244 — Civil Liberties. Analysis of Supreme Court decisions in regard to political and civil rights including freedom of speech, press, assembly and religion, obscenity, race and sex discrimination, and criminal procedure. 1 term — 3 semester hours. Normally offered every year.

Government 253 — State and Local Government. The development, structure and functions of state governments with emphasis on the government of Massachusetts; the various forms of local government in cities and towns; analysis of the relationships between local, state, and federal governments. 1 term — 3 semester hours. Normally offered alternate years.

Government 261 — Theory and Practice of International Relations. Review of major approaches to the study of international relations. Definition of concepts such as power, nationalism, imperialism and dependency. Special attention to use of force and conflict resolution. 1 term — 3 semester hours. Normally offered alternate years.

Government 262 — Current Issues in International Relations. Examination of contemporary geopolitical phenomena and problems in the global area. Students are required to participate in a class project designed to simulate the experience of international behavior. Prerequisite: Gov. 261 or 363. 1 term — 3 semester hours. Normally offered alternate years.

Government 274 — Early Political Theory. Western political thought and philosophy from the ancient Greeks to the Renaissance, including such thinkers as Thucydides, Plato, Aristotle, the Stoics, the Roman lawyers, St. Augustine, Thomas Aquinas, Machiavelli. 1 term — 3 semester hours. Normally offered alternate years.

Government 275 — Modern Political Theory. Reformation to the present, including such thinkers as Hobbes, Locke, Rousseau, Hegel, Marx, the Utilitarians, Nietzsche, as well as contemporary thinkers and ideologies. 1 term — 3 semester hours. Normally offered alternate years.
Government 283 — Third World Politics. Theories dealing with the process of political change in countries of the Third World: the impact of the military, traditional culture and institutions, economic problems, strong personalities and other factors on political life and institutions. 1 term — 3 semester hours. Normally offered alternate years.


Government 337 — Government Policy and Business. Role of government in promoting, protecting and regulating business activities in the U.S. Examination of Constitutional principles; administrative law, procedure and agencies; taxation, equal employment opportunity, environmental, and antitrust policies. 1 term — 3 semester hours. Normally offered every semester.

Government 339 — Community Advocacy: Law and Politics. This course represents a unique opportunity for students to develop a general understanding of the relationship between law, politics, and the community. There is a definite symbiotic relationship that requires a systematic and holistic way of viewing and analyzing the impact of the law on the community it seeks to serve or should serve. Developing a sense of responsibility and how best to be responsive are important objectives of this course on Community Advocacy. 1 term — 3 semester hours. Normally offered every third year.

Government 343 — State Judicial Process and Policy. Contemporary state court processes, progress and problems including trial and appellate court practice, procedure and participants; plea bargaining, alternative dispute resolution; policy making. 1 term — 3 semester hours. Normally offered alternate years.

Government 346 — The American Presidency. Perspectives on the role and problems of the presidency in American political life; the nature and difficulties of presidential influence and effectiveness, presidential authority within our system of government, and the impact of presidential character. Prerequisite: Gov. 111-112 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 347 — Legislative Process. The structure and functioning of legislatures. Particular emphasis on the U.S. Congress, how it works and how it compares with other legislatures. The role of legislatures in a democracy. Prerequisite: Gov. 111-112. 1 term — 3 semester hours. Normally offered alternate years.

Government 348 — Politics and the "Black Constitution". The 13th, 14th and 15th Amendments. As part of the Constitutional Bicentennial, this course focuses upon these three critical amendments, with special emphasis on the politics of their language, ratification and impact. It treats the role of the Constitution dynamically, as a political and social educator and a means of institutionalizing revolutionary change in American goals and values. Prerequisite: Gov. 111-112 or consent of instructor. 1 term — 3 semester hours. Normally offered alternate years.

Government 355 — American Parties and Politics. Historical overview of party development in the U.S. and of ideological and political trends as reflected in voting behavior. Recent developments in party structure, electoral strategies and political style. The party "crisis" vs. the "art" of political campaigning. Prerequisite: Gov. 111-112 or consent of instructor. 1 term — 3 semester hours. Normally offered alternate years.

Government 356 — Massachusetts Politics and Elections. A look at the Commonwealth's party organizations, platforms and personalities. Focus on recent pivotal elections. Students will be required to do in-depth research projects examining specific topics in local electoral politics. Prerequisite: Gov. 111-112 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 357 — Urban Politics and Government. This course examines the political process and problems characteristic of big cities in the United States today. Students are encouraged to do individual and group research on specific urban political topics. Prerequisite: Gov. 111-112 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 363 — American Foreign Policy. A decision-making approach to understanding the domestic and institutional context of U.S. foreign policy. Includes analysis of continuity and change since WW II using case studies of critical decisions, e.g., Korea, Cuba, Vietnam, etc. Prerequisite: Gov. 111-112 or consent of instructor. 1 term — 3 semester hours. Normally offered alternate years.
Government 374 — Research Methodology in Public Affairs. Philosophical study of scientific methods and techniques, history of the philosophy of science, controversies in social science, comparisons of different logic systems and methodological traditions, role of theory in problem and hypothesis formulation and research design. 1 term — 3 semester hours. Normally offered every year.


Government 376 — Political Economy. Underlying relationships between economic and political factors in society. History of political economy, materialist versus idealist philosophy, transition among stages of development, relationship between base and superstructure, definition of systems crisis, contemporary social and political formations. 1 term — 3 semester hours. Normally offered alternate years.

Government 378 — Public Budgeting Systems. Examines determinants of the budgetary process which are encountered inside the public organization and in its environment. It explores the politics involved in the preparation, appropriation and expenditure phases. Special attention will be paid to expenditure controls, reporting instruments, debt administration, the collection of revenues and program evaluation. Appropriate reference will be made to the impact of intergovernmental fiscal system on the budgetary process. 1 term — 3 semester hours. Normally offered alternate years.

Government 383 — African Politics. The political development of Africa in colonial and post-colonial periods. Analysis of the evolution of governmental institutions includes economic, social, and personal factors; political forces at work in present day Africa. Prerequisite: Gov. 111-112 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 385 — Soviet Politics and Economy. Marxist doctrine as interpreted by Lenin, Stalin and others and its influence on Soviet society. The Party's organization and control of government; Soviet foreign policy; the planned economy, its growth and partial development away from Marxism. 1 term — 3 semester hours. Normally offered alternate years.

Government 387 — Politics of Latin America. A study of Latin American political institutions and the major forces affecting their evolution. The role of the military, clergy, labor groups, and outside economic and political interests in shaping governmental policies and institutions. Prerequisite: Gov. 111-112 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 389 — Politics of China. Emphasis on a particular approach to the problems of economic modernization and political development. Historical background; Mao's Thought and the revolutionary move-present political structures and current issues. Prerequisite: Gov. 111-112 or consent of instructor. 1 term — 3 semester hours. Normally offered alternate years.

Government 433 — Topics in Public Policy. Using the techniques learned in Gov. 224, students will make an intensive study of a current policy issue. Prerequisite: Gov. 224. 1 term — 3 semester hours. Normally offered every third year.

Government 435 — Race and Public Policy. Public policy's impact on Blacks, Chicanos, Native Americans, Puerto Ricans, and other minority groups; how public policy has contributed to racial oppression; policies for attaining racial equality; political strategies of minority groups. 1 term — 3 semester hours. Normally offered every third year.

Government 442 — The Bicentennial and Constitutional Reform. As the United States celebrates the bicentennial of the U.S. Constitution, debate exists over whether the time has come to change the fundamental structure of the government. Both the strengths and weaknesses of our Constitution will be critically analyzed and debated including the recurrent conflict and deadlock between the President and Congress. Prerequisite: Gov. 243 or 346 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 463 — International Law and Organization. Examination of the development, principles and role of international law in the last two centuries; a study of the Charter, activities and politics of the United Nations Organization, its specialized agencies. NATO and other regional organizations. 1 term — 3 semester hours. Normally offered alternate years.
Government 467 — Politics of Pan Africanism. A Global perspective of the origins of this ideology and its precursors, buttressed by an analysis of the relevance of this movement to the contemporary political economy of Africa in the 1980s and beyond. This will make necessary an assessment and concentration on West Africa, based on demographics, historical forces, and the strategic nature of West African states in the geo-politics of Pan Africanism. 1 term — 3 semester hrs. Normally offered alternate years.

Government 473 — American Political Thought. Reading and discussion of original works by significant American political thinkers such as The Federalist and works by Paine, Jefferson, Calhoun, Thoreau, Sumner, Reed, Dewey, Lippman, Goodman, King, Malcolm X, Carmichael, Hamilton, Friedan, and Dillinger. 1 term — 3 semester hours. Normally offered alternate years.

Government 475 — Socialist Political Thought. Socialist theories of the state, class consciousness, revolution. The views of major socialist thinkers of the 19th and 20th centuries including Marxists, anarchists and evolutionary socialists. 1 term — 3 semester hours. Normally offered alternate years.

Government 481 — Topics in Comparative Politics. Designed for Government majors with a particular interest in political structures, behaviors or issues that are most properly studies in a comparative context, for example, revolution, ideology, bureaucracy, etc. Content will reflect with particular research interests of both the instructor and the students drawing upon a large body of comparative political literature. 1 term — 3 semester hours. Normally offered alternate years.

Government 483 — Politics of Europe. Comparative study of political development in Europe; politics in Europe's post-industrial societies and in selected countries of southern and eastern Europe; challenges of European integration. Prerequisite: Gov. 111-112 or instructor's consent. 1 term — 3 semester hours. Normally offered alternate years.

Government 485 — Politics of the Middle East. Interlocking themes making the contemporary Middle East an area of chronic conflict: Big Power rivalries; social and political change within individual countries; unity and rivalry involved in Arab nationalism; the Palestinian-Israeli-Arab dispute. 1 term — 3 semester hours. Normally offered alternate years.

Government 487 — Japan: Politics and Policy. Examining Japanese political culture, structures, processes and public policies. Historical background; the relationship between government and business; Japan as an advanced industrial society; problems of interdependence for Japan and the West. 1 term — 3 semester hours. Normally offered alternate years.

Government 503 — Washington Symposium. An intensive off-campus experience, normally of 2-3 weeks duration, arranged through a qualified agency in Washington, D.C. Topics vary. Students will be graded by both an on-site evaluator and an assigned Government Department faculty member. Students are normally required to keep a journal of the off-campus experience and to write a significant research paper based on the topic of the symposium upon their return. They may also be required to attend a few seminar sessions, either before or after attending a symposium, at the discretion of the instructor. 1 term — 3 semester hours. Offered as opportunities arise.

Government 505 — Studies in Government. Individual program of reading and research on an approved topic under the supervision of a member of the department. For qualified juniors and seniors. Prerequisite: instructor’s consent and approval of department chairperson. 1 term — 3 semester hours. Offered every semester.

Government 507 — Government Study Trip. Special study trip to a foreign country for the purpose of obtaining knowledge through direct experience and observation. Includes pre-arranged site visits, meetings, required reading and written assignments. Prerequisite: instructor's consent. 1 term — 3 semester hours. Offered as opportunities arise.

Government 509 — United Nations Seminar. Intensive study of the U.N., its subsidiary bodies, and their role in international relations. Research on a particular African memberstate, acquisition of knowledge of U.N. processes and procedures, and seminar paper required of each student. Prerequisite: competitive examination by the instructor; international relations or African politics courses desirable but not required. 1 term — 3 semester hours. Normally offered alternate years.
Government 521 — Internship in Government. Approximately 12 hours a week working in a government-related position designed to give the student more responsibility and learning opportunity than is normally available in an entry-level job. Interested students should consult instructor in advance. Prerequisite: Junior standing, consent of instructor, and concurrent enrollment in Gov. 522. 1 term — 3 semester hours. Normally offered every semester.

Government 522 — Internship Seminar. Weekly seminar for students in the government internship program. The internship experience will be used in the discussion and testing of theories of bureaucracy, public administration, and organization presented in the reading assignments. Prerequisite: Concurrent enrollment in Gov. 521 or equivalent experience. 1 term — 3 semester hours. Normally offered every semester.

Government 523 — Washington Internship (Fall or Spring). A full-time, one-semester internship in Washington, D.C. Consult the Department office for more details. Prerequisite: junior standing; limited to 5 students per semester, chosen by competitive application. 1 term — 12 semester hours.

Government 524 — Washington Internship (Summer). Full-time summer internship in Washington, D.C. Consult the Department office for more details. 1 full semester session — 9 semester hours.

Government 525 — Washington Seminar. Available in conjunction with Gov. 523 or 524. 1 term — 3 semester hours.

Government 526 — London Internship. A full-time, one-semester internship in the capital of England. Consult the Department office for more details. Prerequisite: junior standing; selected by competitive application. 1 term — 9 semester hours.

Government 528 — London Seminar I. One of two required seminars to be taken by London interns. 1 term — 3 semester hours.

Government 529 — London Seminar II. One of two required seminars to be taken by London interns. 1 term — 3 semester hours.

Government 595 — Honors Colloquium in Political Science. Student-faculty colloquium involving substantial reading, discussion and the presentation of original papers. Limited to juniors and seniors of high academic standing and with sufficient background in political science. Applications due in November. 1 term — 3 semester hours. Normally offered alternate years.

Government 597 — Honors Colloquium in Public Policy and Administration. Student-faculty colloquium involving substantial reading, discussion and presentation of original papers or work on a group project. Limited to juniors and seniors of high academic standing who have fulfilled all requirements in the Public Policy and Administration track. Applications must be submitted at the end of the semester before the course is scheduled. Enrollment will be limited and requires the consent of the instructor. 1 term — 3 semester hours. Normally offered alternate years.
History

Department of History

Professors: Cavanagh, Greenberg, McCarthy, (joint appointment with Education and Human Services), Robbins (Chairperson)
Instructor: Bellinger
Lecturers: Hannigan, Sicilia, Zybala
Professors Emeriti: Fang, Farley, Hartmann

A major in History provides students with an understanding of the relationships between the contemporary world and the world of the past. The History program at Suffolk teaches analytical and writing skills, and provides multi-cultural perspectives, that provide a solid foundation for students beginning any career or profession. The History Department also furnishes its students with internship opportunities at the Kennedy Library and other suitable Boston-area sites. History majors receive excellent preparation for law school and for graduate study in either the humanities or the social sciences. Upon graduation, they have been readied as well, to pursue careers in teaching at the secondary or university level; in politics, government, and the foreign service; in scholarship, research, and historical consultation; in preservation, archival, and museum work; in international and other business opportunities; and in journalism, public relations, broadcast communications, and writing.

Track I — American History:
History 101-102 (Western Civilization) or History 121-122 (Foundations of the Modern World); History 181-182 (American History); 12 semester hours of American History courses; 6 semester hours of non-American History courses (3 European, 3 multi-cultural).

Track II — European History:
History 101-102 or History 121-122; History 181-182; 12 semester hours of European History courses; 6 semester hours of non-European history courses (3 American, 3 multi-cultural).

Track III — Multi-Cultural History:
History 101-102 or 121-122; History 181-182; 12 semester hours of multi-cultural History courses (Third World, Women’s History, etc.); 6 semester hours of other History courses (3 American, 3 European).

Track IV — History and the Law:
History 101-102 or 121-122; History 181-182; History 211-212 (British History); 6 semester hours of American History courses; 6 semester hours of non-American History courses (3 European, 3 multi-cultural).

Track V — History and Literature:
History 101-102 or 121-122; History 181-182; History 421-422 (European Intellectual and Cultural History), History 281-282 (American Social and Cultural History), or their regional equivalent; 12 semester hours of History courses on the area and period on whose literature the student is concentrating.

The second part of any sequential History offering may be taken prior to the first part (e.g. History 102 may be taken before History 101). Each part is taught as a separate entity. Some courses listed are offered every year, others in alternate years, and some only in every third year. By consulting with members of the Department, students may ascertain what courses will be presented during their sophomore, junior, and senior years. History majors are urged to acquaint themselves with this rotating procedure.
To be considered for Honors in History, a student must have, at graduation, compiled a grade point average of 3.3 or above in at least 15 semester hours of History courses taken at Suffolk University. Honors will be awarded only to those candidates who successfully complete the following program: a one-semester Historiography Seminar (History 503); and an Honors Thesis to be written over the period of one semester, using a History 500 (Studies in History) course as the vehicle. The Thesis will be read, and either accepted or rejected for Honors designation by a Departmental Honors Committee.

**Phi Alpha Theta History Honor Society**

Phi Alpha Theta, a member of the American Association of College Honor Societies and the recognized honor group in the field of history, has maintained its Theta Lambda Chapter at Suffolk since 1962. Composed of both faculty and student members, the Theta Lambda Chapter is comprised of scholarly individuals who have earned outstanding records, both in the classroom and on campus. Student membership is determined: (1) for juniors, by the completion of at least fifteen semester hours of history courses with an average of 3.5, plus a general cumulative average of 3.5; or (2) for seniors, by the completion of at least fifteen semester hours of history, averaging 3.5, plus a general cumulative average of 3.25. Transferred credits cannot be counted in the requirements. Invitations to membership are extended, generally, during the junior and senior years. All inducted members remain permanently on the roster of the Theta Lambda Chapter.

**The Minor Program in History**

Eighteen hours of course work are required of students who elect a minor concentration in history. The requirements are as follows: one of the following two-semester sequences: History 101-102 (Western Civilization I, II) or History 121-122 (Foundations of the Modern World I, II) or History 181-182 (American History I, II); then any four additional History courses numbered 200 or above.

**History Courses**

**History 101-102 — History of Western Civilization.**

A survey of European culture and society from antiquity to the present. Topics include: The Greek, Judaic, and Roman heritage; Christianity; the Middle Ages; the Renaissance and Reformation; the Scientific Industrial Revolutions; imperialism and socialism. 2 terms — 6 semester hours. Offered yearly.

**History 121-122 — Foundations of the Modern World.**

A survey of the major cultural groupings in the world community from the beginning of civilization to modern times. Major attention is given to Mesopotamian, Egyptian, Indian, Chinese, Greco-Roman, African, Amerindian, Judeo-Christian, and Islamic civilizations. 2 terms — 6 semester hours. Offered alternate years.

**History 181-182 — American History.**

A survey of such topics as colonial politics and society; the American Revolution; the Age of Jackson; sectionalism and slavery; industrialization; America's rise to world power; the Great Depression; the two world wars and Vietnam; culture and counter-culture. 2 terms — 6 semester hours. Offered yearly.

**History 201 — History of Business in the Western World.**

An analysis of business in the West from the Roman Empire to the present. Stressed is the relation of business to government, religion, and society as a whole; and the impact of emerging labor organizations upon business. 1 term — 3 semester hours. Offered every third year.
History 202 — American Business in the Twentieth Century. Through lectures, discussions, and case-study methods, this course will examine the evolution of business within the changing economic, social, legal, and political context of the twentieth century mixed economy. Special emphasis will be given to the strategies and structures of large industrial corporations and to the role of entrepreneurs. 1 term — 3 semester hours. Offered every third year.

History 211-212 — British History. England, Scotland, and Wales form Celtic times; the development of the English monarchy after 1066; Tudor and Stuart absolutism; the Civil War; industrialization; the British Empire and world leadership; transition from aristocracy to democracy. 2 terms — 6 semester hours. Offered alternate years.

History 241-242 — History of the Middle East. The first semester traces ancient Middle East backgrounds, Christianity, Islam, Byzantium and the Ottoman and Persian area to 1828; the second semester is on Ottoman and Persian developments; the Armenian Revolution; the Arab Awakening; the rise of constitutional movements; the Israel. 2 terms — 6 semester hours. Offered every third year.

History 251 — The Far East. The history and cultures of Eastern Asia; diplomatic, political, social, and economic developments within China, Korea and Japan during the past two centuries. 1 term — 3 semester hours. Offered every third year.

History 252 — India and Southeast Asia. India and Southeast Asia before and under European imperial control; liberation; contemporary problems. 1 term — 3 semester hours. Offered every third year.

History 261 — African History to 1800. The history of sub-Saharan Africa from “pre-historic” times to 1800. Topics include: the peoples of Africa; the concept of kinship; the formation of states; the spread of Islam; the slave trade; and economic and social transformations. 1 term — 3 semester hours. Offered every third year.

History 262 — Modern African History since 1800. The history of sub-Saharan Africa from 1800 to the present. Topics include: the abolition of the slave trade; Islamic and Zulu revolutions; European imperialism and colonialism; African resistance and national movements; and social and economic development. 1 term — 3 semester hours. Offered every third year.

History 271-272 — Afro-American History. Afro-American history and culture in the United States from its origins to the present. Topics include: the slave trade and slavery; the Civil War and Reconstruction; segregation; the role of the Black church; and the Civil Rights Movement. 2 terms — 6 semester hours. Offered alternate years.

History 273 — History of Sexual Politics. An examination of the role of gender in European and British politics and society from the late eighteenth century until the present. 1 term — 3 semester hours. Offered every third year.

History 276 — History of Modern Latin America. The development of Latin American states, society, economy, and culture from colonial origins to the present. 1 term — 3 semester hours. Offered every third year.

History 277 — Ancient Mesoamerican Life and Culture. The sexual and cultural history of ancient Amerindian societies, including the Olmec, Maya, and Aztec peoples. While their empires rose and fell, and human sacrifice appeased the gods, Mesoamerican art and civilization endured—until the sixteenth-century Spanish Conquest. 1 term — 3 semester hours. Offered every third year.

History 278 — Mexico Since the Spanish Conquest. An historical overview of the four and one-half centuries of cultural, political, and economic developments which shaped modern Mexico—including revolution, war, and the controversial impact of U.S. policy. 1 term — 3 semester hours. Offered every third year.
History 292 — American Diplomatic History since 1898. Modern U.S. foreign policy emphasizing: Dollar Diplomacy, World War I and the League of Nations, disarmament, the Good Neighbor Policy, the menace of imperial Japan and Hitler, and the quest for international security since World War II. 1 term — 3 semester hours. Offered every third year.

History 301-302 — The Ancient World. A problem-centered approach to the political, social, intellectual and cultural development of the Ancient Near East, Egypt, Greece, the Hellenistic World, the Roman Republic and the Roman Empire, emphasizing readings from ancient authors. 2 terms — 6 semester hours. Offered every third year.

History 311 — Cultural History of the Middle Ages. An analysis of civilization in Europe from the fall of the Roman Empire to the High Middle Ages, with special emphasis upon the transformation of learning and developments in the arts. 1 term — 3 semester hours. Offered every third year.

History 312 — The Renaissance and the Reformation. The Italian Renaissance, the Renaissance in the North, Humanism and Pietism, effects of the Age of Discovery, the Protestant Revolt, the Catholic Reformation, new religious sects, the Wars of Religion. 1 term — 3 semester hours. Offered every third year.

History 321 — The Age of Kings and Philosophers. From the Peace of Westphalia to the French Revolution, 1648-1789; French absolutism, Europe in the age of Louis XIV, French hegemony, the Dutch Republic, the rise of Prussia and Russia, the ancien regime the Enlightenment. 1 term — 3 semester hours. Offered every third year.

History 322 — The French Revolution and Napoleon. 1789-1815: the background and outbreak of revolution; the French Republic; the Reign of Terror; the European impact of the Revolution; the career of Bonaparte; Napoleonic warfare; the rise, fall and significance of the Empire. 1 term — 3 semester hours. Offered every third year.

History 331-332 — Eastern Europe. Byzantine and Ottoman influences; role of Poland-Lithuania; Hungarian-Bulgarian-South Slavic history. The second semester covers the nationalistic period and liberation movements since 1800. 2 terms — 6 semester hours. Offered every third year.

History 351 — History of Japan to 1800. This course considers the evolution of Japan's political and social institutions and the development of Japan's distinctive cultural tradition from prehistoric times to the late Tokugawa period in the early nineteenth century. Illustrative materials will be widely used. 1 term — 3 semester hours. Offered every third year.

History 352 — History of Japan Since 1800. Japan's "modern transformation," stressing events from Commodore Perry's opening of Japan (1853) and the Meiji Restoration (1868) to the present. Emphasized are Japan's twentieth century world life and her relations with the U.S. 1 term — 3 semester hours. Offered every third year.

History 371 — Women in American History. The activities and influence of women in America from the colonial period to the present. Major themes: women's health, political change, sexuality, work roles, and particularly the impact on women of social class and race. 1 term — 3 semester hours. Offered alternate years.

History 372 — Women in History: Europe and the Third World. An exploration of the activities of women in European and Third World history, from ancient to modern times. Topics include: women's work roles; development of contraception; peasant societies; women in revolutionary societies, especially China. 1 term — 3 semester hours. Offered every third year.

History 373 — History of the Family in American and European Society. A comparative history of family structures in America and Europe. Topics include: family life in pre-modern and modern societies; changing psychology and functions of families; history of childhood; impact of revolutions on family patterns. 1 term — 3 semester hours. Offered every third year.

History 374 — American Urban History. The development of cities in American history from the colonial period to the present. Major themes: ethnic and racial urban problems; living conditions in cities; urban-rural tensions; the culture of cities. 1 term — 3 semester hours. Offered every third year.

History 375 — History of American Immigration. American immigrants studied from colonial times. Topics include: immigrant origins; factors encouraging immigration; immigrant adaptation to America; native reactions to immigrants; achievements and contributions of ethnic groups; current immigration conditions. 1 term — 3 semester hours. Offered every third year.
History 376 — History of the Women's Movement.
Rise of social and political movements for women's rights in modern America and Europe; the Suffrage Movement; women in capitalist and socialist societies; challenges of the new American women's movement, 1960s-1980s. 1 term — 3 semester hours. Offered every third year.

History 377 — Women and Religion in America.
Topics include: women in the formation of Judeo-Christian tradition; women in American religions and Roman Catholicism; women's leadership in non-mainstream churches; religion and politics in women's lives. 1 term — 3 semester hours. Offered every third year.

History 381 — American Colonial History.
The course emphasizes: the founding and settlement of the colonies; their social, economic, and political development; the British-French struggle for control of the North American continent; the Great Awakening; the background and causes of the American Revolution. 1 term — 3 semester hours. Offered every third year.

History 382 — Era of the American Revolution.
This course provides an in-depth analysis of the background, progress, and results of the American Revolution. Emphasis is placed upon military aspects of the War for Independence, and on post-war efforts to establish a permanent workable American government. 1 term — 3 semester hours. Offered alternate years.

History 383 — Boston: The Heritage of a City.
The development and influence of Boston from its foundation in 1630: the Massachusetts Bay Colony, cradle of the American Revolution; Boston as a Yankee merchant capital, Brahmin cultural center, immigrant melting pot, and modern metropolis. 1 term — 3 semester hours. Offered every third year.

History 384-385 — Military History.
Western warfare from ancient times until the present, stressing strategy and tactics, weapons development and use. In-depth study of Greek, Roman, and medieval warfare, the American Revolutionary War, Napoleonic battles, the American Civil War, World War, World Wars I and II, and the Nuclear Age. 2 terms — 6 semester hours. Offered alternate years.

History 391 — the Young Nation: U.S. History 1789-1850.
America's early national history, from President Washington to pre-Civil War sectional strife. Topics include Hamilton's and Jefferson's impact, the War of 1812, Marshall and Court, nationalism and westward expansion, Jacksonian democracy, the Mexican War, slavery and sectionalism. 1 term — 3 semester hours. Offered alternate years.

History 392 — The American Civil War and Reconstruction.
Topics include the antebellum reform and expansion movements, especially as they affected slavery, and the deepening sectional crisis of the 1850's. An in-depth analysis of the violent Civil War which followed, and Southern Reconstruction to 1877. 1 term — 3 semester hours. Offered alternate years.

History 393 — America: The Old and New South.
The American South from colonial times to the present. Topics include: slavery, plantation life, sectional strife and Civil War; Reconstruction and racism; the civil rights struggle, and the dynamic “New South”. 1 term — 3 semester hours. Offered every third year.

History 394 — Slavery.
Seminar on the history and nature of dependency. Consideration of the ideas of Hegel, Marx, Jefferson and American pro-slavery thinkers, and of the practice of slavery within the Americas. 1 term — 3 semester hours. Offered every third year.

History 411-412 — Europe Since 1815.
The political, economic, and social development of the principal European states from 1815 to the present: 19th-century Nationalism; Industrialization; Socialism; Imperialism; Militarism; World War I; Bolshevism and Fascism; World War II; the Cold War. 2 terms — 6 semester hours. Offered every third year.

History 414 — Nazi Germany.
German and European preconditions; the Versailles Treaty and the failure of the Weimar Republic; Hitler's ideas, collaborators and institutions; Nazi foreign and domestic policy; World War II and the concentration camps. 1 term — 3 semester hours. Offered every third year.

History 415 — Ireland: From the Celts to the Present.
Irish origins and medieval background; Anglo-Irish history from the Tudor invasion of Ireland in 1534 to the present will be explored in greater detail with emphasis on the interrelationship between developments in the two nations. 1 term — 3 semester hours. Offered every third year.
History 421-422 — Intellectual and Cultural History of Modern Europe. The educated classes of Europe, their sociology and their culture, from the Renaissance to the present: the Scientific Revolution, the Enlightenment, the French Revolution, 19th-century Liberalism and Conservatism, Socialism, and 20th-century Irrationalism. 2 terms — 6 semester hours. Offered every third year.

History 431-432 — History of Russia. Rise of the Russian state and people; social and political developments through the reign of Nicholas I, to 1855. The second semester deals with Russia's efforts to modernize, the emancipation of the serfs; twentieth century Czarist Russia, the Russian Revolutions, and the Soviet Union. 2 terms — 6 semester hours. Offered alternate years.

History 433 — The Russian Revolution. The origins, events, and aftermath of the Bolshevik Revolution, 1917-1929: conditions under the Czarist regime; the revolutionary underground; the February and October Revolutions; civil war and consolidation of Bolshevik power; Lenin, Trotsky, Stalin. 1 term — 3 semester hours. Offered every third year.

History 451 — History of China to 1800. The cultural, intellectual, and political history of China from prehistoric times to 1800; in-depth consideration of Chinese philosophy, literature, fine arts and folklore. Museum trips are undertaken to view such exhibits as Chinese bronzes and Buddhist art. 1 term — 3 semester hours. Offered every third year.

History 452 — History of China Since 1800. This course includes topics related to China's "modern transformation" in the nineteenth and twentieth centuries, the background and rise of Chinese Communism and the development of the People's Republic of China, and Chinese-American relations to the present. 1 term — 3 semester hours. Offered every third year.

History 483 — Death, Disease and Healing in American History. American medicine from the eighteenth century to the present. Topics include: public health, epidemics, alternative medical systems, the medical profession, medical education, women and medicine, genetic manipulation, insanity, the development of hospitals and medical ethics. 1 term — 3 semester hours. Offered every third year.

History 484 — Crime Law and Society in U.S. History. American crime from the Puritans to the present. Topics include: punishment, witchcraft, mobs, crime and slavery, origins of prisons and police, criminal insanity, juvenile justice, prohibition, the Klan, organized crime, and women and crime. 1 term — 3 semester hours. Offered every third year.

History 485 — History of American Law. A topical seminar on the social history of American law from the 17th century to the present. Topics include law and the economy, the law of slavery, the legal profession, the courts, administrative law, torts. 1 term — 3 semester hours. Normally offered every third year.

History 491 — The Gilded Age: U.S. History 1877-1914. The major political, economic and social forces in Victorian America from Reconstruction to World War I. Topics include: business-government interrelationships, industrialization with its attendant problems, American imperialism and the Spanish-American War, the Populist revolt, and Progressive reform. 1 term — 3 semester hours. Offered every third year.

History 492 — The United States in the Twentieth Century. America's emergence as a world power; the Progressive era; U.S. intervention in World War I and its consequences; depression in the 1930's; the New Deal and World War II; major developments since 1945. 1 term — 3 semester hours. Offered yearly.

History 500 — Directed Studies in History. By special arrangement members of the department will schedule seminars or individual discussion sessions with students interested in directed reading and research. Open to Juniors and Seniors with the permission of the instructor. 1 term — 3 semester hours. Offered each semester on demand.

History 503 — Historiography Seminar. The various schools and philosophers of history writing from the eighteenth century to the present; approaches to historical analysis; and the sources and skills that each approach requires. A limited-enrollment honors seminar. 1 term — 3 semester hours. Offered yearly on demand.
Department of Humanities and Modern Languages

Professors: Chiasson, Hastings, Mendez-Herra, Weitz (Chairperson)
Associate Professors: Hourtienne, Parks
Assistant Professors: Webbe
Lecturers: Clark, Eykamp, Follett, Passanisi
Professors Emeriti: Boudreau, Fang, Fehr, Goodrich, Petherick.

The Humanities major provides an integrated approach to the study of civilization, with particular emphasis on the art, literature, music and religions of the Western world.

Requirements for a major are satisfied by completion of 30 hours of course work in Humanities, to include Introduction to the Humanities (6 hours), Introduction to Western Art (6 hours), and History of Music (6 hours). With permission of a Humanities and Modern Languages advisor, certain courses in History may also be included in the student’s major program.

A Minor concentration in Humanities requires 18 hours of course work as follows:

- Humanities 101-102 6 hours
- Humanities 103-104 6 hours
- Humanities 111, 112 6 hours

Minor concentrations are also offered in Art History and Studio Arts.

The Minor in Art History requires 18 credit hours of course work as follows:

- Humanities 103-104 6 hours
- Four 300-level Humanities courses in Art History 12 hours

The Minor in Studio Arts requires 18 credit hours of course work as follows:

- Humanities 109-110, 207 9 hours
- Three additional courses in Studio Arts (except Humanities 115-116) 9 hours

Honors in Humanities

Students who have achieved a 3.0 average in general and who have completed at least 21 hours in Humanities courses with an average of 3.3 or better are eligible for honors in Humanities.

Humanities Courses

Humanities 101 — Introduction to the Humanities I. Presentation and analysis of various artistic and literary productions of Western Civilization from the Ancient World through the Middle Ages. Discussion of the cultural value systems that produced particular movements in the arts, literature, architecture and music. 1 term — 3 semester hours. Offered yearly.

Humanities 102 — Introduction to the Humanities II. Presentation and analysis of selected artistic and literary materials from Western cultural movements from the Renaissance to the present. No prerequisite. 1 term — 3 semester hours. Offered yearly.

Humanities 103 — Introduction to Western Art, I. A survey of major works of art from pre-historic times through the Middle Ages. Painting, sculpture, architecture and the minor arts are examined from the perspective of their time and place in history. 1 term — 3 semester hours. Offered yearly.

Humanities 104 — Introduction to Western Art, II. A survey of major works of art from the Renaissance to the present, with a particular view toward the historical significance of selected works of painting, sculpture, architecture and the minor arts in these periods. Prerequisite: Humanities 103. 1 term — 3 semester hours. Offered yearly.
Humanities 111 — History of Music, I. A chronological survey of Western music from Gregorian chant to the death of Beethoven. Assigned readings, critical listening, class discussion and concert attendance. 1 term — 3 semester hours. Normally offered yearly.

Humanities 112 — History of Music, II. A chronological survey of Western music from Schubert to the present. Assigned readings, critical listening, class discussion and concert attendance. 1 term — 3 semester hours. Normally offered yearly.

Humanities 217-218 — Religions of the World. An overview of major historical religions, including American Indian religions, African religions, Hinduism, Buddhism, Judaism, Christianity and Islam. 2 terms — 6 semester hours. Normally offered alternate years.

Humanities 225 — Music Around Boston. Representative concerts of chamber, orchestral and vocal music. Introductory study of musical materials, the works to be performed, their composers and the time in which they lived. Discussion of the concerts and evaluation of the performances. 1 term — 3 semester hours. Normally offered alternate summers. Costs for attendance at concerts will be borne by the student.

Humanities 255 — Women in the Judeo-Christian Tradition. An examination of the traditional role of women in the Judeo-Christian tradition and how that role has been changing in the last thirty years. Discussion of issues in contemporary feminist theology and other topics of interest. 1 term — 3 semester hours. Normally offered alternate years.

Humanities 256 — Women in World Religions. An examination of the role of women in major religions including Islam, Hinduism, Buddhism and Christianity in the Third World. Comparison of traditional religious views with newly emerging roles for women that challenge social and cultural stereotypes. 1 term — 3 semester hours. Normally offered in alternate years.

Humanities 305 — The Art of Ancient Greece and Rome. Painting, sculpture and architecture of ancient Greece and Rome in their cultural context. Emphasis on the temple form and the representation of the ideal human figure in Greece. Engineering achievements, portrait sculpture and wall paintings of the Roman Empire. Prerequisite: Humanities 103-104, or permission of instructor. 1 term — 3 semester hours. Normally offered in alternate years.

Humanities 306 — The Art of the Middle Ages. Religious and secular painting, sculpture, architecture and the minor arts in the context of medieval civilization. Included are Byzantine mosaics, Carolingian manuscripts, Romanesque monastery churches and Gothic cathedrals. Prerequisite: Humanities 103-104, or permission of instructor. 1 term — 3 semester hours. Normally offered in alternate years.

Humanities 307 — Art of the Italian Renaissance. Painting, sculpture and architecture of the Italian Renaissance as they relate to the interests and ideas of the times. Artists include Masaccio, Botticelli, Leonardo da Vinci, Raphael, and Michelangelo. Prerequisite: Humanities 103-104 or permission of instructor. 1 term — 3 semester hours. Normally offered in alternate years.

Humanities 308 — Art of the Baroque and Rococo. A study of 17th and 18th century painting and sculpture in Italy and Northern Europe. Artists include Rembrandt, Rubens, Caravaggio, Bernini, Poussin, Velasquez, Watteau, Bourcher, Fragonard and Chardin. Prerequisite: Humanities 103-104 or permission of instructor. 1 term — 3 semester hours. Normally offered in alternate years.

Humanities 309 — Art of the Nineteenth Century. A study of Romanticism, Realism, Impressionism and Post-Impressionism in painting, sculpture and architecture. Artists include Courbet, Delacroix, Goya, Millet, Daumier, Monet, Manet, Van Gogh, Rodin, Renoir and Cezanne. Prerequisite: Humanities 103-104 or permission of instructor. 1 term — 3 semester hours. Normally offered every third year.

Humanities 310 — Art of the Twentieth Century. A study of Symbolism, Art Nouveau, Cubism, Surrealism, Abstract Expressionism, Pop Art and Op Art in painting, sculpture and architecture. Artists include Matisse, Picasso, Dali, Klee, Braques, LeCorbusier, Gropius, and Chagall. Prerequisite: Humanities 103-104 or permission of instructor. 1 term — 3 semester hours. Normally offered every third year.

Humanities 311 — Art of the United States. An overview of painting, sculpture, and architecture by U.S. artists such as Copley, Stuart, Bullfinch, Jefferson, Whistler, Sargent, Homer, Eakins, Wright, Pollack, Rauschenberg and Wyeth. Prerequisite: Humanities 103-104 or permission of instructor. 1 term — 3 semester hours. Normally offered every third year.
Humanities 401-402 — Seminar in Humanities.
A seminar on topics of interest dealing with the interrelatedness of the arts and literature. Permission of instructor. 2 terms — 6 semester hours.

Humanities 501-502 — Independent Study.
Students meet with a department member to pursue advanced studies in the areas of particular interest to them. Instructor's permission.

Note: Related course offering: Journalism 455. "European Films and Fiction".
Interdepartmental Programs
No major available.

Integrated Studies
Coordinator: Dr. Robbins

The College of Liberal Arts and Sciences is organized on the basis of Departments which offer courses by faculty specialists in particular fields of study. While this traditional arrangement ensures that students have access to depth of education in their particular majors, certain questions require courses which cross disciplines. What is the basis of legitimate authority? How do machines transform our thought and our lives? What are the various ways of knowing about the world? What is the difference between men and women? These are the kinds of issues which provide the focus for inter-disciplinary “Integrated Studies” courses.

Integrated Studies 111-112 — Social Sciences and Humanities. This two-semester sequence uses materials drawn from several disciplines and is designed to help incoming freshmen develop the skills, habits of inquiry, and broadened range of interests necessary to pursuing a higher education successfully and independently. Each half of the sequence carries 3 semester hours’ credit. Sequence is offered every year and is required of all freshmen.

Science

All Science courses must be taken with their respective laboratories unless otherwise noted or waived by written permission of the Biology or Physics Department Chairperson.

Science 101-102 — Introduction to Physical Science. Designed to acquaint non-science majors with physical science. Topics drawn from astronomy, physics and chemistry including question relating to the nature of matter, physical laws, and the structure of the universe. Prerequisite: Math 111, 112 or Math 145 or Math 161. 2 terms — 6 semester hours. Normally offered yearly.

Science L101-L102 — Physical Science Laboratory. Basic laboratory measurements illustrating fundamental concepts in the physical sciences. 2 terms — 2 semester hours. Normally offered yearly.

Science L105 — Composite Physical Science Laboratory. Combination lecture and laboratory with the same laboratory material as covered in SCI L101 and SCI L102. This is intended for transfer students only who have received course credit in the physical sciences at another school and who still need to satisfy the laboratory requirement. Permission of instructor required before registration. 1 term — 2 semester hours. Offered yearly but only in the spring term.

Science 111 — Introduction to Planetary Astronomy. History of Astronomy from the ancients to Newton; light; telescopes; sun, earth, moon, planets, comets, asteroids, meteors; space programs, science and technology in society. Observations and photographic sessions with Celestron 8 inch cassegrain and 2 inch refractors. For non-science majors. Prerequisite: Math 111, 112 or Math 143 or Math 161. 3 semester hours. Normally offered yearly. Fall term.

Science 112 — Introduction to the Universe. Astronomy of the cosmos; Sun, stars, interstellar materials, galaxies, pulsars, quasars, black holes; nature of time relativity cosmology. Observations and photographic sessions with Celestron 8 inch cassegrain and 2 inch refractors. For non-science majors. Prerequisite: Math 111, 112 or Math 143 or Math 161. 3 semester hours. Normally offered yearly. Spring term.
Science L111-L112 — Astronomy Laboratory I, II.
Laboratory concentrating on observational astronomical techniques both in the classroom and under the stars using telescopes, astro-photography, and computer simulation. Some labs meet evenings. Lab should be taken in conjunction with Science 111, 112. 2 terms — 2 semester hours. Normally offered yearly.

Science 113** — Introduction to Celestial Navigation. Principles of position-finding by lunar, sun, planet and star sights. Use of the sextant, chronometer, almanac, sight reduction tables, and plotting instruments. Laboratory experience includes taking sights and lines of positions, and pocket calculator navigation. Prerequisite: Math III, 112 or Math 143 or Math 161. 1 term — 3 semester hours. Normally offered yearly.

Science L115 — Navigation Laboratory. Pratical use of the techniques of Coastal Navigation and Celestial Navigation in an at-sea environment. The laboratory experience will include electronic navigation methods, LORAN-C and RDF, as well as DR and celestial navigation at night. Permission of instructor required. Prerequisite: SCI 113 or SCI 114. 1 term — 2 semester hours. Normally offered in alternate years in the summer term only (which requires a summer 2 credit hour registration fee plus lab fee).

Science L121-L122 — Basic Chemical Science Laboratory and Applied Chemical Science Laboratory. The principles of chemistry and its applications demonstrated through experimentation. 2-hour laboratory period. Concurrent enrollment in Science 121-122 required. 2 terms — 2 semester hours. Normally offered yearly.


Science 251 — Introduction to Coastal Geology I. A broad overview of the physical and geological processes of the coastal zone. Coastal environments will be analyzed with an emphasis on the important environmental management characteristics of these areas. 3 hours lecture. 1 term — 3 semester hours.

Science L251 — Introduction to Coastal Geology I Laboratory. An introduction to laboratory and field techniques used in the geological study of coastal environments. Field trips will be taken to local coastal areas. 5 hours laboratory. 1 term — 1 semester hour.
Science 252 — Introduction to Coastal Geology II. Near shore and off-shore coastal areas stressed with a consideration given to management problems involving offshore oil, gas development, sand and gravel mining and other continental margin and deep ocean basin activities. 3 hours lecture. 1 term — 3 semester hours.

Science L252 — Introduction to Coastal Geology II Laboratory. An introduction to laboratory and field techniques used in the geological study of coastal environments. Field trips will be taken to local coastal areas. 3 hours laboratory. 1 term — 1 semester hour.

Note: Science 251-252, L251-L252 serve the combined interest of the Biology and the non-science majors as each may qualify for either Marine Science or all-college requirements.

Science 253 — Introduction to Marine Studies. A multidisciplinary, interinstitutional course with marine-related topics from the humanities, social sciences, and natural sciences. Lecture laboratory and field trips. 1 term — 3 semester hours.

Science 303 — Criminalistics. Application of the principles of forensic science in evaluating physical evidence, with emphasis on its role in criminal investigation. Class experiences may include analysis of simulated crime scenes and samples, expert guest lecturers and field trips. (Does not satisfy University Natural Science requirement). 1 term — 3 semester hours.

Science 433 — Environmental Science Technology. A field or laboratory program conducted during a six-month residency at an affiliated agency. Oral and written reports are required. Each program is directed by an agency supervisor. Prerequisite: Junior/Senior Status, approval by Biology Chairman. 12 semester hours.

Science 533 — Environmental Science — Directed Study. Part time involvement with a laboratory or field-oriented project at a local agency. Ten contact hours, a project report and a monthly seminar required. Course may be repeated for up to 12 semester hours. Prerequisites: approval of Biology Department Chairman. Multiple terms — 4 semester hours each.

NOTE: Science/Biology courses are offered in support of the Environmental Technology Program but are open to other students qualifying within the Biology curriculum.

Science 570 — Medical Technology Internship. The academic program of training experiences within the hospital schools of Medical Technology as defined in the areas of Clinical Chemistry (Science 573), Hematology (Science 574), Clinical Microbiology (Science 575) and, Blood Banking (Science 576) or equivalent courses. Internship — 1 year. 32 semester hours.

Science 599 — Special Topics. A course with special interest topics in science which are interdisciplinary or multidisciplinary, primarily for graduate-level students or advanced undergraduates. The course carries a special designation indicating the specific science focus of the offering. Prerequisites: Advanced science standing consistent with the subject matter content of the special topic. 1 term — 1-4 semester hours.

Women's Studies
Director: Dr. Agnes S. Bain

Minor in Women's Studies
The Women's Studies minor contains interdisciplinary courses as well as courses taught within a number of departments in the College of Liberal Arts and Sciences. The minor is designed to develop and integrate knowledge about women within the academic curriculum, and provide a focus for students wishing to expand their understanding of the problems of and options for women within our own and other sciences.

Courses constituting the minor in Women's Studies are devoted to an exploration of how women have confronted the biological, cultural, economic, political, psychological, religious and sociological conditions of their lives, as well as their changing concerns in historical and contemporary societies.

Required Core Component 6 credits
Women's Studies 111 — Women, History and Culture
Women's Studies 113 — Women, Science and Society
Designated Course Component 12 credits

Four courses to be chosen from the following list. No more than two from any single department. For course descriptions, refer to the appropriate department of this catalog.

- English 387 — Women and Literature
- Government 203 — Women in Politics
- Government 205 — Women in Third World Politics
- History 371 — Women in American History
- History 372 — Women in History: Europe and the Third World
- History 376 — History of the Women’s Movement
- History 377 — Women and Religion in America
- Humanities 255 — Women and The Judeo-Christian Tradition
- Humanities 256 — Women and World Religions
- Humanities 325 — French Women in Fact and in Fiction
- Psychology 237 — Psychology of Women
- Sociology 273 — Women in Contemporary Society
- Sociology 275 — Women and Crime
- Sociology 286 — Women and Work
- Sociology 355 — Women and Health

Special Topics

Some students may wish to include specialized research in their minor. They may do so by including, as part of their 12 designated course credits, 3 credits of “directed study” using the designation, Women’s Studies 511 — Directed Study in Women’s Studies; and/or 3 credits of “field study” using Women’s Studies 503 — Field Studies in Women’s Studies.

Information/Advising

Students wishing to minor in Women’s Studies should see a faculty member who is on the Women’s Studies Committee.

Women’s Studies Courses

Women's Studies 111 — Women, History and Culture. Examines the roles and images of women in Western culture as reflected in such areas as art, literature, religion, myths, philosophy and history. 1 term — 3 semester hours. Normally offered every year.

Women's Studies 113 — Women, Science and Society. Women’s lives from the perspective of the social and natural sciences: recent biological, sociological and psychological theories about sex and gender roles; women’s action for social change. 1 term — 3 semester hours. Normally offered every year.

Women's Studies 503 — Field Studies in Women's Studies. Includes opportunities for creditworthy field experiences such as internships, symposia, seminars, practicums, etc., relevant to Women’s Studies. Open to all Minors in Women’s Studies by special arrangement with a designated faculty member and the student’s Women’s Studies advisor. 1 term — 1-3 semester hours. Offered as opportunities arise.

Women's Studies 511 — Directed Study in Women's Studies. Substantive reading/research in an area of special interest directed by a faculty member in the appropriate academic discipline. Open to junior and senior minors in Women’s Studies by special arrangement with the relevant faculty member and the student’s Women’s Studies advisor. 1 term — 3 semester hours. Offered every semester.

Women's Studies 521 — Women's Studies Internship. Approximately 12 hours a week working in a women's studies related placement. Interested students must consult an advisor in advance so that placements can be identified. 1 term 3 semester hours. Offered every semester.

Women's Studies 522 — Women's Studies Internship Seminar. Weekly seminar for students in the internship program, using the internship experience in discussing and testing theories presented in reading assignments. 1 term — 3 semester hours. Offered every semester.
Women's Studies 523 — Women's Studies
Washington Internship (Fall or Spring). A full-time, one-semester internship in Washington, D.C. Consult the Department office for more details. **Prerequisite:** junior standing; limited to 5 students per semester, chosen by competitive application. 1 term — 12 semester hours.

Women's Studies 524 — Women's Studies
Washington Internship (Summer). A full-time summer internship in Washington, D.C. Consult the Department Office for more details. **Prerequisite:** junior standing; limited to 5 students per semester, chosen by competitive application. 1 full semester session — 9 semester hours.

Women's Studies 525 — Women's Studies
Washington Seminar. Available in conjunction with WS 523 or 524. 1 term — 3 semester hours.

Women's Studies Committee:
Dr. Agnes S. Bain, Govt., Chairperson; Dr. John Berg, Govt.; Dr. Rebecca DiLiddo, Biology; Prof. Judith R. Dushku, Govt.; Dr. Deborah Geisler, Communications and Journalism; Dr. Kenneth Greenberg, History; Prof. Ann Hughes, English; Dr. Bette Mandl, English; Dr. Martha Richmond, Chemistry; Ms. Wendy Sanford, Campus Ministry; Dr. Alexandra Todd, Sociology; Dr. Margaret Collins Weitz, Humanities; Ms. Melanie Zybala, History.
Coordinators: Hastings, Mohtadi

The Department of Economics and the Department of Humanities and Modern Languages offer under joint sponsorship a career-oriented program that combines theory of international economics and trade with practical training in a foreign language and the political, economic and cultural history of the foreign people.

International Economics is offered in both the B.A. and B.S. format. In recent years there has been a notable trend in many American industries in which increasing emphasis is placed on broad liberal arts background in the employee recruitment process. Students who wish to acquire this broad liberal preparation should select the B.A. format. The foreign language requirement for that degree is automatically met by the language requirement of the Program itself. Students who wish to acquire the maximum depth of professional expertise in international business will select the B.S. option which places a relatively strong emphasis upon the systems of economic interchange that link nations together in the world community.

Students are advised that the International Economics major requires acceptable progress toward practical competency in the selected foreign language. Course requirements are as follows:

### B.A. Degree

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Free Electives</td>
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### Sophomore

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>English</td>
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<tr>
<td>Logic, Speech</td>
<td>6</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>6</td>
</tr>
<tr>
<td>Economics 281, 282</td>
<td>6</td>
</tr>
<tr>
<td>Accounting 211, 212</td>
<td>6</td>
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### Junior

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<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Marketing 310, 321</td>
<td>6</td>
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<tr>
<td>Foreign Languages</td>
<td>6</td>
</tr>
<tr>
<td>Natural Science Requirement</td>
<td>8</td>
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<tr>
<td>Social Science F213</td>
<td>3</td>
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<td>Economics 291, 292, 383</td>
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### Senior

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Foreign Languages</td>
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<tr>
<td>Area Studies Electives*</td>
<td>6</td>
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<tr>
<td>Social Science Requirement</td>
<td>3</td>
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<tr>
<td>Economics 441, 442</td>
<td>6</td>
</tr>
<tr>
<td>Marketing 421</td>
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### B.S. Degree

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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Math</td>
<td>6</td>
</tr>
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<td>Humanities Requirement</td>
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<tr>
<td>Social Science Requirement</td>
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<td>Free Elective</td>
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### Sophomore

<table>
<thead>
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<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>English</td>
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</tr>
<tr>
<td>Logic, Speech</td>
<td>6</td>
</tr>
<tr>
<td>Foreign Languages</td>
<td>6</td>
</tr>
<tr>
<td>Economics 281, 282</td>
<td>6</td>
</tr>
<tr>
<td>Accounting 211, 212</td>
<td>6</td>
</tr>
</tbody>
</table>
Students may select French or Spanish as their foreign language and area of study. Those who enter the program with considerable previous foreign language experience will be advised and required to take alternative foreign language, economics or Area Studies courses.

*Area Studies are appropriate courses offered by several departments through which students can broaden their knowledge of the nations or regions in which the language is spoken.

The following is a list of appropriate Area Studies courses:

History: 121, 122, 151, 152, 201, 202, 241, 242, 251, 252, 262, 352.
Sociology: 263, 266, 294.

As part of their Area Studies electives, B.A. students must take at least one of the following:

Government 261
History 202
Part of a larger text document related to the Journalism department at a university, outlining the structure and requirements of the major, including core courses, electives, and specializations. The text is structured in a clear and organized manner, with sections dedicated to professors, major requirements, and specialized electives. The document is focused on providing comprehensive information for students interested in pursuing a degree in Journalism, detailing the necessary coursework and advising on the importance of pre-requisite considerations for various courses.
Related Electives — Choose 4

JRN 514/CSP 505 — Internship
CSP 375 — Organizational Communication
CSP 475 — Consulting
CSP 359 — Media Advertising
JRN 383 — Introduction to Technical Communication
JRN 384 — Advanced Technical Communication
JRN 313 — Reporting Fundamentals
JRN 318 — The Magazine
JRN 218 — Photojournalism
JRN 513/CSP 503 — Advanced Study
GVT 233 — Public Relations and Lobbying
(NOTE: Internship may be taken for a maximum of 6 hours, so may count as two electives.)

Journalism Major — Track C (Broadcasting)

Required Core Courses
JRN 113 — Introduction to Journalism
JRN 114 — Newswriting
JRN 213 — Law of Communication
JRN 219 — History of Journalism
JRN 313 — Reporting Fundamentals
JRN 414 — Advanced Reporting
JRN 433 — Broadcast Journalism/Radio
JRN 434 — Broadcast Journalism/TV

Related Electives — Choose 4
JRN 316 — Press and Society
JRN 453 — Television Documentary
JRN 413 — Feature and Special Articles
JRN 218 — Photojournalism
JRN 581-582 — Seminar in TV News & Public Affairs
CSP 255 — Intro to Mass Comm.
CSP 359 — Media Advertising
CSP 256 — Studio Operations
CSP 355 — Media Production
CSP 455 — Advanced Media Production
JRN 514/CSP 505 — Internship
(NOTE: Internship may be taken to a maximum of 6 hours, so may count as two electives.)

Journalism Courses

Journalism 113 — Introduction to Journalism. A survey of the journalistic field designed to acquaint students with what journalism has to offer. It studies newspaper, magazine and electronic media in contemporary America. With newspaper journalism as a foundation, basic journalism copy will be discussed, written and analyzed. 1 term — 3 semester hours. Normally offered yearly.

Journalism 114 — News Writing. A study of news, news values and news sources and the lead, style and structure of news stories. Practice in writing basic news copy and elementary field experience in the coverage of a news story. 1 term — 3 semester hours. Normally offered yearly.

Journalism 213 — Law of Communications. An examination of the basic rules and principles of law governing journalists in a democratic society. The course will cover such areas as libel, slander, invasion of privacy and the right to know. 1 term — 3 semester hours. Normally offered yearly.

Journalism 218 — Photojournalism. An examination of the role of photography in the journalistic process. A discussion of photography as communicator and a survey of the history of photography. 1 term — 3 semester hours. Normally offered alternate years.


Journalism 243 — Introduction to Public Relations. The basic principles and techniques of public relations are examined. 1 term — 3 semester hours. Normally offered yearly.

Journalism 243 — Documentary Film. A study of the history and theory of nonfiction film and its role as a means of modern communication. 1 term — 3 semester hours. Normally offered yearly.
Journalism 273 — Introduction to Science Communication. A basic examination of the theories and techniques of writing and editing scientific articles for the news media. The relationship of the journalist to the scientific community also is studied. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 280 — Introduction to Practical Journalism. An examination of methods used in developing a newspaper to serve readership needs. Included in the course will be supervised writing, editing, layout and design, paste-up and critiquing of the Suffolk Journal, (student newspaper). Prerequisite: Journ. 114. 1 term — 3 semester hours. Normally offered yearly.

Journalism 313 — Reporting Fundamentals. The principles and techniques of basic news reporting are studied and applied. Also an introduction to and analysis of interpretive reporting, "alternative" and "new" journalism. Prerequisite: Journ. 114. 1 term — 3 semester hours. Normally offered yearly.

Journalism 316 — Press and Society. A study of how the news media and society interact and effect each other. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 317 — Copy Editing. A study of the fundamentals of copy editing, newspaper typography and makeup, with training in the principles and practice of all three. Prerequisite: Journ. 113 and Journ. 114. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 318 — The Magazine. A study of selected contemporary magazines. Their design, layout, style, editing and content are examined. Also included is an examination of how a magazine is planned, edited and published. Prerequisite: Journ. 113. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 355 — The American Cinema. A social, political and economic history of the American cinema from the silent era to the present, including a survey of Hollywood filmmaking and independent alternatives to the Hollywood studio system. Prerequisite: Journ. 253. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 363 — Copywriting. A study of the principles and techniques of writing advertisements. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 380 — Advanced Practical Journalism. A study of research and reporting skills, advanced editing techniques and layout and design principles. Students should be involved in either extensive reporting projects or hold a supervisory position on the Suffolk Journal. Prerequisite: Journ. 114 and Journ. 280. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 383 — Introduction to Technical Communication. An overview of the methods and media used in communicating scientific, medical and industrial information. Written assignments are supplemented with laboratory instruction in design and page makeup. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 384 — Advanced Technical Communications. A study of the more advanced principles and techniques of technical writing and editing. Students develop, write and edit technical documents for users of apparatus and equipment. Prerequisite: Journ. 383 or instructor’s permission. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 413 — Feature and Special Articles. Writing and submitting for publication articles for newspapers, magazines and syndicates. Prerequisite: Journ. 313. 1 term — 3 semester hours. Normally offered yearly.

Journalism 414 — Advanced Reporting. Experience in the more difficult reporting and writing assignments. Interpretative (analytical) and investigative news stories are studied and written. Some stress on covering state and local government and the courts. Prerequisite: Journ. 114 or Journ. 313. 1 term — 3 semester hours. Normally offered yearly.

Journalism 415 — Critical Writing for the Media. An examination of the theories and techniques of critical writing for the media. Prerequisite: Journ. 113. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 416 — Great Works in Journalism. A study of the language and techniques of noted journalists writing in English from earlier eras until the present. Prerequisite: Journ. 113. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 433 — Broadcast Journalism-Radio. The study and practice of gathering, writing and editing news for radio. Prerequisite: Journ. 114. 1 term — 3 semester hours. Normally offered yearly.
Journalism 434 — Broadcast Journalism—Television. A study and practice of gathering, writing and editing news for television. Prerequisite: Journ. 114 or Journ. 433 and instructor's consent. 1 term — 3 semester hours. Normally offered yearly.

Journalism 453 — The Television Documentary. A study of the history of television documentaries from 1950 to the present with emphasis upon script writing and video production. Prerequisite: Journ. 233 or permission of instructor or advisor. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 455 — European Films and Fiction. A survey of the 20th century cinema masterpieces of France, Spain, Italy and Germany, with particular emphasis on the transformation of European literature to the screen. The course combines subtitled film viewing and analysis, with reading in translation. 1 term — 3 semester hours. Normally offered alternate years.

Journalism 513 — Advanced Studies in Journalism. Academically qualified students in their senior year may elect to do independent research in a specialized area of journalism. Advisor's permission is required. 1 term — 3 semester hours. Normally offered yearly.

Journalism 514 — Internship in Journalism. Qualified students in their junior or senior year may choose to obtain relevant journalism experience via an internship. Advisor's permission is required. 1 term — 3 semester hours. Normally offered yearly.

Journalism 531-532 — Seminar in Television News and Public Affairs. An advanced examination of the principles and procedures of television journalism, with a stress on practical experience. Consent of the instructor or department chairperson is required. 2 terms — 6 semester hours. Normally offered alternate years.
Department of Mathematics and Computer Science

Professors: Cohn, Ezust (Chairperson), Hajj, Myrvaagnes, VoVan
Associate Professor: Cook
Visiting Associate Professor: Humphrey
Senior Lecturers: Almadani, Bassiakos, Donovan, Filan, Kristy, Mana, Olia, Zanganah

The study of mathematics has intrigued and inspired some of the finest minds throughout human history. Some devote themselves to the study of mathematics as an end in itself — deepening their own understanding of various abstract concepts and using that understanding to answer some of the many open questions. Others concentrate on the development of mathematical tools which can be applied to problems in many other areas.

The mathematics major programs at Suffolk provide students with strong foundations upon which to build challenging careers. To broaden their options, most of our majors also take a minor in computer science. This combination provides a solid basis for entering the job market immediately upon graduation or for pursuing further studies on a higher level.

Our major program, even with the addition of a minor in another discipline, contains a substantial block of elective courses. A student can use these electives to investigate any subject areas which may be of interest or to construct a pre-professional program best suited to his or her needs.

We have two special programs which augment our major program with selected Education courses. Both of these programs have been accredited by the Massachusetts State Department of Education. A Student completing either of these programs qualifies for certification as a secondary teacher of Mathematics (or Math/Computer Science) in the Commonwealth of Massachusetts (and, because of reciprocal agreements, in about thirty other states).

The department also offers a minor program in mathematics which can be used to complement a major program in another discipline.

Mathematics Major Programs

The requirements for a major in mathematics include 30 hours of mathematics and additional courses in computer science and physics as follows:

Major Course Requirements
Mathematics: (30 hours)
- Mathematics 161-162 (Calculus I and II)
- Mathematics 261-262 (Calculus III and IV)
- Mathematics 431-432 (Linear Algebra and Abstract Algebra)
- Mathematics 461-462 (Analysis I and II)
- Mathematics Elective Courses*

Complementary Major Requirements

Computer Science: (6 hours)
- Computer Science 131-132 (Computer Science I and II)

Physics: (8 hours)
- Physics 151-152, L151-L152 (University Physics and Lab)
Mathematics Major
(Suggested Course Sequence)

Freshman

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Year English</td>
<td>6</td>
</tr>
<tr>
<td>Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 161-162</td>
<td>6</td>
</tr>
<tr>
<td>Physics 151-152 &amp; L151-L152</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science 131-132</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
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Sophomore

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<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Second-Year English</td>
<td>6</td>
</tr>
<tr>
<td>Logic and Speech</td>
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</tr>
<tr>
<td>Language (B.A.) or Humanities (B.S.)</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics 261-262</td>
<td>6</td>
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<tr>
<td>Free Electives</td>
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<td><strong>Total</strong></td>
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Junior

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<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Social Sciences</td>
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<tr>
<td>Mathematics 431-432 or 461-462</td>
<td>6</td>
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<tr>
<td>Mathematics Electives</td>
<td>6</td>
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<tr>
<td>Free Electives</td>
<td>12</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
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Senior

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<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Humanities</td>
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<tr>
<td>Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 461-462 or 431-432</td>
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<tr>
<td>Free Electives</td>
<td>18</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>30</strong></td>
</tr>
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</table>

The requirements for a Mathematics/Education degree include 30 semester hours of Mathematics and additional courses in Computer Science, Physics, and Education, distributed as follows:

Major Course Requirements

Mathematics: (30 hours)
- Mathematics 161-162 (Calculus I and II)
- Mathematics 261-262 (Calculus III and IV)
- Mathematics 341-342 (Probability and Mathematical Statistics)
- Mathematics 351-352 (Geometry and Topology)
- Mathematics 431-432 (Linear Algebra and Abstract Algebra)

Education and Human Services (24 hours)*
- EHS 503 (Foundations of Education)
- EHS 504 (Educational Psychology)
- EHS 505-506 (Curriculum and Methods of Secondary Education)
- EHS 507 (Reading and Communication and Mathematics Skills for Teachers)
- EHS 500 (Practicum — 9 hours)

Complementary Major Requirements

Computer Science: (6 hours)
- Computer Science 131-132 (Computer Science I and II)

Physics: (8 hours)
- Physics 151-152, L151-L152 (University Physics and Lab)

Mathematics/Education and Mathematics/Computer Science/Education

An individual completing this program in Mathematics/Education or Mathematics/Computer Science/Education will qualify for certification as a secondary teacher of Mathematics or Mathematics/Computer Science in the Commonwealth of Massachusetts.
To earn the Mathematics/Computer Science/Education degree, a student must take sufficient additional course work to satisfy the Minor requirements in Computer Science including:

- Computer Science 253 (Assembly Language and Computer Structure)
- Computer Science 265 (Data Structures and Algorithms)
- Computer Science Elective Courses
  [Additional courses to make a total of at least 18 hours. These courses are normally chosen from Computer Science courses numbered 200 or higher. Not more than three hours may be in "language" courses. Physics 351 (Introduction to Microprocessors) and Physics 352 (Microprocessor Interfacing) are acceptable choices. Substitution of any other courses requires written approval by the Chair of the Department of Mathematics and Computer Science.]

*Math The current Requirements for the Certification of Teachers in Mathematics and the Sciences in Massachusetts require thirty-six hours of course work in the 'field of knowledge' and thirty hours of specified Education courses. The 'field of knowledge' requirements are met by combining the thirty hours of Mathematics with the six hours of Computer Science (listed above). The Education requirements are met by the twenty-four hours of EHS courses listed above together with English 101 (Freshman English) and Communications and Speech 103 (Rhetoric and Communication).*

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### Mathematics/Education and Mathematics/Computer Science/Education

(Suggested Course Sequence)

#### Freshman

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
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<tbody>
<tr>
<td>First-Year English</td>
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</tr>
<tr>
<td>Integrated Studies</td>
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<tr>
<td>Mathematics 161-162</td>
<td>6</td>
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<tr>
<td>Physics 151-152 &amp; L151-L152</td>
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<tr>
<td>Computer Science 151-152</td>
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#### Sophomore

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<th>Course</th>
<th>Sem. Hrs.</th>
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<tr>
<td>Second-Year English</td>
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<tr>
<td>Logic and Speech</td>
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<tr>
<td>Language (B.A.) or Humanities (B.S.)</td>
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<tr>
<td>Mathematics 261-262</td>
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</tr>
<tr>
<td>Free Electives [1]</td>
<td>6</td>
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<tr>
<td></td>
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#### Junior

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<tr>
<td>EHS 503, 507</td>
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<tr>
<td>EHS 505-506</td>
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<tr>
<td>Mathematics 351-352</td>
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<tr>
<td>Mathematics 341-342</td>
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<tr>
<td>Free Electives [2]</td>
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<td></td>
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#### Senior

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<td>Humanities</td>
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<td>Social Sciences</td>
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<td>Mathematics 431-432</td>
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<td>EHS 504</td>
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<tr>
<td>EHS 500 (Practicum)</td>
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<td>Free Electives [2]</td>
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</table>

Students in the Mathematics/Computer Science/Education program should substitute the following Computer Science courses for Free Electives in the Sophomore and Junior years:

[1] Computer Science 253 and 265
[2] Computer Science Elective Courses (as described above)
The Mathematics Minor

To qualify for a minor in Mathematics, a student must successfully complete 18 hours of course work in mathematics distributed as follows:

Mathematics 161-162 (Calculus I and II)
Mathematics 261-262 (Calculus III and IV)
Mathematics Elective Courses
[Additional courses totalling six hours must be chosen from mathematics courses numbered 200 or higher.]

The Basic Math Exam

All students taking MATH 101, 103, 105, 143, or 161 are required to take and pass our Basic Math Exam. This 40 minute exam is designed to assess basic arithmetic and algebraic skills which are needed in each of these math courses as well as in several courses that follow. Each student must pass the Basic Math Exam once. The exam is generally given in class during the third or fourth week of the semester to all MATH 101 students. MATH 103 and 105 students who did not yet take and pass this exam will be given several opportunities to do so during specially scheduled exam sessions early in the semester.

The Basic Math Exam is graded on a pass-fail basis and does not affect the course grade except that each student must pass the exam once in order to receive a passing grade in any of these three math courses.

In the unlikely event that a student earns a passing grade in one of these courses without managing to pass the Basic Math Exam, that student will receive a grade of "I" for the semester. If a student in this situation does not pass the Basic Math Exam during the following year, then the "I" will be automatically changed to "F".

The Math Support Network

For students who fail the Basic Math Exam (or who wish to do some systematic reviewing prior to taking the exam) the MATH SUPPORT NETWORK offers special Review Sessions in which the necessary material is covered. After a brief series of sessions (generally tailored to the needs of the participants) the exam is administered again by the Review Session tutor. Students may retake this exam as many times as they wish. With very few exceptions, students who faithfully attend these Review Sessions have no trouble passing the Basic Math Exam. There is no extra tuition charge for these Review Sessions.

In addition to the Review Sessions described above, the MATH SUPPORT NETWORK regularly schedules Drop-In Help Sessions specifically for students in the various freshman and sophomore math courses (MATH 101, 103, 105, 113, 143, 161, 162). Students are invited to drop in to these sessions and get extra help from our Help Session tutors. No appointment is necessary to attend these Help Sessions, and there is no extra charge for attending.

A complete schedule of Review Sessions (for the Basic Math Exam) and Help Sessions (for regular course material) will be announced during the first week of classes.
Mathematics Courses

Mathematics 101 — Introduction to College Mathematics. A selection of topics in algebra and elementary analytic geometry. This course is intended to prepare students who have only had one year of high school algebra to take MATH 103. Transfer students may not use this course alone to satisfy the C.L.A.S. math requirement. Prerequisites: one year of high school algebra. Several sections offered each semester.

Mathematics 103 — Mathematical Analysis. A one-semester introduction to differential and integral calculus. Theory is presented informally and topics and techniques are limited to polynomials, rational functions, logarithmic and exponential functions. This course cannot be used to satisfy core or complementary requirements by students majoring in biology, chemistry, computer science, engineering, mathematics, or physics. Prerequisite: two years of high school algebra or MATH 101. Several sections offered each semester.

Mathematics 105 — Topics in Finite Mathematics. Topics to be chosen from: set theory, logic, combinatorics, probability theory, non-parametric statistics, graph theory. This course is intended for those C.L.A.S. students who enter Suffolk prepared to take MATH 103 and who need a second course to complete their math requirement. MATH 105 can be taken before or after MATH 103. Prerequisites: two years of high school algebra. Generally offered each semester.

Mathematics 113 — Elementary Statistics. A brief review of probability theory, together with an introduction to statistical inference and the treatment of statistical data. Prerequisite: one year of college math or the equivalent. 1 term — 3 semester hours. Normally offered each semester.

Mathematics 143 — Precalculus Mathematics. A review of topics in algebra and analytic geometry intended for students needing one additional semester of preparation before taking calculus. Prerequisite: At least 3 years of high school mathematics. 1 term — 3 semester hours. Normally offered each semester.

Mathematics 161 — Calculus I. Functions, graphs, analytic geometry of lines and circles, limits, continuity, derivatives, differential calculus of algebraic functions; applications to rate problems, maxima and minima and curve sketching. Prerequisite: Solid preparation in high school mathematics or MATH 143. 1 term — 3 semester hours. Normally offered each semester.

Mathematics 162 — Calculus II. Antiderivatives; the definite integral with applications from geometry and physics; logarithmic, exponential, and trigonometric functions; techniques of integration. Prerequisite: MATH 161. 1 term — 3 semester hours. Normally offered each semester.

Mathematics 161-162H — Honors Calculus I & II. Honors Calculus is intended for students who have good high school preparation in math and who are interested in investigating some of the more theoretical and challenging aspects of calculus. Each week, Honors Calculus students attend the three regularly scheduled classes and complete the assignments and exams for MATH 161 or 162. In addition, Honors students attend a fourth session each week during which selected advanced topics are discussed and problems are assigned. Students who register for MATH H161 or H162 but find that they cannot handle the additional Honors work can simply drop/add into the corresponding section of MATH 161 or 162 without penalty.

Mathematics 241 — Statistical Analysis. A calculus based introduction to statistical techniques. Topics include: mean, variance, Chebychev's inequality, probability distributions (Bernoulli, binomial, normal, t and f), central limit theorem, confidence intervals, hypothesis testing, regression and correlation. Prerequisite: MATH 162. Offered once each year as needed.

Mathematics 261-262 - Calculus III and IV. Indeterminate forms, improper integrals, Taylor's formula; infinite sequences and series; vectors in the plane and in three-dimensional space; linear algebra; calculus of vector-valued functions; calculus of functions of several variables; partial derivatives, gradients line integrals, multiple integration, applications. Prerequisite: MATH 162. 2 terms — 6 semester hours. Normally offered each year.

Mathematics 281-282 — Discrete Mathematics I and II. An introduction to graph theory, combinatorics, and selected parts of modern algebra, with emphasis on applications in computer science. Topics chosen from sets, propositions, permutations and combinations, graphs, trees, recurrence relations, groups, Boolean algebra, and finite automata. Prerequisite: MATH 261, which may be taken concurrently. 2 terms — 6 semester hours. Normally offered each year.
Mathematics 341-342 — Probability and Mathematical Statistics I and II. Probability of finite sets; probability and statistics of continuous distributions; statistical inference and statistical models. Prerequisite: MATH 162. 2 terms — 6 semester hours. Normally offered in alternate years.

Mathematics 351 — Geometry. Topics chosen from such areas as foundations of geometry, non-Euclidean geometry, advanced Euclidean geometry, projective geometry, and convexity. Prerequisite: MATH 262. 1 term — 3 semester hours. Normally offered in alternate Fall semesters.


Mathematics 373 — Ordinary Differential Equations. A first course in differential equations. Topics generally include separable, homogenous, exact, and linear first order differential equations; integrating factors, higher order linear differential equations, variation of parameters, differential operators, the Laplace transform, inverse transforms, systems of differential equations, power series solutions, Fourier series, applications. Prerequisite: MATH 262. 1 term — 3 semester hours. Normally offered in alternate years.


Mathematics 393 — Special Topics in Mathematics. Content, prerequisites, and hours to be announced.

Mathematics 431 — Linear Algebra. Elementary theory of abstract vector spaces. Topics include: Linear independence, bases, dimension, linear maps and matrices, determinants, orthogonality, eigenvectors and eigenvalues. Prerequisite: MATH 262 or permission of instructor. 1 term — 3 semester hours. Normally offered in alternate Fall semesters.

Mathematics 432 — Abstract Algebra. An introduction to elementary group theory, including properties of groups, subgroups, first isomorphism theorem for groups, normal subgroups, finite group classification; elementary properties of rings, such as homomorphisms of rings, ideals, fields, Euclidean algorithm, rings of polynomials, factorization theory, integral domains, associates, primes and units in domains, and other topics in number theory. Prerequisite: MATH 431. 1 term — 3 semester hours. Normally offered in alternate Spring semesters.

Mathematics 461-462 — Analysis I and II. A large part of this course will be devoted to a detailed treatment of the basic concepts of analysis, such as continuity, convergence, differentiation, compact sets, connected sets, and the theory of integration. The course will usually include an extension of the treatment of infinite series and calculus of several variables that is given in Mathematics 261-262. Prerequisite: MATH 262. 2 terms — 6 semester hours. Normally offered every year.


Mathematics 564-566 — Advanced Studies in Mathematics. Members of the department will hold conference hours with students and will direct their readings and study of topics in mathematics which may be of interest to them. Prerequisite: Consent of instructor. 1 term — hours to be arranged.

Mathematics 593 — Seminar. Seminars in advanced topics will be offered from time to time by members of the department. Prerequisite: Consent of instructor. 1 term — hours to be announced.
Military Science Program
(Army ROTC)
No major available

Department of Military Science

Director: Robbins
Assistant Director: Taylor
Senior Instructor: Taylor

Army ROTC is an officer training program contractually agreed to by U.S. Army and Suffolk University as a means of providing students with the option of preparing themselves for leadership positions as Lieutenants in the National Guard, Army Reserve, or Active Army as well as increasing their qualification for the civilian job market. The instructional program for ROTC consists of two parts: the academic major in a recognized degree field, and courses in military science. Specific objectives of the department include: providing the student with an understanding of the nature and operations of the U.S. Army, developing the student's ability to think creatively and to speak and write effectively, encouraging the development of mental and moral standards essential to a professional officer. Laboratory periods allow students to put into practice the theories presented in academic instruction. The program focuses on developing in the student a basic understanding of the principles of leadership and management, and then provides ample opportunity to practice those skills in responsible positions within the cadet organization. The program provides for the pre-commissioning education of ROTC students and is designed to respond to the particular character and requirements of academic programs at Suffolk University.

Program Options. Military Science Programs are available in the following formats:

Four-Year Program. ROTC is a four-year program in which students take one Military Science Course each semester. The first two years comprise the Basic Course. Its purpose is to introduce freshman and sophomore students to such subjects as Organizational Structure of the Army, the Techniques and Principles of Leadership/Management, Military History, and Land Navigation.

After completing the Basic Courses, students who have demonstrated officer potential may enter the Advanced Course. Advanced Course students sign a contract with the Army. They must pass a qualifying physical examination and physical fitness test, and maintain a GPA of 2.00 or better. While enrolled in the Advanced Course, all students receive a monthly stipend of $100, up to a maximum of $2,000.

Students may enter the Four-Year Program at the beginning of either semester of the freshman year. Those who begin late must accelerate their course load. Under certain conditions first-semester sophomore students may also enter the basic course by taking both the freshman and sophomore-level courses in their sophomore year.

Freshman-Level Courses:
MLSCI 101 — Introduction to Military Studies I (Fall Semester)
MLSCI 102 — Introduction to Military Studies II (Spring Semester)

Sophomore-Level Courses:
MLSCI 201 — Organizational Behavior and Leadership (Fall Semester)
MLSCI 202 — American Military History (Spring Semester)

Junior-Level Courses:
MLSCI 301 — Small-Unit Tactics (Fall Semester)
MLSCI 302 — Pre-Advanced Camp Clinic (Spring Semester)
Junior/Senior Summer:
MLSCI 303 — Advanced Camp
(Fort Bragg, NC, 6 weeks)

Senior-Level Courses:
MLSCI 401 — Military Justice and International Law (Fall Semester)
MLSCI 402 — Transition Seminar
(Spring Semester)

All Levels:
MLSCI X101-X402 — Laboratory Period
(Every Semester)

Two Year Program. This program is designed for transfer students and those who have not had an opportunity to participate in the basic course. Students must have at least two academic years remaining. Entry under this program should be requested by mid-April prior to beginning the junior year. Students attend a six-week basic course at Fort Knox, Kentucky, during the summer between their sophomore and junior years. During this summer period the students receive one-half the basic pay of a lieutenant, prorated for the time of summer service, as well as travel expenses, food and lodging. Upon completion, they are authorized to enter the Army ROTC Advanced Course.

Veterans. Students with prior military service, those who have attended academies and those with Junior ROTC (high school level) experience may be awarded credit for portions or all of the Basic Course. These students may complete all ROTC requirements in as little as two years, without having to attend the Basic Camp.

Simultaneous Membership Program (SMP). SMP students join the Army Reserve or National Guard at the same time they enroll in Army ROTC. The program provides on-the-job experience for cadets as well as financial compensation from both ROTC and their reserve component unit.

Academic Credit. For successful completion of the four-year ROTC program, Suffolk University grants six semester hours of credit applicable toward graduation. Cadets who successfully complete a two-year program are granted three semester hours of credit. Grades earned in Military Science courses are included in the Student's GPA, but are not used in determination of Dean's List honors. In the calculation of graduation honors, the average for all ROTC courses is assigned to the six credit hours granted for successful completion of the four-year program.

Service Obligations. Basic Course students do not incur any military obligation. They may withdraw from the program at any time, subject to the same rules as withdrawal from any other course.

Advanced Course graduates receive a commission as a Second Lieutenant. Most serve as follows:

a. Reserve Forces Duty (RFD) — students may elect and be guaranteed this option, under which the officer serves on active duty for 3 to 6 months to complete specialty schooling. The officer then enters a civilian job and becomes a member of the Army Reserve or National Guard. The remainder of the 8-year obligation is spent in the Army Reserve or Army National Guard. It consists of one weekend of training with their unit each month, plus two weeks of active-duty training during the summer each year.

b. Active Duty for Three Years — Most students choose to go on active duty for 3 years followed by 3 years in a Reserve Component in a standby status. The current policy of the Department of Army is that graduates of the Army ROTC will be given this option if requested, if recommended by the Professor of Military Science and the ROTC Region Commander, and if Active Army vacancies exist.
c. **Active Duty for Four Years** — Students who have accepted an ROTC scholarship will serve on active duty for 4 years, or reserve forces duty for 8 years.

d. **Regular Army Commission** — Scholarship students and students designated Distinguished Military Students — based on academic standings, ROTC Advanced Camp Performance, and demonstrated leadership — may qualify for a Regular Army Commission denotes an indefinite period of active duty (subject to above minimums).

**Army ROTC Scholarships.** Army scholarships for attendance at Suffolk University are offered for three years and two years. Four-year scholarships are awarded on a world-wide competitive basis to U.S. citizens who will be entering college as freshmen. The three and two-year scholarships are awarded competitively to students who are already enrolled in college and who may or may not currently be enrolled in ROTC. All awards are based on a student's merit regardless of financial need.

The scholarships pay for tuition, lab fees, and a living allowance of up to $1,000 each year the scholarship is in effect. In addition these scholarships provide an allowance for books and supplies based on the academic major of the student.

The value of the scholarship depends on the tuition and other educational costs of the university or college attended. Benefits at Suffolk University total approximately $5,000 annually.

The following general requirements apply. An applicant must:

1. Be a U.S. citizen
2. Be 17 years of age by October 1 of the year in which the scholarship becomes effective.
3. Be able to complete all requirements for a college degree and be under 25 years of age on June 30 of the year in which commissioning will occur.
4. Be able to meet and maintain required medical standards.
5. Agree to serve four years active duty or 8 year reserve duty as a commissioned officer if the scholarship is accepted.

Applications should be submitted to the Military Science Department by the student in accordance with the following schedule:

- 3 year — April 1
- 2 year — February 16

**Financial Assistance.** Financial Assistance to Army ROTC cadets is provided in various forms. As explained above, scholarships are offered, and Advanced Course students receive a $100 monthly stipend. Other financial assistance includes:

1. Pay at ROTC camps:
   
   a. Basic Camp — Approximately $650 for the entire six-week period, plus room and board, plus travel expenses to and from camp.
   
   b. Advanced Camp — Approximately $650 for the entire six-week period, room and board plus travel expenses to and from camp.

2. Each ROTC graduate receives an allowance of $300 for the purchase of Army uniforms when he or she reports for active duty.

3. Cadets assisting in the enrollment effort are paid $3 per hour.

**Special Training** (available on a competitive basis)

1. **Northern Warfare Training.** This three week course is designed to familiarize selected small-unit leaders with summer operations in northern areas. Emphasis is placed on movement in mountainous terrain, on glaciers, and on inland water ways. The course is conducted at the Northern Warfare Training Center, Fort Greely, Alaska.
2. **Air Assault Training.** Air Assault Training, a ten-day course conducted by the Air Assault School, 101st Airborne Division (Air Assault), Fort Campbell, Kentucky, teaches the cadet how to perform assault operations from helicopters. Successful completion of this school qualifies the cadet to wear the Air Assault Badge.

3. **Airborne Training.** Basic Airborne training, a three-week course conducted by the Airborne Department, United States Army Infantry Center, Fort Benning, Georgia, teaches the cadet how to parachute from aircraft. Successful completion of the course qualifies the cadet to wear basic airborne badge.

4. **Cadet Troop Leader Training (CTLT).** CTLT gives selected advanced course cadets first-hand experience of what it is like to be a Commissioned Officer in the U.S. Army. CTLT provides them with leadership opportunities by assigning them to three weeks of duty with an active Army unit or two weeks of duty with a Reserve Forces unit during its period of annual training.

5. **Ranger Training.** Ranger training for cadets is an intense and physically demanding eleven-week leadership and patrolling course taught at and around Fort Benning, Georgia. The course includes air, mountain, desert, and tropical operations. Cadets who complete a minimum of six weeks receive credit for Advanced Camp completion. Those who graduate may wear the Ranger Tab.

6. **Cadet Flight Training and Orientation Program (CFTOP).** CFTOP is a one-month summer program held at Fort Rucker, Alabama, and provides cadets with 15 hours of helicopter flight instruction as well as an orientation on the current and probable future roles of Army aviators. Cadets successfully completing the program who are recommended for further training by their primary flight instructor may request additional flight training upon commissioning.

### Military Science Courses

#### Basic Course

**MLSCI 101 — Introduction to Military Studies I.**
(Freshman Level) The mission of the U.S. Army is studied, with emphasis on the customs, courtesies, and traditions of the Army, the Army pay and rank system, career opportunities, future education and individual service obligations. Offered each semester. 1.0 semester hour.

**MLSCI 102 — Introduction to Military Studies II.**
(Freshman Level) The course focuses on the use of map and compass as land navigation tools. Includes instruction on the theory and practice of map making. Through class discussion and practical exercise, the student learns the techniques of navigating from point to point using the map and compass as a guide. Spring semester. 1.0 semester hour.

**MLSCI 103 — Introduction to Military Studies I and II.** This course combines the requirements of MLSCI 101 and MLSCI 102. It is intended for Freshmen that were not able to take MLSCI 101 in the fall semester. Spring semester. 2 semester hours.

**MLSCI 201 — Organizational Behavior and Leadership.**
(Sophomore Level) An examination of the leader's role in the development of a cohesive, well-trained unit. Class discussion and case studies point out current theories in human behavior and motivation, and students practice counseling techniques in role-playing exercises. The course focuses on building the student's self-confidence and leadership skills. Fall semester. 1.5 semester hours.

**MLSCI 202 — American Military History.**
(Sophomore Level) The course covers the history of American warfare, from its inception to the present, stressing the organization and use of armies, concepts of strategy and tactics, and the development and use of weapons. Spring semester. 1.5 semester hours. (Students may take History 384 when offered.)
MLSCI X101-X102 — Laboratory Period. (All Levels)
A required extension of all Military Science courses which provides an opportunity to practice the necessary skills that are inappropriate for classroom work. This includes the basics of military drill, physical training, and team work. Offered each semester. 0 semester hours.

MLSCI 203 — Basic Leadership Training.
(Sophomore/Junior Summer) An intensive military training program that compresses the requirements of the freshman and sophomore level Military Science courses into one 6 week period. Given at Fort Knox, Kentucky, the course instills the basics of Military Leadership through a study of military history and traditions, map reading, land navigation, marksmanship, physical training, individual and unit tactics, first aid drill, and ceremony, and military courtesy and traditions. As a result of this training, students continuing to meet program requirements may enter the Advanced Course. 3 semester hours. 6 weeks.

Advanced Courses

MLSCI 301 — Small Unit Tactics. (Junior Level)
Study of current tactical doctrine to include planning and conduct of offensive, defensive and retrograde operations at the squad, platoon and company levels. Additional topics include "Know your enemy" and USAF and USN fire support. Prerequisite: Basic Course Credit. Offered Fall semester. 1.5 semester hours.

MLSCI 302 — Pre-Advanced Camp Clinic. (Junior Level)
Classroom, programmed and practical exercises designed to prepare cadets for maximum individual performance at advanced camp. Students are required to prepare and present instruction, organize training time and utilize training aids. The classroom work is supplemented by Field Training Exercises, and lab periods. Prerequisite: Basic Course Credit. Spring semester. 1.5 semester hours.

MLSCI 303 — Advanced Camp. (Junior/Senior Summer)
External leadership laboratory conducted at Fort Bragg, NC. Intensive six week schedule includes the practical application of leadership principles in multiple positions at varying levels of responsibility. Students face stressful, demanding situations forcing them to draw upon both physical and mental reserves. Meeting these challenges develop the poise and self-confidence necessary for leadership. Supplemental instruction includes physical conditioning, counseling, senior-subordinate relations, tactical doctrine, international laws of land warfare, and approaches to problem solving. Prerequisite: MLSCI 302. Summer semester. 6 weeks.

MLSCI 401 — Military Justice and International Law.
History of military law; the military justice system, including courts-martial and alternatives to courts-martial; international law governing land warfare, focusing on legal problems encountered by the junior officer. Prerequisite: Basic Course Credit. Fall semester. 1.5 semester hours.

MLSCI 402 — Transition Seminar. (Senior Level)
A seminar discussion covering the transition from college student to Army Officer. Focuses on the issues, problems and challenges likely to confront the newly commissioned Army Lieutenant, to include military customs, courtesies, management relations, family dislocation, and career planning; responsibilities of an officer on active duty; military professionalism and ethics. Prerequisite: Basic Course Credit. Spring semester. 1.5 semester hours.

MLSCI X301-X402 — Laboratory Period.
(All Levels) A required extension of all Military Science courses which provides the advanced course student the opportunity to plan, coordinate, implement and supervise the training of the basic course students in general military subjects. Students hold responsible positions within the cadet organization and are rated on their ability to function in the leadership role. Offered each semester. 0 semester hours.
Modern Languages

Department of Humanities and Modern Languages

Professors: Chiasson, Hastings, Mendez-Herrera, Weitz (Chairperson)
Associate Professors: Hourtienne, Parks
Assistant Professors: Webbe
Lecturers: Clark, Eykamp, Follett, Passanisi
Professors Emeriti: Boudreau, Fang, Fehr, Goodrich, Petherick

The Department of Humanities and Modern Languages offers courses in four foreign languages: French, German, Italian and Spanish. Major programs are available in French and Spanish, but not in German and Italian. In addition, career-oriented programs in International Economics, Bilingual Journalism, and Spanish-Sociology are offered in cooperation with other University departments.

The major in French and Spanish consists of the study of the foreign language, its literature and its civilization. The Major requires 30 credit hours beyond the Elementary level and must include French 311-312 or Spanish 207-208 and 303-304, as appropriate. History 101-102 (History of Western Civilization, I, II) are Complementary Major Requirements for both the French and Spanish Majors.

The Minor concentration in French or Spanish requires 18 credit hours of course work from entry level of competence.

Under joint sponsorship with the Department of Economics, the Department of Humanities and Modern Languages offers a Major program in International Economics that combines courses in French or Spanish language with international economics and area studies. See International Economics in this catalog.

In cooperation with the Department of Journalism, the Department of Humanities and Modern Languages offers a Major program in French or Spanish Bilingual Journalism for students who wish to start a career in the foreign language media. See the Journalism Department in this catalog.

Program CROSS, a career-oriented program offered in cooperation with the Department of Sociology, combines selected courses in Spanish and Sociology for the preparation of entry level requirements for a career in social work with Hispanic minorities.

The Department of Humanities and Modern Languages administers a Foreign Language Placement Examination at the beginning of each semester to determine the student's level of competence in the language concerned. As a general rule, the Department's Placement policy is as follows: students who arrive at Suffolk University with two years of high school foreign language with average grades of B- or better will begin their foreign language studies at the Intermediate level. Students who have successfully completed a third or fourth year course in high school will consult with a language advisor from the Department for appropriate placement.

Honors in Modern Language

Students who have achieved a 3.0 average in general and at least a 3.3 average in French or Spanish are eligible for honors if they are enrolled in a course beyond the Intermediate level.
French Courses

French 101-102 — Elementary French: Introduction to French Language and Culture. Practice in both oral and written language skills. Audio-visual and textual materials based on French cultural themes. Two language laboratory sessions per week. 2 terms — 6 semester hours. Offered yearly.

French 201-202 — Intermediate French: The Language and Civilization of France. Study of the French language using cultural materials as a primary vehicle for the development of language skills. Extensive audio-visual materials support the texts read in class. Prerequisite: French 101-102 or instructor's permission. 2 terms — 6 semester hours. Offered yearly.

French 209 — Contemporary French Civilization I. Reading and discussion in French of texts about French society, history, culture, education, politics and economy. Films illustrating aspects of French life relating to the above subjects. Review work in grammar. Prerequisite: French 201-202 or instructor's permission. 1 term — 3 semester hours. Offered in Fall term of alternate years.

French 210 — Contemporary French Civilization II. Continuation of language work composition and conversation supplemented by cultural films. Prerequisite: French 201-202 or instructor's permission. 1 term — 3 semester hours. Offered in Spring term of alternate years.

French 211 — The French-Speaking World I. A study of France and its institutions with concentration on the influence they have had in countries as diverse as Canada, Haiti and Senegal. Cultural films. Continuing work in Language. Prerequisite: French 201-202 or instructor's permission. 1 term — 3 semester hours. Offered in Fall term of alternate years.

French 212 — The French-Speaking World II. Continuation of language work, composition and conversation supplemented by films. Prerequisite: French 201-202 or instructor's permission. 1 term — 3 semester hours. Offered in Spring term of alternate years.

French 311 — Masterworks of French Literature I. Great works of French literature from the Middle Ages to the Age of Enlightenment. Authors such as Rabelais, Montaigne, Moliere and Voltaire are read and discussed in relation to the cultural history of their age. Offered in French, and in English with texts in translation. 1 term — 3 semester hours. Offered in Fall term.

French 312 — Masterworks of French Literature II. Great works of French literature from the beginning of the 19th century to the present. Authors such as Hugo, Balzac, Baudelaire, Proust, Sartre and Camus are read and discussed in relation to the cultural history of their age. Offered in French, and in English with texts in translation. 1 term — 3 semester hours. Offered in Spring term.

French 320 — French Classical Drama. A study of the themes, conventions and theories of the 17th century French theater, with readings in translation. Selected tragedies of Corneille and Racine, and comedies of Moliere. 1 term — 3 semester hours. Offered in alternate years.

French 324 — Twentieth Century French Theater. The development of the 20th century French theater will be traced through the modes of Surrealism, Dadaism, the Avant-garde and the Absurd, in the works of Sartre, Anouilh, Ionesco, and Beckett. Readings in translation. 1 term — 3 semester hours. Offered alternate years.

French 325 — French Women In Fact and In Fiction. A survey of the rich and varied contribution of French women to their country and their culture. While there will be several reading selections from the earlier period, the focus will be on the 19th and 20th century. Madame de La Fayette, George Sand, Colette, Simone de Beauvoir and Marguerite Duras are among the key historical and literary figures who will be studied. 1 term — 3 semester hours. Offered alternate years. Conducted in English.

French 401-402 — Seminar in French Translation. Texts chosen from French literature as well as from the fields of politics, criticism, economics, sociology and journalistic writing. Prerequisite: French 209, 210, 211, 212; or French 311-312 or equivalent. 2 terms — 6 semester hours. Offered yearly.

French 501-502 — Independent Study. Students meet with a department member to pursue advanced studies in areas of particular interest to them. Instructor's permission.
German Courses
No Major Available

German 101-102 — Elementary German: Introduction to German Language and Culture. Practice in both oral and written language skills using German culture as background for language study. Emphasis on active use of German to master structure, pronunciation and vocabulary. Two language laboratory sessions per week. 2 terms — 6 semester hours. Offered every year.

German 201-202 — Intermediate German: Language Culture and Literature. Review of grammar, practice in spoken German, cultural and literary readings composition and translation. Language laboratory sessions as assigned. Prerequisite: German 101-102 or instructor’s permission. 2 terms — 6 semester hours. Offered every year.

German 501-502 — Independent Study. Students meet with a department member to pursue advanced studies in areas of particular interest to them. Instructor’s permission. 2 terms — 6 semester hours. Offered every year.
Italian Courses
No Major Available

Italian 101-102 — Elementary Italian: Introduction to Italian Language and Culture. Practice in both oral and written language skills. Audio-visual and textual materials based on Italian cultural themes. Two language laboratory sessions per week. 2 terms — 6 semester hours. Offered yearly.
Spanish Courses

**Spanish 101-102 — Elementary Spanish.** Intensive study and practice of oral and written language skills. Readings and discussions of cultural materials in Spanish. Extensive use of audio-visual materials. Two laboratory sessions per week. 2 terms — 6 semester hours. Offered every year.

**Spanish 201-202 — Intermediate Spanish.** Study of Spanish through texts and other materials of cultural interest. Development of oral language skills through practice in class and language laboratory. Extensive use of audio-visual materials. 2 terms — 6 semester hours. Offered every year.

**Spanish 207-208 — Hispanic Culture.** A survey of Hispanic civilization emphasizing the contributions of Spanish-speaking peoples to the Western tradition in art, thought, religion and letters. Abundant use of audio-visual materials. Recommended for pre-professional needs. Texts in Spanish. Prerequisite: Intermediate Spanish or instructor's permission. 2 terms — 6 semester hours. Offered every year.

**Spanish 303-304 — Advanced Conversation.** Vocabulary building, normalization of pronunciation, development of conversational skills through a program and group discussions on subjects of interest to students enrolled. Emphasis on the Spanish of Latin America. Prerequisite: Intermediate Spanish or instructor's permission. 2 terms — 6 semester hours. Offered yearly.

**Spanish 305 — Cultures of the Caribbean.** An area studies course that brings together the geography, social history, art and literature of the nations of Central America and the Caribbean. Extensive use of audio-visual materials. Discussion-type classes, conducted in English. Texts in translation. Recommended for educators, administrators and social workers. No prerequisite. 1 term — 3 semester hours. Normally offered alternate years.


**Spanish 401 — Lazarillo, Don Quijote and Don Juan.** Three views of the world from Spain's Golden Age, assembled out of the deeds and words of three remarkable literary characters, with some consideration of the fortunes of these creations in later times and other lands. Conducted in English. Texts in translation. No prerequisite. 1 term — 3 semester hours. Normally offered every third year.

**Spanish 402 — Social Literature of Latin America.** Reading and discussion of significant literary works (in prose and poetry) related to social themes or problems of Mexico, the Caribbean nations, and South America. Sociological and political essays on the same subjects. Conducted in English. Texts in translation. No prerequisite. 1 term — 3 semester hours. Normally offered every third year.

**Spanish 403 — Masterpieces of the Spanish Theater.** Readings from the great dramas of Hispanism, including works of Lope de Vega, Calderon, Zorrilla, Lorca, Sastre and Casona. Conducted in English. Texts in translation. No prerequisite. 1 term — 3 semester hours. Normally offered every third year.

**Spanish 404 — Modern Hispanic Literature.** A survey of literary works of the twentieth century; prose, fiction, drama, and poetry of Spain and several Latin American countries. Readings selected to illustrate the main intellectual currents that have emerged in the Hispanic world in the twentieth century. Conducted in English. Texts in translation. No prerequisite. 1 term — 3 semester hours. Normally offered every third year.
Philosophy

Department of Philosophy

Professors: Outwater, Pearl, Robbins (Chairperson), Zuckerstatter
Lecturers: Baeten, Lidz, Meyer, Reiche, Silberman

A major in Philosophy provides students with new ways of seeing the world and its possibilities. The Philosophy program at Suffolk teaches analytical and writing skills that provide a solid foundation for law school, graduate training, or professional school. Philosophy students complete their undergraduate training readied, as well, to pursue careers in community and public service, in theology and the priesthood, in college and secondary teaching, in health services and medical ethics, in business and business management, in writing of many sorts, and in evaluative journalism and communications.

Requirements for a major in philosophy are satisfied by successfully completing 30 semester hours of course work in philosophy.

All majors in philosophy are required to take the following core courses: Logic, Ethics, History of Philosophy, Introduction to Philosophy, Philosophy of Religion (or Oriental Philosophy). A detailed program suited to the needs of the individual student will be developed for each philosophy major. Each major will be guided into appropriate seminars, Philosophy 514 - Advanced Topics in Philosophy, and Philosophy 515 - Directed Studies in Philosophy.

Eighteen semester hours (six courses) in Philosophy are required of students who elect a minor in Philosophy. These must include Philosophy 119 (Ethics) and either 117 or 118 (History of Philosophy I, II), plus any four other Philosophy courses.

Phi Sigma Tau, the National Honor Society for Philosophy, established its Massachusetts Beta Chapter at Suffolk in 1965. Active membership is open to students who have reached junior standing, and who have completed at least four courses in Philosophy with an average of 3.3, plus a cumulative average of 3.0. Membership (including receipt of the Phi Sigma Tau Journal of Philosophy) can be maintained after graduation for a small fee.

Philosophy Courses

Philosophy 113 — Informal Logic. An informal introduction to correct reasoning, this course deals with the general nature of argument; aspects of language which have special bearing on logical thought; definition; types of disagreement and methods for resolving them; fallacies; and the elements of inductive reasoning. 1 term — 3 semester hours. Offered every year.

Philosophy 114 — Formal Logic. An introduction to the formal (or semi-formal) study of the basic types of deductive argument (propositional and syllogistic logic). 1 term — 3 semester hours. Offered every year.

Philosophy 115 — Introduction to Philosophy. A general introduction to the nature of philosophical analysis. Lectures, readings, and discussions will focus on representative issues and thinkers from the main areas of Philosophy (such as epistemology, metaphysics, ethics, and the philosophy of religion). 1 term — 3 semester hours. Offered every semester.

Philosophy 117 — History of Ancient and Medieval Philosophy. The study of philosophical thought from the period of the ancient Greek philosophers through the Medieval thinkers, including such philosophers as Socrates, Plato, Aristotle, Epicurus, Zeno, Parmenides, Pythagoras, Protagoras, Augustine, Aquinas, Anselm, and Abelard. An excellent introductory course, Philosophy 117 is designed to equip the student with a well-grounded understanding and appreciation of philosophy. 1 term — 3 semester hours. Offered every year.

Philosophy 118 — History of Modern Philosophy. A study of the major modern philosophical thinkers. Some of the following philosophers are treated: Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Hegel, Schopenhauer. No prerequisite. 1 term — 3 semester hours. Offered every year.
Philosophy 119 — Ethics. A systematic introduction to the major thinkers and positions on the main issues of ethics, i.e. What is morality? What are moral values? How do moral judgements differ from other types of statements? Are there objective, universal, absolute moral standards? If so, what are they, and what is their basis? 1 term — 3 semester hours. Offered every year.

Philosophy 123 — Social Ethics. An examination of contemporary Western society, particularly American democracy and culture, from the standpoint of various philosophical ideas of the "good life." Current books which exhibit a philosophical approach toward important, contemporary, social issues will be discussed. 1 term — 3 semester hours. Offered alternate years.

Philosophy 124 — Oriental Philosophy. The exposition and critical evaluation of Hinduism, Buddhism, Confucianism, Taoism, and Islam. Special attention is given to foundation principles as well as to the similarities and differences of each of these philosophies to basic ideas in Western philosophy. 1 term — 3 semester hours. Offered every year.

Philosophy 125 — Business Ethics. An examination of some ethical problems confronting businesses and the individuals who work in them. Topics to be discussed include such issues as: truth in advertising, health and safety risks, "whistle blowing," societal obligations of business, and hostile takeovers. Readings will be drawn from diverse contemporary sources — philosophical, legal, corporate, etc. 1 term — 3 semester hours. Offered alternate years.

Philosophy 127 — Contemporary Moral Issues. Systematic examination of some basic moral problems that arise in various spheres of contemporary human existence. Specific topics will be chosen from the following: Abortion, euthanasia, suicide, capital punishment, war, civil disobedience, reverse discrimination, pornography, lying, surrogate motherhood, genetic engineering, environmental protection, nuclear weapons, animal rights, etc. Topics will be introduced through background lectures, followed by extended class discussion. 1 term — 3 semester hours. Offered every year.

Philosophy 128 — Philosophy of Democracy. An examination primarily of two fundamental questions of modern democratic political thought: the relation of the individual to the state and the just distribution of wealth in society. Conservative, liberal, and radical positions are examined. Readings from classical sources (Hobbes, Locke, Rousseau, Burke, Marx, Mill) as well as from contemporary ones (Rawls, Nozick). 1 term — 3 semester hours. Offered alternate years.

Philosophy 130 — Women in Philosophy. An inquiry into the significance assigned to gender, and of the capacities, powers, and roles attributed to women, by many of the most influential philosophers — female and male, from ancient Greece to the late twentieth century — in the Western philosophic tradition. 1 term — 3 semester hours. Offered alternate years.

Philosophy 214 — Social and Political Philosophy. An exposition and critical evaluation of the major Western social and political philosophies. Readings from such thinkers as Plato, Aristotle, Machiavelli, Hobbes, Rousseau, Locke, Mill, Jefferson, Marx, and Rawls. 1 term — 3 semester hours. Offered alternate years.

Philosophy 215 — Philosophy of Religion. Considers such subjects as religious values, conceptions of God, arguments for God, ways of knowing God, the problem of good and evil, human purpose, and the immortality of the soul. 1 term — 3 semester hours. Offered alternate years.

Philosophy 216 — 19th-Century Philosophy. A study of some central figures of 19th-century philosophy, such as Hegel, Schopenhauer, Comte, Bradley, Spencer, Mill, Nietzsche, Kierkegaard, and Marx. Prerequisite: Philosophy 118 or consent of instructor. 1 term — 3 semester hours. Offered alternate years.

Philosophy 217 — Philosophy of Life. Aims at the development of each student's personal philosophy of life, based on an examination of various relevant philosophical and psychological theories. Readings, lectures, and discussions will focus on the famous Greek ideas of "the good life" (Epicureanism, Stoicism, Aristotelian self-realization) and on the relevant writings of some modern psychologists (such as Fromm, Jung, Maslow, Rogers, and Frankl). 1 term — 3 semester hours. Offered alternate years.

Philosophy 219 — Aesthetics. A systematic introduction to the major thinkers and positions on the principal issues of aesthetics (including the philosophy of art): What is beauty? What is art? What is the nature of aesthetic value and of aesthetic judgments? Is beauty in the eye of the beholder? How can we distinguish between good and bad art? Are there objective standards of beauty? If so, what is their basis? What is the function and purpose of art? Readings from both classical and contemporary sources. 1 term — 3 semester hours. Offered alternate years.
Philosophy 313 — Philosophy of Mind. Deals with a cluster of issues related to the concept of consciousness, i.e., the relationship of consciousness to the physical world; the consciousness of machines; personal identity; personal survival; free will vs. determinism, etc. Important historical as well as contemporary analytic views will be discussed. Prerequisite: Philosophy 115, 117, or 118. 1 term — 3 semester hours. Offered alternate years.

Philosophy 314 — 20th-Century Philosophy. Examines one or more of the following major philosophical movements of this century: Pragmatism, Phenomenology, Existentialism, Logical Positivism, Analytic (Linguistic) Philosophy, and Critical Theory (Post-Analytic Philosophy). Prerequisite is one of the following: Philosophy 115, 117, 118, 216, or consent of instructor. 1 term — 3 semester hours. Offered alternate years.

Philosophy 414 — Profiles in Philosophy. A detailed exposition and evaluation of the views of one major philosophical thinker or of one major group of philosophical thinkers. Readings from both primary and secondary sources. Prerequisite: One course in Philosophy (other than Philosophy 113), or consent of instructor. 1 term — 3 semester hours. Offered every year.

Philosophy 514 — Advanced Topics in Philosophy. Students with sufficient background in philosophy and a special interest in areas of philosophy which cannot be covered in regularly offered courses will be guided by senior members of the Department. Prerequisite: Some background in philosophy and the consent of the instructor. 1 term — 3 semester hours. Offered every year.

Philosophy 515 — Directed Studies in Philosophy. A member of the Department of Philosophy will hold conference hours with advanced students who have a special interest and will direct their reading in areas of philosophical research which may be of interest to them. Instructor’s permission required. 1 term — 3 semester hours. Offered every year.
Department of Physical Education

Assistant Professor: Nelson (Director and Chairperson).

Athletics (Varsity) - S.U. sponsors intercollegiate teams in Baseball, Basketball, Cross-Country, Golf, Ice Hockey and Tennis, and Soccer for men, and Basketball, Cross-Country, Softball and Tennis for women. The University is a member of the National Collegiate Athletic Association, the Eastern Collegiate Athletic Conference, the New England Collegiate Athletic Conference and the Massachusetts Association of Intercollegiate Athletics for Women.

Athletics (Intramurals) - Intramural sports are offered for both men and women at Suffolk University. Included in the program are Basketball, Flag Football, Softball and Tennis.

Health club memberships are available through the Athletic Office.

Physical Education Courses


Physical Education L157 S.C.U.B.A. — Underwater Collecting Techniques. The theory and application of underwater life support systems used in conjunction with collecting biological data in marine and freshwater environments. Lectures and field experience. Prerequisite: Physician’s approval. 1 term — 1 semester hour. Offered evenings.
Department of Physics

Professors: Johnson (Chairperson), Marshall
Associate Professors: Feldman, Garneau
Assistant Professors: Demir, Haque
Lecturers: Chatterjee, Gu, Humphrey, Mohie-Eldin, Steinberg, Terranova, Zatet

The Physics and Engineering Department offers several programs leading to a B.S. or B.A. degree:
- Physics
- Physics/Computer Science
- Physics/Education
- Computer Engineering
- Electronic Engineering
- Airway Electronic Systems

Also there are majors in all fields of engineering available through the “3/2” combined engineering programs between Suffolk University and either Boston University or Case Institute of Technology. A choice of a particular program does not have to be made until the sophomore year, but each student should discuss his/her plans with the Chairman of the Physics Department as soon as possible.

Capable students are encouraged to participate in one of several undergraduate research projects during their Junior and Senior Years. Students may choose solar energy research involving microprocessor controlled sun-tracking solar panels located at the Boston campus and the university’s research station near Cobscook Bay in Maine, or projects in neural networks and Artificial Intelligence using Tektronix A1 workstations, or fiber optic, Ethernet-based, local area network communications. There are also research projects involving CAMAC data acquisition systems, gamma radiation studies using the university’s large Gammacell 220 Cobalt 60 source, and image and speech processing for robots.

Majors are encouraged to participate in the students’ club, the Society of Physics Students, which has been successful in obtaining research grants to support student research. Physics Majors take part in field trips to the university’s research station in Maine and also attend the spring meeting of the New England American Physical Society where students may present papers based on their research work.

Particular courses must be selected in order to fulfill (1) general requirements for all undergraduates in the College of Liberal Arts and Sciences, (2) core requirements of the major, (3) complementary requirements selected by the Physics Department, and (4) free electives.

A transfer student must see the Chairperson of the Department to determine which courses may be accepted for credit toward requirements of the Physics major. A minimum of 16 hours of the core requirements must be taken at Suffolk University.

Requirements for a Major in Physics

Core Requirements:

Physics:
- Physics 151, 152, L151, L152 (University Physics and laboratory)
- Physics or Engineering electronics elective
- Physics 361, 362 (Classical Mechanics)
- Physics 471, 472 (Electricity and Magnetism)
- Physics 451, 452 (Modern Physics)
- Physics 455 (Advanced Laboratory)
Complementary Requirements for a Major in Physics:

* Chemistry 111, 112, L111, L112 (General Chemistry I, II and lab)
* Computer Science 131, 132 (Computer Science I, II)
  Computer Science 232 or 225 (Programming in the C language or Fortran)
  Computer Science electives (6 hours) or Physics 351, 352 (Introduction to Microprocessors and Microprocessor Interfacing)
* Mathematics 161, 162, 261, 262 (Calculus I, II, III, IV)
* Mathematics 373 (Ordinary Differential Equations)

Minor in Physics

Students may elect a minor program in Physics by completing a total of 18 hours in the Department. The suggested course sequence is as follows:

Physics 151, 152, L151, L152 (University Physics and laboratories) (8 hours)
Physics 303 or Engineering 205 (Digital Electronics of Applied Circuit Theory) (4 hours)
Physics 361 (Classical Mechanics) (3 hours)
Physics 451 (Modern Physics) (3 hours)

Most of these courses have substantial mathematics prerequisites (Calculus I, II, III, IV and Differential Equations), so that it would not be possible for a non-science major to minor in Physics.

Bachelor of Science in Physics*

(Suggested Course Sequence)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sem. Hrs</th>
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<tbody>
<tr>
<td>University Physics and Lab</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science I, II</td>
<td>6</td>
</tr>
<tr>
<td>Freshman English I, II</td>
<td>6</td>
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<tr>
<td>Calculus I, II</td>
<td>6</td>
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<tr>
<td>Freshman Integrated Studies</td>
<td>6</td>
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<tr>
<th>Sophomore</th>
<th>Sem. Hrs.</th>
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<tr>
<td>Electronics Elective</td>
<td>4</td>
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<tr>
<td>Free Elective</td>
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<tr>
<td>Social Science Requirement I, II</td>
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<tr>
<td>Calculus III, IV</td>
<td>6</td>
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<tr>
<td>Computer Science Electives</td>
<td>4</td>
</tr>
<tr>
<td>General Chemistry I, II and Lab</td>
<td>8</td>
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<tr>
<th>Junior</th>
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<tbody>
<tr>
<td>Classical Mechanics I, II</td>
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<tr>
<td>English Sequence</td>
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<tr>
<td>Ordinary Differential Equations</td>
<td>3</td>
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<tr>
<td>Logic, Speech</td>
<td>6</td>
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<tr>
<td>Computer Science Elective</td>
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<tr>
<td>Humanities Requirement</td>
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<th>Senior</th>
<th>Sem. Hrs.</th>
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<tr>
<td>Electricity and Magnetism I, II</td>
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<tr>
<td>Social Science Requirement III</td>
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<td>Modern Physics I, II</td>
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<tr>
<td>Humanities Requirement</td>
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<tr>
<td>Advanced Lab</td>
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<tr>
<td>Free Electives</td>
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*Students intending to pursue graduate level work in Physics are strongly advised to take Quantum Mechanics I, II and consult the Department Chairperson when considering appropriate electives.
Computer Science and Physics Program

A student with strong interests in both Computer Science and Physics may elect the following suggested course sequence. The resulting major is called Physics/Computer Science and is designed to provide sufficient competence in the areas of Physics and Computer Science to allow a student to enter either field following graduation.

The Computer Science electives should be chosen following consultation and approval by the student’s Faculty Advisor.

Core Requirements:

Physics:
The core requirements are the same as for the major in Physics plus the additional requirements: Physics 351, 352 (Introduction to Microprocessors and Microprocessor Interfacing)

Complementary Requirements for a Major in Physics/Computer Science

In addition to the complementary requirements marked with * under Physics, there are the following:

- Computer Science 265 (Data Structure)
- Computer Science electives (6 hours)
- Computer Science 232 (C Programming)
- Computer Science language elective

Bachelor of Science in Physics/Computer Science

(Suggested Course Sequence)

<table>
<thead>
<tr>
<th>Freshman</th>
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<tbody>
<tr>
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<tr>
<td>Freshman Integrated Studies</td>
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<tr>
<td><strong>Total</strong></td>
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<tr>
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<tr>
<td>Introduction to Microprocessors</td>
<td>4</td>
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<tr>
<td>Microprocessor Interfacing</td>
<td>4</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Calculus III, IV</td>
<td>6</td>
</tr>
<tr>
<td>General Chemistry I, II and Lab</td>
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<tr>
<td><strong>Total</strong></td>
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<td>Ordinary Differential Equations</td>
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<tr>
<td>Logic, Speech</td>
<td>6</td>
</tr>
<tr>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
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<td>Modern Physics I, II</td>
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<td>Humanities Requirement</td>
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<tr>
<td>Advanced Lab</td>
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<td>Computer Science Elective</td>
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<tr>
<td>C Programming</td>
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<tr>
<td>Computer Science Language elective</td>
<td>1</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
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</tbody>
</table>
Transfer Students The requirement of Freshman Integrated Studies in all programs is replaced by an additional Social Science Requirement (3 hours) and an additional Humanities Requirement (3 hours).

B.A. in Physics or Physics/Computer Science The B.A. degree in Physics may be obtained by replacing Humanities Requirement I, II with a two-semester Foreign Language sequence and by replacing the Social Science Requirement III with a History Requirement (3 hours).

Grade Point Requirements
To graduate from Suffolk University with a Bachelor's degree in Physics or Physics/Computer Science a student must have a minimum cumulative grade point average of 2.25 in all Physics and related science core requirements.

Engineering Programs
A student may major in Computer Engineering or Electronic Engineering. The core course requirements, suggested course sequences, and course descriptions are shown in the section of the bulletin entitled Engineering.

Five Year Programs in Engineering
A student may select from the large number of engineering majors offered at Boston University and Case Institute of Technology by taking the first three years of course work at Suffolk University as a Physics major and the last two years at one of these cooperating schools. This combination five-year program between the College of Liberal Arts and Sciences at Suffolk University and the College of Engineering at the participating university enables the student to acquire degrees from both colleges. Upon graduation the student receives a Bachelor of Science from Suffolk University and a Bachelor of Science from the cooperating institution in either Computer Engineering or Electronic Engineering.

The course requirements in the first three years at Suffolk University are the same as shown for the degree in Physics except that an additional elective must be taken in the Sophomore Year. The student must plan his or her program with the approval of the Department Chairperson so that degree requirements at both universities are satisfied at the end of the five year period. A 3.0 grade point average must be maintained in all Physics and related science core requirements at Suffolk University to participate in this program.

Physics/Education Program
A student with interests in both Education and Physics can major in Physics/Education. An individual completing this program in Physics-Education will qualify for certification as a secondary teacher of Physics in the Commonwealth of Massachusetts.

The requirements for a degree program in Physics/Education leading to certification as a teacher of Physics include 29 semester hours of physics and additional courses in computer science, mathematics and education as follows:

Physics: (29 semester hours)
- Physics 151-152, L151-L152 (University Physics and Laboratory)
- Physics 303 or Engineering 206 (Digital Electronics or Electronic Devices)
- Physics 361-362 (Classical Mechanics)
- Physics 451-452 (Modern Physics)
- Physics 455 (Advanced Laboratory) — Optional
- Physics 471-472 (Electricity and Magnetism)
Complementary Requirements

Mathematics: (15 semester hours)
- Mathematics 161-162 (Calculus I and II)
- Mathematics 261-262 (Calculus III and IV)
- Mathematics 373 (Ordinary Differential Equations)

Chemistry: (8 semester hours)
- Chemistry 111-112, L111-L112 (General Chemistry I-II and Laboratory)

Computer Science: (10 semester hours)
- Computer Science 131-132 (Computer Science I and II)

One of the following two:
- Computer Science 353 (Computer Architecture)
- Physics 351 (Microprocessors)

One of the following two:
- Computer Science 203 (Fortran Programming)
- Computer Science 232 (C Programming)

Education: (30 semester hours)
- Education 203* (Foundations of Education)
- Education 204 (Educational Psychology)
- Education 443*-444 (Curriculum and Methods of Science and Mathematics Education)
- English 101 (Freshman English Composition)
- Communications and Speech 103 (Rhetoric and Communication)
- Education 446* (Reading Skills for Secondary Science and Mathematics Teaching)
- Education 500 (Student Teaching)

*Courses preceded by asterisks are labelled pre-practicum, contain substantial amounts of field experiences, and must be taken prior to Education 500 (Student Teaching). Students interested in this program are urged to see the assigned advisor in the specific academic area as well as the Education coordinator listed below.

Physics: R.W. Garneau
Education: S. Shatkin

Suggested Course Sequence
For Physics/Education

**Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman English</td>
<td>6</td>
</tr>
<tr>
<td>Freshman Integrated Studies</td>
<td>6</td>
</tr>
<tr>
<td>Calculus I-II</td>
<td>6</td>
</tr>
<tr>
<td>University Physics and Lab</td>
<td>8</td>
</tr>
<tr>
<td>Computer Science I-II</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

**Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronics Elective</td>
<td>3</td>
</tr>
<tr>
<td>Calculus III-IV</td>
<td>6</td>
</tr>
<tr>
<td>Computer Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry I-II and Lab</td>
<td>8</td>
</tr>
<tr>
<td>Speech</td>
<td>3</td>
</tr>
<tr>
<td>Logic</td>
<td>3</td>
</tr>
<tr>
<td>English Option</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>32</strong></td>
</tr>
</tbody>
</table>

**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classical Mechanics I-II</td>
<td>6</td>
</tr>
<tr>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>Education *443-444 (Curriculum/Methods)</td>
<td>6</td>
</tr>
<tr>
<td>Social Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Education 446</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Requirement (Education 203)</td>
<td>3</td>
</tr>
<tr>
<td>C Programming</td>
<td>1</td>
</tr>
<tr>
<td>Humanities Requirement or Language (B.A.)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

**Senior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity and Magnetism</td>
<td>6</td>
</tr>
<tr>
<td>Modern Physics I-II</td>
<td>6</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Education 204 (Social Science Requirement)</td>
<td>3</td>
</tr>
<tr>
<td>Education Practicum</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>27</strong></td>
</tr>
</tbody>
</table>

**Grand Total**

|                                                  | 122       |
Sigma Pi Sigma  The Suffolk University Chapter of the National Society of Physics Students and criteria for Sigma Pi Sigma, were established in 1979. Election to Sigma Pi Sigma membership is conducted by the active Sigma Pi Sigma members. To be eligible, a student does not have to be a physics major but must rank in the upper 20% of his/her class, have a minimum cumulative grade point average of 3.0 and a physics grade point average of 3.3.

Physics Courses

Physics 103 — Physics Shop. Laboratory experience in proper selection, use and care of tools for working with wooden and metal materials. Experience with circular saw, drill press, lathe, pop riveters, etc. Projects required illustrating fusing, cabling, and indicator preparation for electronic cabinets. 1 term — 1 semester hour. Normally offered in alternate years.


Physics L111-L112 — College Physics Laboratory. Fundamental laboratory experimental measurements illustrating the basic concepts of mechanics, heat, sound, electricity, magnetism and light and use of the computer. 2 terms — 2 semester hours. Normally offered yearly.

Physics 151-152 — University Physics. The topics of Physics 111-112 will be treated, with calculus. This course is a prerequisite for all advanced physics courses. Physics 111-112 and Physics 151-152 cannot both be used to satisfy degree requirements. Prerequisite: Math. 161-162 which may be taken concurrently. 2 terms — 6 semester hours. Normally offered yearly.

Physics L151-L152 — University Physics Laboratory. Fundamental laboratory experimental measurements illustrating the basic concepts of mechanics, heat, sound, electricity, magnetism, and light and use of the computer and calculus. 2 terms — 2 semester hours. Normally offered yearly.

Physics 201 — Special Topics in Physics. Subjects of current interest are treated at a mathematical level to be specified by the instructor. Enrollment with consent of instructor. 1 term — 2 semester hours. Normally offered alternate years.

Physics 211-212 — Wave Motion, Sound and Optics. Modes of oscillations in systems, traveling waves in homogeneous media, standing waves, superposition of harmonic waves. Emission and absorption of waves, polarization, interference and diffraction phenomena. Prerequisite: Math 262. 2 terms — 6 semester hours. Normally offered alternate years.

Physics 221 — Heat and Thermodynamics. Temperature, thermodynamic systems, work and the laws of thermodynamics, reversibility, irreversibility, entropy, thermodynamic state functions, and applications to special systems. Prerequisite: Math. 262. 1 term — 3 semester hours. Normally offered alternate years.


Physics 303 — Digital Electronics. An introduction to the design of digital logic circuits. Analog to digital conversion, Boolean algebra, Karnaugh maps, combinational circuits, adders, flip-flops, decoders, counters, timers and registers. Laboratory experience included. Prerequisite: Physics 152. 1 term — 4 semester hours. Normally offered in alternate years.


Physics 351 — Introduction to Microprocessors.
Hardware oriented course with experience in digital electronics included. Number systems and codes, logic gates, address decoding, bus structures, construction of single board microcomputer. Machine language programming. Stack operations, interrupt servicing, memory mapped I/O. Prerequisites: Physics 152. 1 term — 4 semester hours. Offered yearly.

Physics 352 — Microprocessor Interfacing.
Procedures for interfacing different types of microprocessors to peripherals. Experience provided on NSM8073, M6800, M68000, INTEL 8052, 8088. Fan-out, peripheral interface adapters, asynchronous communication interface adapters, serial and parallel I/O, ADC AND DAC control. Interfacing to standard and non-standard devices via polling and interrupt handshakes. Prerequisite: Physics 351. 1 term — 4 semester hours. Offered yearly.

An introduction to the elements of classical mechanics. Newtonian mechanics, motion and force, frames of reference, momentum and energy, conservation relations, linear oscillations, central forces, orbits, angular momentum, rotating bodies, Hamilton's principles and Lagranges equations. Prerequisite: Math. 373 which may be taken concurrently. 2 terms — 6 semester hours. Normally offered alternate years.

Physics 451-452 — Modern Physics I, II.
Atoms and elementary particles, atomic, molecular and nuclear systems. Quantum states and probability amplitude, wave mechanics, and thermal proper ties of matter. Atomic spectra and structure, and molecular systems. Nuclear reactions, alpha and beta decay, and high energy physics. Prerequisite: Physics 361, 362. 2 terms — 6 semester hours. Given alternate years.

Physics 455 — Advanced Laboratory. Classical and modern experiments in physics; Millikan Oil Drop, Frank Hertz experiment, Zeeman effect, Mossbauer experiment, nuclear spectroscopy, nuclear magnetic resonance, electron spin resonance, laser diffraction and CAMAC data acquisition experiments. Prerequisites: Physics 111, 112, 451, 452 or equivalent. 1 term — 2 semester hours. Normally offered alternate years.

Physics 461-462 — Quantum Mechanics I, II.
Non-relativistic study of particle systems, wave mechanical treatment, development of the concepts of observables, state vectors, operators and matrix representations. Hilbert space, angular momenta, coupling, symmetries, scattering, and perturbation theory. Harmonic oscillator and Hydrogen atom. Prerequisite: Physics 361, 362. 2 terms — 6 semester hours. Normally offered alternate years.

Physics 471-472 — Electricity and Magnetism I, II.
Electrostatic field energy, methods for solution of boundary value problems. The magnetostatic field and magnetic circuits. Electromagnetic field energy; plane waves, wave guides and cavity resonators. Interaction of charged particles with electromagnetic fields. Prerequisite: Phys. 361, 362. 2 terms — 6 semester hours. Given alternate years.

Directed reading, lectures, seminar and research in selected areas of special interest. Prerequisite: Instructors permission. 1 term — 3 semester hours. Offered yearly.
Psychological Services

No Major Available

Professors: Garni (Chairperson), Korn, MacVicar

Psychological Services Courses

Psychological Services 503 — Interpersonal Relations. An opportunity to develop better communication skills and increase self-awareness through readings and discussions of the ways members experience themselves and others in social interaction within and outside of the group. Instructor’s consent. Course taught on Pass-Fail basis. Normally offered every year. 3 semester hours.

Psychological Services 506 — Leadership Skills. An opportunity to learn and to practice group leadership skills and to become more effective in group settings: communication skills, motivation, problem-solving, conflict resolution. Format includes lecture, discussion, role-playing, and video-feedback. Instructor’s consent. Course taught on Pass-Fail basis. Normally offered every year. 3 semester hours.

Psychological Services 513 — Independent Study. Academically qualified students in collaboration with a department member may design a library and field research project in psychological services. Submission of a written project proposal is required prior to enrolling. Normally offered every term. 3 semester hours.
Psychology

Department of Psychology

Professors: Katz, Raben, Webb (Chairperson), Wetherbee
Assistant Professor: Bursik

A major in psychology may be taken under either the B.A. or B.S. degree.

The 11 psychology courses required for the major are of three types: (1) core requirements (five courses); (2) concentration requirements (four courses); and (3) psychology electives (two courses).

Three subject area concentrations are offered to provide students with the opportunity to follow their own particular interests within the field of psychology: Mental Health, Industrial/Organizational, and Human Development. Students must complete four of five prescribed courses in whichever concentration they elect (see specific requirements below).

A number of minor programs are relevant to the study of psychology. Students majoring in psychology should select a minor (six prescribed courses) according to their interests in consultation with their faculty advisor.

The Department sponsors a Psychology Club and a chapter of Psi Chi, the national honor society in psychology, as well as several awards to outstanding majors. More specific information is available in the Department office.

General Psychology is a prerequisite for most Psychology courses (see individual course descriptions for this information). Laboratories and Workshops designated “X” carry no lab fee; those designated “L” do.

Honors Program in Psychology

Junior psychology majors who demonstrate a high degree of interest in psychology as well as the ability to think creatively and work independently may be invited to participate in the Department’s Honors Program, provided that they meet the following requirements: (1) achievement of a 3.0 grade-point average both in psychology courses and in all courses taken and (2) completion of both Psychology 215/X215 and Psychology 216/L216 by the end of the junior year.

Participants in the Psychology Honors Program must enroll in two honors courses during their senior year: Psychology 575-Honors Thesis (Fall Semester) and Psychology 576-Honors Seminar (Spring semester). Honors students are required to design, conduct, complete a written report of, and orally present an empirical research project or a scholarly research paper which will be read and either accepted or rejected for “honors” designation by a Departmental Honors Committee.

A detailed written description of the Psychology Honors Program is available in the Department Office.

Psi Chi-National Psychology Honor Society

The Suffolk University Chapter of Psi Chi, the national honor society in psychology was chartered on April 28, 1978. Psi Chi is a member of the American Association of College Honor Societies. Criteria for membership include (1) junior or senior class status, (2) academic standing in the upper 35th percentile of class and a minimum 3.0 grade point average, (3) completion of at least five courses in psychology or completion of four courses and current enrollment in a fifth, and (4) attainment of at least a 3.25 grade point average in all courses in psychology.
Minor in Psychology

The requirements for the minor in Psychology can be met by completing the following six courses:

a. Psychology 114 General Psychology

b. Four of the following courses:
   
   Psychology 113 Psychology and Contemporary Living
   Psychology 213, L213 Experimental Psychology and Lab
   Psychology 223 Psychology of Human Development
   Psychology 224 Social Psychology
   Psychology 225 Abnormal Psychology
   Psychology 226 Theories of Personality
   Psychology 243 Industrial Psychology

c. One additional Psychology course numbered 300 or above

For additional information and/or to register as a minor in Psychology, students should consult the Department Chairperson.
Curricula in Psychology
The requirements for the psychology major for each of the three concentration areas are described below.

**Mental Health Concentration**
The Mental Health Concentration is designed for students who are considering a human-services oriented career or graduate study in psychology, counseling, school psychology, or psychiatric social work. Students selecting the Mental Health Concentration must take the courses listed below.

**Core Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 113, XI13 - Psychology and Contemporary Living (and Workshop)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 114 - General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 213, L213 - Experimental Psychology (and Laboratory)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 215, X215 - Statistics and Research (and Laboratory)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 418 - Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Courses:**
Students must take four of the five courses listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 225 - Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 226 - Theories of Personality</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 353 - Psychological Testing</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 356 - Behavior Modification</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 574 - Practicum in Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Major Electives:**
Students must take three major elective courses. (*Note: majors may count no more than one of the psychology courses whose second digit is "0" toward the major.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology elective course</td>
<td>3</td>
</tr>
<tr>
<td>Psychology elective course</td>
<td>3</td>
</tr>
</tbody>
</table>

Industrial/Organizational Concentration
The Industrial/Organizational Concentration is designed for students who are interested in careers in personnel, management, or consumer behavior applications or in graduate study in psychology or business. Students selecting the Industrial/Organizational Concentration must take the courses listed below:

**Core Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 113, XI13 - Psychology and Contemporary Living (and Workshop)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 114 - General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 213, L213 - Experimental Psychology (and Laboratory)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 215, X215 - Statistics and Research (and Laboratory)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 418 - Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Courses:**
Students must take four of the five courses listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 245 - Consumer Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 243 - Industrial Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 344 - Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 343 - Personnel Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 574 - Practicum in Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Major Electives:**
Students must take three major elective courses. (*Note: majors may count no more than one of the psychology courses whose second digit is “0” toward the major.)

<table>
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<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
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<tbody>
<tr>
<td>Psychology elective course</td>
<td>3</td>
</tr>
<tr>
<td>Psychology elective course</td>
<td>3</td>
</tr>
</tbody>
</table>

36-37
Human Development Concentration

The Human Development Concentration is designed for students who are interested in graduate study in psychology or education, or in working with adequately functioning individuals in a particular age group — infants, children, adolescents, adults, or the elderly. Students selecting the Human Development Concentration must take the courses listed below:

Core Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 113, XI13 - Psychology and Contemporary Living (and Workshop)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 114 - General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 213, L213 - Experimental Psychology (and Laboratory)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 215, X215 - Statistics and Research Design (and Laboratory)</td>
<td>4</td>
</tr>
<tr>
<td>Psychology 418 - Senior Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration Courses:

Students must take four of the five courses listed below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology 233 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 234 Psychology of Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 236 Psychology of the Modern Family</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 333 Adult Psychology and Aging</td>
<td>3</td>
</tr>
<tr>
<td>Psychology 574 Practicum in Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

Major Electives:

Students must take three major elective courses. *(Note: majors may count no more than one of the psychology courses whose second digit is “0” toward the major.)*

<table>
<thead>
<tr>
<th>Course</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychology elective course</td>
<td>3</td>
</tr>
<tr>
<td>Psychology elective course</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>36-37</td>
</tr>
</tbody>
</table>

Note: Students who plan to apply for graduate study in psychology (not social work or counselor education) should arrange their schedules so as to have completed Psychology 215 and X215 as well as Psychology 216 and L216 by the end of the first semester of their senior year in order for their applications to be considered by prospective graduate schools. Students who plan to apply for graduate study in psychology must also usually take the Graduate Record Examination (Verbal, Quantitative, and Advanced Test in Psychology sections) by December of their senior year. Students preparing for the Graduate Record Examination will find Psychology 323 and Psychology 418 to be useful. Students who are interested in graduate study (in psychology, social work, counselor education, law, or business) should inform their advisors of this fact as early as possible.

Psychology Courses

Psychology 103 — Psychology of Sports. Applies psychological principles to modern sports. Looks at sports from perspectives covering several interpretations — i.e., competition, recreation, the media, entertainment, and sports as big business. Guest speakers and attendance at sporting events may be included. 1 term — 3 semester hours. Normally offered alternate years.

Psychology 104 — Psychology and Modern Parenting. Explores the psychological issues related to the many forms and aspects of parenting in modern society. Also considers various approaches to child-rearing, integrating them with general psychological concepts. 1 term — 3 semester hours. Normally offered alternate years.

Psychology 108 — Psychology of Alcoholism. An analysis of the dynamics of alcoholism from an individual, family, and social perspective. Includes an historical approach, comparative theories, disease concept, personality factors, treatment, and rehabilitation. 1 term — 3 semester hours. Normally offered alternate years.

Psychology 109 — Popular Topics in Psychology. Variable content (consult schedule). Explores popular issues in psychology such as psychology and the media, psychology of love and intimacy, etc. 1 term — 3 semester hours. Normally offered alternate years.
Psychology 113 — Psychology and Contemporary Living. Explores psychological issues which are important to students in their everyday lives. Topics include self-concept, values, interpersonal relationships, love, sexuality, and work. Relevant psychological theory and research will be presented. Required for psychology majors. 1 term — 3 semester hours. Normally offered every semester.

Psychology X113 — Workshop in Contemporary Living. Exercises are offered which provide students with opportunities for greater insight into their own personality, behavior, and interpersonal relationships. May be taken concurrently or after 113. Required for psychology majors, optional for others. 1 term — 1 semester hour. Normally offered every semester.

Psychology 114 — General Psychology. Introductory-level survey of concepts and representative findings in the major sub-fields of psychology: history and systems, physiology, perception, thinking, emotion, learning, motivation, development, personality, psychopathology, psychotherapy, and social behavior. Required for psychology majors. 1 term — 3 semester hours. Normally offered every semester.

Psychology 215 — Statistics and Research Design. An introduction to the use of statistics as tools for description and decision-making, including methods of research design and hypothesis testing. Prepares students for the analysis, interpretation, and evaluation of psychological research. Concurrent enrollment in L215 required. Required for psychology majors; must be taken by junior year. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology X215 — Laboratory: Statistics and Research Design. Problems assigned in the laboratory are related to the particular statistics being considered in class. Problems in research design are done as take-home assignments. Concurrent enrollment in Psychology 215 required. Required for psychology majors. 1 term — 1 semester hour. Normally offered yearly.

Psychology 216 — Experimental Psychology. A presentation of the achievements, theories, and methods of the experimental approach to psychology. Focuses on representative subject areas of perception, sense systems, learning and cognition. Concurrent enrollment in L216 required.
Psychology 234 — Psychology of Adolescence. Examines physical, cognitive, emotional, and social development in adolescence. Attention is given to identity, parent-adolescent relationships, values, sexuality, and career development as well as psychopathology, drug use and abuse, delinquency, and alienation. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 236 — Psychology of the Modern Family. Focuses on the modern family as a psychological unit, exploring its strengths and weaknesses; roles and relationships; its effective and ineffective functioning. Special emphasis will be given to parenting and family therapies. 1 term — 3 semester hours. Normally offered yearly.

Psychology 237 — Psychology of Women. Explores women's psychological development and experience. Covers sex roles and how society's attitudes about girls and women affect female self-concept, personality, relationships, and work experience. Topics include women of color, sexual harassment, power, and violence against women. 1 term — 3 semester hours. Normally offered alternate years.

Psychology 243 — Industrial Psychology. Explores ways in which the work-effectiveness of individuals may be enhanced. Emphasis is placed on the four spheres of Industrial Psychology — organizational behavior, personnel functions, human engineering in the work place, and consumer psychology. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 245 — Consumer Psychology. Investigates the psychological bases of consumer decision-making with emphasis given to advertising, packaging, brand loyalty, and other marketing considerations. Prior familiarity with psychological principles helpful but not essential. 1 term — 3 semester hours. Normally offered every year.

Psychology 323 — Brain and Behavior. Explores the organic basis for human and animal behavior. Specifically treats nervous system and brain function, emotion, drives, and stress. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 333 — Adult Psychology and Aging. Considers developmental tasks in the psycho-social sphere which confront individuals and groups in the span of life from young adulthood to death. Special attention is paid to the problems of the aged. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 343 — Personnel Psychology. Focuses on recruiting, screening, placement, performance assessment, training, and career development of personnel in business and industry in order to match abilities and tasks. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 344 — Organizational Psychology. Applies psychological theory and research to understanding and managing individual and group behavior in work settings. Focus is on organizational structure and its influence on human behavior as well as managerial styles and decision-making. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 353 — Psychological Testing. Examines basic issues of test construction and key principles of testing such as reliability and validity. A variety of intelligence and personality tests are discussed and demonstrated, including the WAIS-R, Bender-Gestalt, MMPI, T.A.T., and Rorachach. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 356 — Behavior Modification. Introduction to the basic concepts of operant and respondent conditioning and observational learning. Behavior modification programs in mental health, education, business, and correctional settings are surveyed. Legal and ethical issues are considered. Prerequisite: Psychology 114. 1 term — 3 semester hours. Normally offered yearly.

Psychology 418 — Senior Seminar. Surveys the development of important ideas and schools of thought in psychology and examines opposing viewpoints on current controversial psychological issues. Students write and present papers on a topic of their choice. Required for psychology majors. Prerequisite: 5 courses in psychology, including Psychology 215-X215 and Psychology 216-L216. 1 term — 3 semester hours. Normally offered yearly.
Psychology 433 — Psychological Disorders of Childhood and Adolescence. Considers psychological determinants of disturbed behavior in children and adolescents, with attention to organic and constitutional factors. Major focus is on childhood. Prerequisite: Psychology 114; Recommended: Psychology 233 or 234 or Psychology 223. 1 term — 3 semester hours. Normally offered yearly.

Psychology 571 — Helping Relationships. Explores and examines basic models of helping and provides supervised practice of helping skills. Format includes lecture, discussion, role-play, and video-feedback. Consent of the instructor required for admission. 1 term — 3 semester hours. Normally offered every year.

Psychology 574 — Practicum in Psychology. Field work placement of eight hours per week, under supervision. Includes seminar and individual conferences. Open to advanced students with at least 15 hours of Psychology by consent of instructor. Prerequisite: Psychology 571 recommended. 1 term — 4 semester hours. Normally offered yearly.

Psychology 575 — Honors Thesis. Student conceives, designs, conducts, and describes in both written and oral form an empirical research project or scholarly research paper under the guidance of a faculty member. Required of seniors in the Psychology Honors Program by consent of instructor and with approval of department chairperson. Prerequisite: Psychology 215-X215 and Psychology 216-L216. 1 term — 4 semester hours. Normally offered every semester.

Psychology 576 — Honors Seminar. Intensive reading/discussion of primary sources on major issues and areas in psychology. Students write papers on various topics. Open by invitation to senior majors and minors with high academic standing. Required of students in the Psychology Honors Program. 1 term — 3 semester hours. Normally offered every semester.

Psychology 578 — Directed Study in Psychology. Substantive reading/research in area of special interest directed by a faculty member. Open to junior and senior majors by consent of instructor and with approval of department chairperson. 1 term — 3 semester hours. Normally offered every semester.
Sociology

Department of Sociology
Profsers: Spitzer, Sullivan (Chairperson)
Associate Professors: Holley, Manning, Morton, Todd, Topitzer
Assistant Professor: Howell
Senior Lecturer: Skeffington
Lecturers: Lass, McCauley

The department of sociology offers a broad range of courses, concentrations, and programs. Students wishing to major in sociology must take Sociology 113, Introduction to Sociology, before other courses in the department. There are four courses required for sociology majors: Introduction to Sociology (credit not applied to the major), Research Methods, Sociological Theory, and Field Studies (or Professional Practicum for students studying Aviation Systems). These courses provide 10 credit hours (or more in the case of HFA students) toward the major requirement and form a core around which students can develop a diversified program reflecting their intellectual interests and career goals. Each of the seven programs described below — General Sociology; Crime, Law and Deviance; Health Studies; Social Work; C.R.O.S.S.; Technology and Society; and Aviation Systems — provides an orientation to the field as a whole as well as advanced training in topics of special interest.

Sociology majors in programs other than Aviation Systems may satisfy senior requirements in sociology by taking Sociology 411 and either Sociology 412 (The Field Experience), or Sociology 443 (Seminar in Applied Sociology), or Sociology 433 (Seminar in Crime and Delinquency). Students who are working in professional settings may apply to the Field Studies Coordinator for a waiver of the Field Studies Requirement.

All majors are expected to complete 8 sociology courses in addition to those required. These courses will differ depending on the program chosen, but their completion will satisfy the total sociology course requirement.

Students selecting career programs (Crime, Law and Deviance, Health Studies, Social Work, C.R.O.S.S., Technology and Society, and Aviation Systems) are required to take Sociology 114, Sociology and Urban Problems, before enrolling in courses within their chosen career concentration. This course is designed to bridge the gap between general sociology and career training and provide a sociological orientation to specific career tracks offered within the department.

To encourage balance and breadth in course selections, students are expected to choose at least one of their 8 sociology option courses from outside of their chosen program area. Departmental advisors should be consulted in the selection of those sociology courses most likely to complement program training in both general and specialized subject areas.

Most of the programs in sociology offers students an orientation to their fields of interest through an introductory course.

Introductory Courses

<table>
<thead>
<tr>
<th>Program Area</th>
<th>Introductory Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crime, Law and Deviance</td>
<td>Sociology 233</td>
</tr>
<tr>
<td>Social Work</td>
<td>Sociology 243</td>
</tr>
<tr>
<td>Health Studies</td>
<td>Sociology 253</td>
</tr>
<tr>
<td>Technology and Society</td>
<td>Sociology 264</td>
</tr>
<tr>
<td>Aviation Systems</td>
<td>Sociology 287</td>
</tr>
</tbody>
</table>

Students should typically take the courses listed above in their sophomore year and before taking other more specialized courses in their program area.

Areas of study within sociology provide opportunities for specialized study and supervised research. Advanced seminars are offered regularly in each of the program areas listed below.
Advanced Seminars

<table>
<thead>
<tr>
<th>Program Area</th>
<th>Seminar</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Sociology</td>
<td>Sociology 443</td>
</tr>
<tr>
<td>Crime, Law and Deviance</td>
<td>Sociology 433</td>
</tr>
<tr>
<td>Social Work</td>
<td>Sociology 443</td>
</tr>
<tr>
<td>Health Studies</td>
<td>Sociology 443</td>
</tr>
<tr>
<td>Technology and Society</td>
<td>Sociology 443</td>
</tr>
<tr>
<td>Aviation Systems</td>
<td>Sociology 511</td>
</tr>
</tbody>
</table>

Honors in Sociology

Majors who do exceptionally well in sociology courses may be eligible for participation in the Honors Program in Sociology. This program is based on an individualized pattern of course selection, directed study and participation in advanced seminars. Interested students should consult the Director of the Sociology Honors Program for further details about honors options and designated faculty advisors for information on the requirements for initiation to Alpha Kappa Delta (the Sociology Honor Society) and Phi Alpha Sigma (the Criminal Justice Honor Society).

Alpha Kappa Delta

Alpha Kappa Delta is the National Honor Society for Sociology majors and Graduate Students who have demonstrated excellence in Sociology. Its purpose is to promote in each of the various chapters an interest in Sociology, Research in Social Problems and activities leading to Human Welfare. The Suffolk Chapter has been designated Iota of Massachusetts. To be eligible for membership, candidates must have a general “B” (3.0) average overall as well as a “B” (3.0) average in sociology courses. Students must have taken at least 10 credit hours in Sociology.

Alpha Phi Sigma

An affiliate organization of the Academy of Criminal Justice Sciences, Alpha Phi Sigma is the National Honor Society for students majoring in fields related to criminal justice sciences. To qualify for membership students must have (1) a cumulative grade point average of 3.0, (2) a 3.2 grade point average in criminal justice courses, (3) complete at least one-third of the credit hours required for graduation, and (4) successfully complete at least four courses in the criminal justice field. The Suffolk University chapter of Alpha Phi Sigma is Pi Sigma.

Pi Gamma Mu Honor Society

Massachusetts Gamma Chapter is the Suffolk Chapter of the National Social Science Honor Society Pi Cumma Mu. To qualify for membership, students must have completed 24 semester hours of social science courses with a minimum average of “B” and no failures in government, economics, sociology, history, philosophy, and social psychology. The maximum number of students who may be admitted in any one year is ten percent of the upperclassmen specializing in any of the social sciences. Members are elected for life.

Associate Degrees

The department offers associate degrees in two program areas: Crime, Law and Deviance and Social Work. Students may receive associate degrees in these areas after completing 62 credit hours. The sociology requirements for these degrees include Research Methods, Sociological Theory, Sociology and Urban Problems, and at least five additional career-related courses in sociology. Students seeking the associate degree should consult with their advisors on an appropriate pattern of course selection.
Certificates

Certificates for the completion of a specialized course of study may be obtained in five program areas: Crime, Law and Deviance; Social Work; Health Studies; Technology and Society; and Aviation Systems. To obtain certificates students must complete six courses from a list specifically designated with respect to their chosen field of interest. Further information on certificate requirements may be obtained in the department.

Minors in Sociology

Minors in sociology may be obtained by completing eighteen hours of coursework (6 courses). The minor requirement is satisfied by successful completion of two core courses (Sociology 113 — Introduction to Sociology and one of the following three courses: Sociology 114 — Sociology and Urban Problems, Sociology 214 — Research Methods, or Sociology 215 — Sociological Theory) and four elective courses in sociology. Electives may be chosen from any combination of sociology offerings but students interested in concentrating their minor coursework in a specific program area may wish to select all of their electives from that area.

General Sociology

In addition to the courses required for all majors (Sociology 113, 214, 215, and 413 or 483-486), students selecting the program in General Sociology may elect courses in areas of sociological investigation such as the family (SOCIO 223), romance (SOCIO 225), popular culture (SOCIO 325), religion (SOCIO 228) and social class (SOCIO 229). Within the area of General Sociology students may choose to concentrate on Women’s Studies. Among the courses offered in this area are Women in Contemporary Society (SOCIO 273), Women and Health (SOCIO 355), Women and Crime (SOCIO 275) and Women and Work (SOCIO 286).

Those who pursue the Program in General Sociology are required to take Sociology 443 (Seminar in Applied Sociology) in their junior or senior year. The major requirement (10 credit hours), the Seminar (3 hours), plus 21 hours of sociology electives will enable those who elect this program to accumulate the necessary 34 hours in the major. Students enrolled in the General Sociology Program are encouraged to take courses in any of the social sciences or humanities that complement their substantive interests in sociology. Personal Computer Techniques (SOCIO 213), is especially recommended for students interested in social policy and social research.

Crime, Law and Deviance

Students electing the program in Crime, Law and Deviance are required to take 4 specific course (12 credit hours) in addition to the 13 hours required for all sociology majors. These courses are Introduction to Crime and Delinquency (SOCIO 233), Introduction to Criminal Justice Systems (SOCIO 234), Seminar in Crime and Delinquency (SOCIO 433) and one course selected from the following:

- Sociology 235 Sociology of Law
- Sociology 236 Sociology of Deviance
- Sociology 275 Women and Crime
- Sociology 333 Private Security
- Sociology 334 Sociology of Policing
- Sociology 335 Corrections and Punishment
- Sociology 336 Probation and Parole
- Sociology 337 Juvenile Justice and the Law
- Sociology 338 White Collar and Computer Crime
A pre-law advisor is available within the department for those students within the Crime, Law and Deviance Program interested in seeking admission to law school. SOCIO 213 is especially recommended for students who are seeking careers in the collection, analysis and processing of criminal justice data.

**Health Studies** Students choosing the Program in Health Studies must take 4 courses (12 credits) in addition to the 13 hours of coursework required of all sociology majors. These courses are Medical Sociology (SOCIO 253), Orientation to Health Professions (SOCIO 254), Seminar in Applied Sociology (SOCIO 443) and one course selected from the following:

- Sociology 255 Sociology of Mental Health
- Sociology 353 Health Care Management
- Sociology 354 Sociology of Death and Dying
- Sociology 355 Women and Health
- Sociology 356 Sociology of Aging

For students in health studies, the natural science option should be satisfied by taking "Principles of Biology" and either "Bio-Ethical Issues" or "Genetics," offered by the Biology Department. Because of the growing significance of data processing in health care delivery, Personal Computer Techniques (SOCIO 213), is recommended for all students participating in this program. For those students interested in managerial careers in health services, "Principles of Accounting" in the Accounting Department and "The World of Work" in the Management Department are strongly recommended.

Continuing education opportunities are available for professionals in the field of health care who wish to incorporate work experience into their program planning.

Sociology 256-259 (Special Topics in Applied Sociology) and Sociology 358 (Advanced Studies in Applied Settings) are specifically designed to meet the needs of students pursuing continuing education while working in applied settings.

**Social Work** Beyond the 13 hours of required coursework in sociology, students electing the Program in Social Work are required to take 6 courses (19 credits): Introduction to Social Work (SOCIO 243), Professional Practicum (SOCIO 483), Seminar in Applied Sociology (SOCIO 443) and three courses selected from the following:

- Sociology 343 Child Welfare Services
- Sociology 344 Community Organization
- Sociology 345 Health and Social Services
- Sociology 228 Cultural Diversity and Human Needs
- Sociology 253 Medical Sociology
- Sociology 254 Orientation to Health Professions
- Sociology 273 Women in Contemporary Society
- Sociology 275 Women and Crime
- Sociology 336 Probation and Parole
- Sociology 337 Juvenile Justice and the Law
- Sociology 354 Sociology of Death and Dying
- Sociology 355 Women and Health
- Sociology 356 Sociology of Aging

Students should consult with their advisors in the selection of related social science electives but should give special consideration to taking relevant courses in Psychology and Psychological Services, especially Psychology 224 (Social Psychology), and Psychology 225 (Abnormal Psychology) in the Psychology department and "Helping Skills — Theory and Practice" offered by the Department of Psychological Services.
The C.R.O.S.S. Program (Spanish-Sociology) The Department of Sociology cooperates with the Department of Humanities and Modern Languages in a career-oriented interdepartmental major, Program CROSS (Career-Related Opportunities in Sociology and Spanish). This program brings together the strengths of two fields: Sociology and Spanish. The program can serve as preparation for work with Spanish speaking populations. It essentially provides a student with knowledge and skills in the Spanish language and in a particular area of sociology. The CROSS Program consists of combining 21 hours of Spanish with 25 hours of Sociology: the student may choose a program in General Sociology, Crime, Law and Deviance, Health Studies, Social Work or Technology and Society. In addition, the program offers students the opportunity for field experiences while the sequence of courses in Spanish is intended to provide the necessary foreign language proficiency.

**Spanish Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spanish 201-202</td>
<td>6</td>
</tr>
<tr>
<td>Spanish 207-208</td>
<td>6</td>
</tr>
<tr>
<td>Spanish 303-304</td>
<td>6</td>
</tr>
<tr>
<td>Any Spanish course above 303-304</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Sociology Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Sem. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sociology 113 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 114 Sociology and Urban Problems</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 214 Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 215 Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 413 Field Studies</td>
<td>4</td>
</tr>
<tr>
<td>PLUS one course from the following</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 228 Cultural Diversity and Human Needs</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 233 Introduction to Crime and Delinquency</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 235 Introduction to Social Services</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 253 Medical Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Sociology 264 Technology and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

PLUS two courses in the students area of special interest within sociology 6

Technology and Society For students interested in the impact of technology on society and the ways in which social structures, institutions and practices influence technological change, the department offers a career-oriented program in technology and society. In addition to the 13 hours of required coursework in sociology, students selecting this program are required to take 4 courses (12 credits). They are Technology and Society (SOCIO 264), Work and Occupations (SOCIO 283), and Computers and Society (SOCIO 265) and one course selected from the following:

- Sociology 253 Medical Sociology
- Sociology 285 Sociology of Organizations
- Sociology 286 Women and Work
- Social Sc 213 Computer Applications in the Social Sciences
- Sociology 385 Social Forces in Transportation
- Sociology 510 Human Factors in Aviation

Students enrolled in this program are also required to take Sociology 443 (Seminar in Applied Sociology) to help them integrate their classroom and field experience in the area. Whenever possible students should consult with their advisors concerning complementary course selections in the School of Management and relevant areas of the physical sciences.

Aviation Systems The courses taken in this program form the aviation core for Suffolk’s Federal Aviation Administration accredited program in Airway Science. Students electing to study Aviation Systems are required to take Introduction to Sociology, Research Methods, Sociological Theory, and Professional Practicum (SOCIO 483-486). The minimum number of credit hours to be taken in the practicum is 8, but students working in applied settings may enroll in up to 16 credit hours under the supervision of...
the Coordinator of Aviation Programs — Professor John L. Sullivan. The practicum may be taken in conjunction with any of the four courses required of all those in the program: Introduction to Aviation Systems (SOCIO 287), Social Forces and Transportation (SOCIO 385), Human Factors in Aviation Systems (SOCIO 510) and Seminar in Sociology of Aviation (SOCIO 511). One additional course must also be chosen from either Legal Forces in Aviation Systems (SOCIO 512), or Computer Applications in the Social Sciences (SOCSC F213), Airport and Community Development (SOCIO 520), or seminar in Human Factors Methods (SOCIO 521). Continuing education opportunities are available for aviation professionals who wish to incorporate work experience into their program planning. Sociology 483-486, the Professional Practicum, as well as the other required courses in the program, are specifically designed to meet the needs of the students pursuing continuing education while working in aviation settings. Students taking advantage of the continuing education option may develop an individualized plan of instruction while working toward the safer and more efficient operation of aviation equipment and systems.

**Sociology Courses**

**Sociology 113 — Introduction to Sociology.** An introduction to the sociological understanding of human interaction, group process and social structures. Students are introduced to basic concepts, theories and methods of sociological investigation. *1 term — 3 semester hours. Normally offered every semester. Fulfills the Social Science Option. Required for all sociology majors.*

**Sociology 114 — Sociology and Urban Problems.** A sociological examination of the city and its problems including attention to the origins, development and transformation of the physical and social environment of urban areas. Emphasis is placed on intervention strategies, current dilemmas and prospects for the future. *1 term — 3 semester hours. Normally offered every semester. Required for students in all program areas.*

**Sociology 213 — Personal Computer Techniques.** How to use personal computers for writing, drawing charts, presenting budgets, and workplace training. Skills acquired include word processing, paint and graphics programs, spreadsheets, and situation simulations for those working with people. Typical software used includes PC-Write, PC-Paint, Lotus 1-2-3, and others. No previous knowledge or use of computers needed. Useful computer literacy course for those with no math or computer programming needs. *1 term — 3 semester hours. Normally offered yearly.*

**Sociology 214 — Research Methods.** How sociologists decide what to study, and how they select a research design, sample and collect data, analyze results, interpret findings, and write up reports. Students are introduced to the techniques most frequently used by sociologists and undertake their own small research project. *1 term — 3 semester hours. Normally offered every semester. Required for all sociology majors.*

**Sociology 215 — Sociological Theory.** An examination and comparison of the major theoretical approaches in contemporary sociology and their origins. Contributions of different branches of sociology to theory are explored with special attention to the origins and consequences of sociological explanations. *1 term — 3 semester hours. Normally offered every semester. Required for all Sociology Majors.*

**Sociology 411 — “Orientation to Field Studies”: An introduction to the theory and methods of field work.** Students develop the basic and more specialized skills necessary to investigate career-related work setting. *1 term — 3 semester hours. Normally offered in the Fall semester. Restricted to seniors. Required for all Sociology Majors except students in Aviation Systems. Note: This course replaces Sociology 413 (Field Studies).*
Sociology 412 — "The Field Experience": Field experience under the supervision of on-site managers and sociology faculty. Students are assisted in the application of sociological techniques and understandings to the work setting. 1 term — 3 semester hours. Prerequisite: Sociology 411. Normally offered in the Spring semester. Restricted to seniors.


Sociology 224 — Sociology of Power. A consideration of power in many areas of social life, from the family to the political system with special attention to its significance in inequality, social movements and social change. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 225 — Sociology of Romance. The meaning of romance and courtship today and its social consequences in marriage, homogamy, stratification, and divorce. The historical origins of romanticism and the sources of romance in socialization, books and magazines, television and movies, popular music and peer group membership are also considered. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 226 — Religion in American Society. An examination of religion as a force in American Society. Emphasis on the analysis of major religious systems, stability and change within religious organizations, and the implications of these relationships for both clergy and society. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 227 — Sociology of Minorities. An investigation of the dynamics of conflict and cooperation in race and ethnic relations. Emphasis is placed on the social context within which groups are identified and treated as minorities, the social origins of prejudice, scapegoating, and discrimination and pathways to conflict resolution, containment and escalation. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 228 — Cultural Diversity and Human Needs. Enables students to examine, as well as develop an awareness and appreciation of, diversity within today's society. Providing an overview of the major racial, ethnic and cultural groups in the U.S., the focus is on the ways in which cultural awareness enhances professional helping relationships and improves the operation of human service systems. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 229 — Social Class and Inequality. This course examines the difference between the life experience of those who are rich, poor and middle class. Topics include: the elite in Boston; theories of inequality; blue collar neighborhoods; the hard living poor; and ethnic and sexual stratification. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 325 — Popular Culture in America. An investigation of the images of life provided by mass communications, the educational system and official culture. Topics include: the growth of the youth culture since the 1950s; images of working people; women, minorities and advertising; changing ideas of success; consciousness raising and contra-cultures. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 423 — Independent Study. Members of the department hold special meetings with students and direct them in investigating topics of interest in sociology. Arrangements for independent study must be approved by the supervising instructor and the Department Chairperson. 1 term — 3-6 semester hours. Restricted to juniors and seniors.

Sociology 233 — Introduction to Crime and Delinquency. An in-depth introduction to theoretical perspectives on criminal and delinquent behavior. The course reviews the social dimensions of crime and delinquency (e.g. categories of offenses and offenders, victimization patterns, regional variations, etc.) and offers a brief analysis of criminal justice issues. 1 term — 3 semester hours. Normally offered every semester. Required for all majors in the Crime, Law and Deviance Program.
Sociology 234 — Introduction to Criminal Justice Systems. An overview of issues and social variables involved in the pre-arrest and arrest stages followed by a more in-depth analysis of pre-trial, trial, sentencing, and correctional phases. Sociological and criminal justice models are examined and compared with the actual processes and purported functions of criminal justice agencies. Prerequisite: Sociology 233. Required for all majors in the Crime, Law and Deviance Program. 1 term — 3 semester hours. Normally offered yearly.

Sociology 235 — Sociology of Law. Law and legal systems are examined in contemporary society. Emphasis is placed upon the manner in which legal structures and processes interact with other social arrangements and are transformed over time. 1 term — 3 semester hours. Normally offered yearly. Fulfills the Social Science Option.

Sociology 236 — Sociology of Deviance. Deviant behavior is analyzed in terms of socialization, deviant roles and identities, social control, and other social processes. Specific forms of deviance are discussed from a variety of sociological perspectives. 1 term — 3 semester hours.

Sociology 333 — Private Security. An investigation of the social sources and consequences of the private (non-public and profit-oriented) provision of policing and security services. Historical and contemporary forms of private policing are examined in connection with the changing nature of the security problem, the relationship between public and private policing and the more general issues raised by the buying and selling of security. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 334 — Sociology of Policing. An investigation of the emergence, organization, and structure of police systems. The course focuses on the conditions surrounding the relationship between the police and policed in different historical, political and economic contexts. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 335 — Corrections and Punishment. A sociological exploration of coercive and incapacitative responses to crime. Attention is given to the origins and patterning of segregative controls, the correctional claims of prison systems, alternatives to incarceration and relationships between types of crime, criminals, and varieties of punitive response. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 336 — Probation and Parole. Correctional theories are reviewed along with the historical development of probation and parole. Current research and analytical perspectives reflecting on administrative problems, innovative policies, and the internal philosophical inconsistencies of these systems are examined. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 337 — Juvenile Justice and the Law. Considers the problems surrounding the legal definition and handling of juveniles who confront the law as offenders, clients and victims. Attention is devoted to the study of the special legal categories and procedures established for juveniles, the problems facing professionals providing juvenile services and the most significant directions of legal and social change affecting youth in our society. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 338 — White Collar and Computer Crime. An examination of the relationship between crime, business activity, and technology with special attention to the crimes of the powerful and the changing relationship between economic development and criminal activity. The causes and consequences of the “new property” (information) are explored in conjunction with the ways in which the computer has become a target of, tool for and impediment to crime. 1 term — 3 semester hours. Normally offered yearly.


Sociology 243 — Introduction to Social Services. A survey of the variety of human service professions and the major value orientations and methods of practice utilized by the helping professions. Includes an examination of the basic issues regarding the administration of human service and the variety of service delivery systems. 1 term — 3 semester hours. Normally offered yearly. Required for all majors in the Social Work Program.
Sociology 343 — Child Welfare Services. A survey of the historical development and current composition of services for children, including income maintenance, day care, foster and institutional care, and the adoption process. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 344 — Community Organization. A study of the different types and functions of communities. Through identifying community needs, resources and structures, students learn effective ways to organize for change. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 345 — Health and Social Services. An examination of the relationship between health and social services in the organization and delivery of client/patient care. Reciprocal responsibilities and agency problems are studied on both interactional and organizational levels. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 443 — Seminar in Applied Sociology. An intensive exploration of some of the ways in which sociological insights may be applied to the solution of practical problems. Students select an area of substantive interest and develop individualized action plans. The focus is on sharpening and refining the understanding of social issues while developing meaningful strategies for sociological analysis and intervention. Restricted to juniors and seniors. Required for all majors in the General Sociology, Social Work, Health Studies, and Technology and Society Programs. 1 term — 3 semester hours. Normally offered yearly.

Sociology 253 — Medical Sociology. The course explores social factors in health, illness, death and healing. Attention is given to the social organization of medical care including the roles of the physician and patient, the clinic and hospital, public health and preventive care. 1 term — 3 semester hours. Normally offered every semester. Required for all majors in Health Studies. Fulfills the Social Sciences Option.

Sociology 254 — Orientation to Health Professions. The course surveys the role of allied health professions in the delivery of health care. The history and current practice of allied health professions are reviewed and the relationship between care-givers, managers and support staff is explored. Required for all majors in Health Studies. 1 term — 3 semester hours. Normally offered yearly.

Sociology 255 — Sociology of Mental Health. An investigation of the social history of mental illness, epidemiological and cross-cultural approaches to mental disorder, as well as the career of the mental patient, the functions of psychiatry in society, and types of community and social treatment. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 256-259 — Special Topics in Applied Sociology. Specialized topics based on clinical training and experience for professionals. These credits can only be applied to general college elective requirements and are only available to sociology majors. Content, prerequisites, and hours to be announced.

Sociology 353 — Health Care Management. A study of the current philosophy and practice relating to health services administration. Class discussion, a semester project relating to a clinical setting and analysis of problems peculiar to health care delivery are included. Prerequisite: Sociology 253. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 354 — Sociology of Death and Dying. An examination of changing definitions of life and death, social factors affecting causes and rates of death, care of the dying and their families, institutionalization, the funeral industry, suicide, crisis intervention and the impact of technology on the dying process. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 355 — Women and Health. An exploration of topics that relate particularly to women as providers and consumers in the health care system. The course will consider historical and current information on issues of reproduction, technology, health and illness. 1 term — 3 semester hours. Normally offered yearly.

Sociology 356 — Sociology of Aging. A consideration of the physiological, psychological, and social factors associated with the aging process. Contemporary American values toward the elderly are compared and contrasted with historical and cross-cultural studies. Current opportunities and techniques enabling the elderly to enrich and expand their societal roles are also explored. 1 term — 3 semester hours. Normally offered alternate years.
Sociology 358 — Advanced Studies in Applied Settings. Practica-based training for health professionals working in specialized clinical settings. These credits can only be applied to general college elective requirements and are only available to sociology majors. Prerequisites: Sociology 256, 257, 258, 259. 1 term — 3 semester hours.

Sociology 264 — Technology and Society. An examination of the ways in which social structures and processes influence and are influenced by modern technology. The transformation of ideas, needs, and social practices in technologically advanced societies is considered in conjunction with changes in the way in which we understand the world, the nature of work and leisure, the processing of information and the character of social institutions. Required for all majors in the Technology and Society Program. 1 term — 3 semester hours. Normally offered yearly.

Sociology 265 — Computers and Society. An introduction to computers and their impact on society. The course examines the development, working principles and uses of computers in areas such as industry, offices, homes, schools, medicine, air transport and artificial intelligence. Topics include: health and safety issues; crime, vandalism and computer security; careers in computing; futurology; high-technology applications; and the ideology of computers in society. Required for all majors in the Technology and Society Program. 1 term — 3 semester hours. Normally offered yearly.

Sociology 273 — Women in Contemporary Society. A critical analysis of theory and research related to the socialization, roles, and social participation of women in contemporary society. 1 term — 3 semester hours. Normally offered yearly. Fulfills the Social Science Option.

Sociology 275 — Women and Crime. A consideration of women as victims of crime, as criminals, and as crime-fighters. A look at the extent and nature of the relationship between women and crime in America. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 276 — Sex and Society. An examination of human sexuality as experience and institution. Sexuality is examined in relationship to power, love, religion, family, race, gender, sexual orientation, violence, and courtship. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 277 — Women and Work. An exploration of the relationships between gender roles, work environments, and careers in American society. The problems and prospects faced by women in the world of work are considered with special attention to power and sexism in the workplace, domestic vs. organizational work, role conflicts for working women, and the relationship between changing images of women and changing patterns of female employment. 1 term — 3 semester hours. Normally offered yearly.

Sociology 283 — Sociology of Work and Occupations. A discussion of the world of modern work that includes the origins of contemporary industry and job characteristics, the current industrial and occupational picture, and the future of human labor. Attention is given to conditions of work, problems of alienation, occupational and role changes, and worker control of work life. Required for all majors in the Technology and Society Program. 1 term — 3 semester hours. Normally offered yearly. Fulfills the Social Science Option.

Sociology 285 — Sociology of Organizations. An exploration of the place and internal characteristics of organizations in modern society. Organizations are studied as the source, solution, and focus of many important problems in social life. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 286 — Women and Work. An exploration of the relationships between gender roles, work environments, and careers in American society. The problems and prospects faced by women in the world of work are considered with special attention to power and sexism in the workplace, domestic vs. organizational work, role conflicts for working women, and the relationship between changing images of women and changing patterns of female employment. 1 term — 3 semester hours. Normally offered yearly.

Sociology 287 — Introduction to Aviation Systems. The course acquaints the student with fundamental forces and elements associated with aviation and the process of flight and their impact on America and other societies. Significant stages in the development of major military, commercial, and general aviation systems are presented. 1 term — 3 semester hours. Normally offered yearly. Required for all Human Factors in Aviation students. Fulfills the Social Science option requirement.

Sociology 288 — Social Forces and Transportation. A consideration of the social factors, implications, and issues associated with the systems, techniques, and hardware employed in the movement of people, goods, and energy sources on land, sea, air, and space. 1 term — 3 semester hours. Normally offered yearly. Required for all Human Factors in Aviation students.
Sociology 510 — Human Factors in Aviation Systems. Alternative behavior patterns for key positions in flight operations are examined here. Suggestions for improved role performance and training programs are offered for such positions as captain, first and second officer/flight engineer, flight attendant, dispatcher, corporate and general aviation pilot, and air traffic controller. 1 term — 3 semester hours. Normally offered yearly. Required for all Human Factors in Aviation students.

Sociology 511 — Seminar in Sociology of Aviation. Significant issues and problems associated with major systems within the aviation community are discussed. The course examines interaction between the Federal Aviation Administration, the airline industry, aircraft manufacturers, general aviation, and related professional associations. 1 term — 3 semester hours. Normally offered yearly. Required for all Human Factors in Aviation students.

Sociology 512 — Legal Forces and Aviation Systems. An examination of the relationships between the law and the aviation community. Particular attention will be paid to the manner in which legal forces affect the interactive process between governmental and private aviation systems and the quality of life for aviation professionals. 1 term — 3 semester hours. Normally offered alternate years.

Sociology 483-486 — Professional Practicum. Supervised professional activity in applied settings. Students performing career-related tasks are guided in the application of sociological methods, concepts, and theories to their work experience. 1 term — each segment 4 semester hours. Consent and prerequisites to be announced.

Sociology 520 — Airport and Community Development. Major elements in the process of airport planning and management will be presented within the context of community development techniques. Emphasis will be upon solving problems inherent in the relationship between the airport and the community at large. 1 term — 3 semester hours. Normally offered alternate years. Required or M.S. in Human Resource Development for Aviation Systems. Undergraduates admitted with instructor's consent.
Sociology 521 — Seminar in Human Factors Methods. An advanced examination and evaluation of the application of human factors methods to professional positions in aviation systems. Materials are directly related to current faculty research in flight operations and crew dynamics. 1 term — 3 semester hours. Normally offered alternate years. Required for M.S. in Human Resource Development for Aviation Systems. Undergraduates admitted with instructor’s consent.

Sociology 530 — Aviation Internship. Application of human factors methods in an assigned aviation field placement. Students spend fifteen hours per week in field setting and participate in weekly group sessions at the University for progress evaluation. 1 term — 3 semester hours. Prerequisite: Sociology 521. Required for M.S. in Human Resource Development for Aviation Systems. Undergraduates admitted with instructor’s consent.
Suffolk University
College of Liberal Arts and Sciences

Graduate Programs
Graduate Admission

Policy and Criteria
Applications to the Department of Graduate Education are evaluated by the Graduate Admissions Committee, which relies on a variety of factors to determine a candidate's potential for success in the program to which he/she is applying.

The Committee devotes extensive and individualized attention to every application, and each candidate is viewed within the context of what he or she has to gain from, and offer to, the program. None of Suffolk's graduate programs requires nor presupposes a background in a specific undergraduate major or field of specialization.

In order to be considered for admission to the Department of Graduate Education, degree candidates must submit the following credentials:

- application form and fee
- statement of professional goals
- current resume
- official transcripts of all academic work
- two letters of recommendation
- official score report of the Graduate Record Examination (GRE) or the Miller Analogies Test (MAT)

Applicants for the Certificate of Advanced Graduate Study do not need to submit a standardized test score.

International Students
The graduate programs in Education welcome applications to their full-time programs from fully qualified international students.

In addition to the application materials stated above, foreign students whose native language is not English, must submit an official copy of their scores on the Test of English as a Foreign Language (TOEFL). This requirement is waived for international students who are permanent residents of the United States or who hold a baccalaureate degree from an American college or university.

International applicants must also file a Financial Resources Certification form, certifying sufficient funds to cover all academic and living expenses for full-time graduate study. Financial aid is not available to international students.

Deadlines and Notification
Students may begin their graduate study in Education in any Fall, Spring, or Summer semester of the academic calendar. Submission deadlines for both full-time and part-time graduate applications are as follows:

- Fall Semester: May 15
- Spring Semester: November 15
- Summer Semesters: April 15

Applications submitted after these dates will be considered on a space-available basis only. Candidates are notified of their decisions within four to six weeks of the deadline and are required to confirm their intention to enroll by remitting a $100 non-refundable deposit, which is credited to tuition at the time of registration.
Financial Aid
Graduate fellowships and assistantships are available to full-time graduate students who are United States citizens and who meet various criteria for receiving financial aid. In order to be considered for these and other forms of assistance, such as grants and loans, candidates must submit their admission application to the Graduate Admissions Office by March 15 and their financial aid application to the Financial Aid Office by April 1.

Transfer Credits At the time of matriculation students may request transfer of not more than six graduate credits completed at other accredited institutions. Only courses in which a student has received a grade of B or better will be accepted. Courses taken more than five years prior to the student’s acceptance into his/her present program will not be considered for transfer credit except in extraordinary instances.

Non-Degree Graduate Student Status Students may elect to take a maximum of two graduate courses in the Department of Education before applying for degree status in any of the several programs. Students who apply for degree status and who for any reason are not granted such status may be placed in the category of probationary student. Such students must take two courses recommended in the program to which they have applied, and their application for degree status will be re-evaluated by the Graduate Admissions Committee after the successful completion of these two courses with grades of B or better. These two courses must be completed within one academic year of the time the candidate begins his/her study.
Graduate Education and Human Services

Department of Education and Human Services

Professors: Ash, Eskedal (Chairperson), Lewandowski, McCarthy, Perlman
Associate Professors: Mahoney, Shatkin, Winters
Assistant Professor: Sartwell
Senior Lecturers: Dahlborg, Drown, Meggison, Zifcak
Lecturers: Alexander, Aptaker, Barker, Barrows, Burke, Copell, Cowan, Feinman, Felice, Kennedy, Kremgold-Barrett, Kubacki, Martin, Neale, Thayer, Quintiliani

Major Fields of Study — The Department of Education and Human Services offers courses leading to the Master of Education, with concentrations in Administration and Supervision, Professional Teacher Development and School Counseling; to the Master of Science, with concentrations in Business Education and Counseling and Human Relations; to Massachusetts certification in Secondary School teaching; and to the Certificate of Advanced Graduate Study, with concentrations in Counseling and Human Relations, Leadership, Teacher Mentoring, and Office Technologies/Administrative Services.

Requirements — Suffolk University offers graduate programs in Education and Human Services for students who have Bachelor's and Master's degrees from the University or from other accredited educational institutions.

A requirement for the status of degree candidate at the Master's graduate level is an undergraduate program of study equivalent to either the B.A. or B.S. degree. Possession of a Master's degree is required for matriculation in a Certificate of Advanced Graduate Study program.

The purpose of the Graduate Program is to offer facilities for advanced instruction, study, and research so that students may receive a comprehensive view of the field of knowledge in which they are working. Here also students may acquire the techniques needed for independent investigation in their fields of interest.

Candidates for graduate degrees must complete within five years after the start of graduate course work a program of study approved by their program director and their faculty advisor.

Interdisciplinary graduate courses may be applied to the graduate education degrees at Suffolk University, subject to the approval of the Program Director.

The completion of a minimum of thirty to thirty-six hours of graduate work is required. Any grade less than a B (but not less than a C) must be offset by the appropriate honor grade in order to maintain graduate degree candidacy. Continuance of degree candidacy status requires that only a maximum of six semester credits less than B may be offset in this manner. Should a student earn a third C grade, his or her continuance in a graduate program is contingent upon the review of the Committee on Admission and Retention, with a recommendation from the appropriate Program Director. A minimum grade of B is required in all field experiences. Graduate students must have a minimum of a B in all pre-practicum courses in order to qualify for the student teaching practicum. The Department wishes to emphasize that it reserves the right to require the withdrawal of a student from a graduate program if in its estimation the probability of their success is doubtful. Such factors as academic performance, interest, effort and suitability for the field enter into the judgment.
Massachusetts Certification  All of Suffolk University's programs in teacher preparation and School Counseling are accredited by the State Department of Education. Thus graduates are eligible for certification in Massachusetts. However, application for certification must be made by the graduate directly to the State Department. In addition to the application, a practicum report and an official transcript of graduate level work must also be submitted. The State Department also requires a fee, proof of citizenship, proof of good health and sound moral character and possession of a bachelor's or higher earned degree. Specified programs in Education have been approved by the State Department of Education for inclusion in the reciprocity privileges of the Interstate Certification Compact.

Master of Education Degree

Concentrations in Administration and Supervision

Objectives: These concentrations have been developed to provide appropriate competencies for managers in public schools, public and private higher education, and a broad variety of human service agencies.

Courses in the program have been designed to stress the basic management functions of planning, organizing, staffing, supervising and evaluating as those activities are carried on in education and human service settings.

Description: Candidates can generally expect to complete degree requirements in two years of part-time study, although shorter or longer durations are possible. The minimum program requirement is 36 semester hours of credit. Individuals are responsible for planning their programs in consultation with Professor Joseph M. McCarthy.

Education/Human Service Administration and Supervision

Description: Designed to prepare personnel for administrative roles in schools, educational agencies, and human service settings. Does not lead to state certification in school administration.

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 6 Sem. Hrs.
EHS 600 — Educational Management  OR  EHS 603 — Leadership
EHS 614 — Supervision

Restricted Electives: 12 Sem. Hrs.
To be chosen by the student in consultation with the advisor.

Field Experience: 9 Sem. Hrs.
EHS 641 — Professional Development Field Experience  OR  EHS 645 — Practicum in Administration

Higher Education Administration

Description: Designed to provide competencies for those filling posts in admissions, alumni, development, financial aid, housing, placement, registrar's and student activities offices from the junior/community college level to the university.

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 6 Sem. Hrs.
EHS 625 — Organization and Administration of Higher Education
EHS 626 — Legal Problems of Higher Education

Restricted Electives: 12 Sem. Hrs.
To be chosen by the student in consultation with the advisor.
Field Experience: 9 Sem. Hrs.
EHS 644 — Professional Development Field Experience
OR
EHS 646 — Self-Assessment and Career Development
EHS 645 — Practicum in Administration

Professional Teacher Development Concentration

Objectives: This concentration provides teachers and trainers in all sectors of society with insights, skills and field experiences necessary to improve knowledge and competencies in all aspects of their professional performance. Persons who are concerned with human development and/or the generation of educational/training programs will likewise find this a useful option.

Description: Candidates can complete their degree requirements in one calendar year of full-time study or on a part-time basis. A minimum program is 30 semester hours. Degree candidates initiating studies must meet with Professor Joseph M. McCarthy, Program Director, to plan and record a suitable program of studies, and must consult with him at all stages of their progress.

Program of Studies:

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 6 Sem. Hrs.
EHS 644 — Professional Development Field Experience
EHS 646 — Self-Assessment and Career Development

Electives: 15 Sem. Hrs.
Electives to be taken will be chosen by the individual student in consultation with the Program Director according to the student’s particular needs and interests.

School Counseling Concentration

Objective: The concentration in School Counseling trains students to function effectively as counselors in public and private schools.

Description: Masters degree candidates may complete their degree requirements in three semesters of full-time study, although a longer period of time can be taken by students enrolling on a part-time basis. School counseling students planning to enroll full-time during the Fall semester must complete the Human Relations Laboratory (EHS 737) plus two courses during the previous Spring semester to be eligible to enroll in Practicum I (EHS 738) in the Fall.

A minimum program involves 36 semester hours of work, depending on undergraduate preparation. All students wishing to apply for degree status are encouraged to interview with Dr. Arthur Winters prior to acceptance. Degree candidates are advised to consult with members of the faculty at all stages of their program.
Waiver — School Counseling: Suffolk University’s School Counseling program has received approval from the Massachusetts State Department of Education to waive components of the programs for those individuals who can document life and work experiences and/or course work relating to the standards and criteria for secondary school counselor certification.

- Components of the field of knowledge requirement (subject-matter competencies) may be waived through competency tests, documentation of life experiences, and/or evaluation of credits from other institutions.

- Components of the pre-practicum requirement may be waived through documentation of life and counseling-related experiences and/or evaluation of credits from other institutions.

- A minimum of 1/2 practicum (225 clock hours, EHS 738 — Practicum I) is required.

Required Core Courses: 9 Sem. Hrs.

- EHS 711 — Critical Issues in Education and Human Services
- EHS 712 — Life-Span Development
- EHS 715 — Methods of Research

Concentration Requirements: 12 Sem. Hrs.

- EHS 710 — Introduction to School Counseling
- EHS 713 — Counseling: Theory and Practice
- EHS 717 — Psychological Tests in Human Relations
- EHS 737 — Human Relations Laboratory

Electives: 9 Sem. Hrs.

- EHS 714 — Psychology of Vocational Development
- EHS 716 — Psychopathology
- EHS 721 — Training and Development in Human Resources
- EHS 724 — Human Relations in Organizations
- EHS 726 — Family Counseling
- EHS 727 — Substance Abuse
- EHS 728 — Legal Aspects of Human Services
- EHS 729 — Human Sexuality
- EHS 734 — Seminar in Counseling and Human Relations
- EHS 735 — Group Counseling: Theory and Process
- EHS 736 — Consultation
- EHS 746 — Advanced Assessment
- EHS 750 — Independent Study: Human Relations
- EHS 753 — Independent Study: Human Relations
- EHS 755 — Counseling and Human Relations Institute

(Course work in related disciplines may be elected subject to approval of faculty advisor.)


- EHS 738 — Practicum I
- EHS 739 — Practicum II

Competence in counseling skills is acquired during Human Relations Laboratory (EHS 737), the Practicum classes, (EHS 738 and EHS 739), and field experience. It is during this time that a student, fully admitted into the program, demonstrates ability to translate training into professional judgments and techniques. Students are required to apply formally for Practicum and to consult with their Faculty Advisor regarding their field placement.

All part-time students must successfully complete twelve semester hours prior to the Practicum experience.

Students in School Counseling must successfully complete a minimum of nine semester hours, which may include EHS 737 — Human Relations Laboratory, EHS 710 — Introduction to School Counseling, EHS 714 — Psychology of Vocational Development, and EHS 717 — Psychological Tests in Human Relations.
Prior to eligibility for Practicum a cumulative average of B or above is required. Any grade less than B must be offset by an A grade, and all incomplete grades must be successfully completed prior to eligibility for Practicum.

During the Practicum aspect of training the provision of earning a C grade that may be offset by an A grade does not apply. Practicum must be completed with a grade of no less than B. Unsatisfactory performance during Practicum results in repeating the course.

Master of Science Degree

Concentrations in Business Education

General Description: Concentrations in Business Education offer advanced preparation for business professionals in curriculum design, information systems, teaching methodology, and research. Each program is open to individuals who have earned a bachelor’s degree and who are currently employed or wish to pursue careers in business education at secondary and post-secondary institutions, community-based programs, adult education settings, and staff development and training positions in business and industry.

Candidates in Business Education select one of the following concentrations:

- Business Education — General Program
- Business Education — Adult/Continuing Education Program
- Business Education — Information Management Program
- Business Education — Teacher Certification Programs

General Requirements

The minimum requirement for candidates who hold a teaching certificate and/or bachelor’s degree in business education is 30 semester hours.

Candidates seeking teacher certification in business education and individuals with a bachelor’s degree in another discipline may require additional courses which include: subject matter (when appropriate), field-based pre-practica, and student teaching.

A detailed description of the requirements is outlined under each concentration.

Degree candidates are advised to consult with Dr. Barbara F. Ash, Director, Programs in Business Education.

Business Education — General Program

Description: This option provides advanced preparation for business educators in curriculum design, research, and teaching methodologies. The curriculum in this option is also tailored to meet the needs of individuals re-entering the business education profession.

Required Courses: 9 Sem. Hrs.

- EHS 711 — Critical Issues in Education and Human Services
- EHS 712 — Life-Span Development
- EHS 715 — Methods of Research

Concentration Requirements: 6 Sem. Hrs.

- EHS 655 — Research Seminar in Business and Office Education
- EHS — Research and Improvement in
Electives 15 Sem. Hrs.

Approved Business Education Electives are selected in consultation with the faculty adviser and are individualized to meet student needs and interests.

At the discretion of the Director of Business Education, six (6) hours of transfer credit at the graduate level relating to the program may be approved PRIOR TO MATRICULATION.

EHS 510 — Office Administration
EHS 514 — Economic Education: Content and Methods
EHS 515 — Office Education Internship for Business Educators
EHS 517 — Business Communications
EHS 518 — Microcomputers for Business Education
EHS 519 — Information Resource Management
EHS 521 — Individualized Instruction for Business Education
EHS 522 — Continuing Education for Business
EHS 523 — Teaching Methodology and Instructional Materials for Adult Business Education
EHS 524 — Conference and Workshop Organization and Public Relations
EHS 525 — Microcomputer Applications for Business Education
EHS 526 — Methods of Teaching Information Processing
EHS 650 — Curriculum Construction and Current Issues and Trends in Business Education
EHS 655 — Research and Improvement in Shorthand-Transcription Instruction
EHS 656 — Research and Improvement in Bookkeeping, Accounting, Data Processing, and Business Mathematics Instruction
EHS 660 — Administration and Supervision of Business Education Programs
EHS 663 — Business Education for Teachers of Students with Special Needs
EHS 668 — Introduction to Office Technologies
EHS 669 — Personnel Administration for Business
EHS 673 — Word and Information Processing: Principles and Concepts
EHS 674 — Applications for the Personal Computer
EHS 677 — Telecommunications and Integrated Office Systems
EHS 700 — Business Education: Independent Projects

Business Education — Adult/-Continuing Education Program

Description: This program is designed for those business education professionals seeking competencies and skills for teaching the adult learner. This program is particularly well suited for teachers and administrators employed in community and junior colleges, community-based agencies, and staff development and training programs in industry.

Required Core Courses: 9 Sem. Hrs.

EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 9 Sem. Hrs.

EHS 523 — Teaching Methodology and Instructional Materials for Adult Business Education
EHS 524 — Conference and Workshop Organization and Public Relations
EHS 655 — Research Seminar in Business and Office Education

Electives: 12 Sem. Hrs.

See specifications and list under “Business Education — General Program.”

Business Education — Information Management Program

Description: This option provides advanced preparation for business educators and those in training-related positions in business and industry. Concentration requirements focus on competencies in systems technology related to the changing office environment.

Required Core Courses: 9 Sem. Hrs.

EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research
Concentration Requirements: 9 Sem. Hrs.
EHS 655 — Research Seminar in Business and Office Education
EHS 519 — Information Resource Management
EHS 536 — Methods of Teaching Information Processing

Electives: 12 Sem. Hrs.
See specifications and list under “Business Education — General Program.”

Business Education — Teacher Certification Programs

Description: This option is designed for individuals seeking certification in business education. The curriculum is also tailored to persons who hold a bachelor’s degree in a discipline other than business and office education. Depending on the interest and academic background of the candidate, certification may be obtained in one of the following areas: teacher of business, teacher of secretarial skills, or teacher of business management. For candidates who have met the subject-matter requirement, the degree program requires 39+ hours. Candidates who do not meet the subject-matter requirement will require additional courses and/or documentation of experience relating to the field of knowledge.

Subject-Matter Requirement: 36 Sem. Hrs.
Completion of 36 hours of course content in one of the following areas:
- Business and Secretarial Skills (Teacher of Business Certificate 5-12)
- Secretarial Skills (Teacher of Secretarial Skills Certificate 5-12)
- Business Administration/Management (Teacher of Business Management Certificate 5-12)
*Note: This requirement may be waived for those who have previously taken courses matching the content requirement in one of the above areas. Subject-matter requirements may be partially fulfilled in the course EHS 520 — Business Education Subject Competencies.

Teacher of Business Certificate 5-12
(39+ Semester Hours)

*Field of Knowledge Requirement (36 Hours). (Business and Secretarial Skills).

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Required Pre-Practicum Courses: 21 Sem. Hrs.
EHS 503 — Foundations of Education
EHS 504 — Educational Psychology
EHS 656 — Research and Improvement in Basic Business Instruction
EHS 507 — Reading, Communication and Mathematic Skills for Secondary Teachers
EHS 657 — Research and Improvement in Shorthand-Transcription Instruction
EHS 658 — Research and Improvement in Keyboarding Instruction
EHS 659 — Research and Improvement in Bookkeeping, Accounting, Data Processing, and Business Mathematics Instruction
Required Internship or Practicum: 9 Sem. Hrs.
EHS 500 — Practicum (Secondary Student Teaching)
OR
EHS 515 — Internship

*Note Subject Matter (Field of Knowledge Requirements) may be partially filled in the course EHS 520, Business Education Subject Competencies. Experienced professionals may fulfill competencies and pre-practicum course requirements in the course EHS 525, Business Education Teaching Competencies.

Teacher of Secretarial Skills Certificate 5-12
(39 Sem. Hours)

*Field of Knowledge Requirement (36 Hours). (Secretarial Skills).

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Required Pre-Practicum Courses: 21 Sem. Hrs.
EHS 503 — Foundations of Education
EHS 504 — Educational Psychology
EHS 656 — Research and Improvement in Basic Business Instruction
EHS 507 — Reading, Communication, and Mathematics Skills for Secondary Teachers
EHS 657 — Research and Improvement in Shorthand-Transcription Instruction
EHS 658 — Research and Improvement in Keyboarding Instruction
EHS 536 — Methods of Teaching Information Processing

Required Internship or Practicum: 9 Sem. Hrs.
EHS 500 — Practicum (Secondary Student Teaching)
OR
EHS 515 — Internship

*Note Subject-Matter (Field of Knowledge Requirements) may be partially filled in the course EHS 520, Business Education Subject Competencies. Experienced professionals may fulfill competencies and pre-practicum course requirements in the course EHS 525, Business Education Teaching Competencies.

Teacher of Business Management Certificate 5-12
(39 Sem. Hours)

*Field of Knowledge Requirement (36 Hours). (Business Administration/Management).

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Required Pre-Practicum Courses: 21 Sem. Hrs.
EHS 503 — Foundations of Education
EHS 504 — Educational Psychology
EHS 656 — Research and Improvement in Basic Business Instruction
EHS 507 — Reading, Communication, and Mathematics Skills for Secondary Teachers
EHS 658 — Research and Improvement in Keyboarding Instruction
EHS 515 — Economic Education: Content and Methods
EHS 659 — Research and Improvement in Bookkeeping, Accounting, Data Processing, and Business Mathematics Instruction

Required Internship or Practicum: 9 Sem. Hrs.
EHS 500 — Practicum (Secondary Student Teaching)
OR
EHS 515 — Internship

*Note: Subject-Matter (Field of Knowledge Requirements) May be partially filled in the course EHS 520, Business Education Subject Competencies. Experienced professionals may fulfill competencies and pre-practicum course requirements in the course EHS 525, Business Education Teaching Competencies.
Concentration in Counseling and Human Relations

Objectives: The concentration in Mental Health Counseling trains students to function in a variety of community mental health settings (e.g., clinics, hospitals, prisons, colleges, rehabilitation, out reach, after care, etc.). The concentration in Human Resource Development trains students to function effectively as human resource specialists in a variety of industrial settings (e.g., training, organizational development, consultation, employee assistance programs, career development, etc.). The concentration in Aviation Systems offers training in human factors methods and managerial techniques as applied in airline, F.A.A. and airport settings. Emphasis is on establishing and maintaining effective communication and productive interaction among professionals and managers in the aviation industry. In each degree program the ability to work with people in a variety of settings and roles will be cultivated. During the course of training, students will engage in a period of self-examination to become keenly aware of their own needs and personality structure and how they relate these features to the helping professions. Through systematic completion of the curriculum, students will develop a competency base from which to perform effectively in their area of specialization.

Description: Masters degree candidates may complete their degree requirements in three semesters of full-time study, although a longer period of time can be taken by students enrolling on a part-time basis.

A minimum program involves 36 semester hours of work, depending on undergraduate preparation. All special non-degree students wishing to apply for degree status are encouraged to interview with Dr. Arthur Winters, or with a member of the Counseling and Human Relations faculty prior to acceptance. Degree candidates are advised to consult with members of the faculty at all stages of their program.

Mental Health Counseling

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 12 Sem. Hrs.
EHS 713 — Counseling: Theory and Practice
EHS 716 — Psychopathology
EHS 717 — Psychological Tests in Human Relations
EHS 737 — Human Relations Laboratory

Electives: 9 Sem. Hrs.
EHS 710 — Introduction to School Counseling
EHS 714 — Psychology of Vocational Development
EHS 716 — Psychopathology
EHS 721 — Training and Development in Human Resources
EHS 726 — Family Counseling
EHS 724 — Human Relations in Organization
EHS 727 — Substance Abuse
EHS 728 — Legal Aspects of Human Services
EHS 729 — Human Sexuality
EHS 734 — Seminar in Counseling and Human Relations
EHS 735 — Group Counseling: Theory and Process
EHS 736 — Consultation
EHS 746 — Advanced Assessment
EHS 750 — Independent Study: Human Relations
EHS 753 — Independent Study: Human Relations
EHS 755 — Counseling and Human Relations Institute
(Course work in related disciplines may be elected subject to approval of faculty advisor.)

EHS 738 — Practicum I
EHS 739 — Practicum II
Human Resources Development
—Industry

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 12 Sem. Hrs.
EHS 713 — Counseling: Theory and Practice
EHS 714 — Psychology of Vocational Development
EHS 724 — Human Relations in Organizations
EHS 736 — Consultation

Electives: 9 Sem. Hrs.
See list under “Mental Health Counseling.” Also — EHS 717 — Psychological Tests in Human Relations.

EHS 738 — Practicum I
EHS 739 — Practicum II

Human Resources Development
—Aviation Systems

Required Core Courses: 9 Sem. Hrs.
EHS 711 — Critical Issues in Education and Human Services
EHS 712 — Life-Span Development
EHS 715 — Methods of Research

Concentration Requirements: 15 Sem. Hrs.
SOC 520 — Airport and Community Development
SOC 521 — Seminar in Human Factors Methods
SOC 530 — Aviation Internship
EHS 713 — Counseling: Theory and Practice
EHS 724 — Human Relations in Organizations
EHS 737 — Human Relations Laboratory

SOC 386 — Human Factors in Aviation Systems
SOC 387 — Seminar in the Sociology of Aviation
SOC 388 — Legal Forces and Aviation Systems
EHS 603 — Leadership
EHS 617 — Personnel Management
EHS 623 — The Manager and the Organization
EHS 669 — Personnel Administration for Business
EHS 673 — Word and Information Processing: Principles and Concepts
EHS 714 — Psychology of Vocational Development
EHS 721 — Training and Development in Human Resources
EHS 727 — Substance Abuse
EHS 729 — Human Sexuality
EHS 734 — Seminar in Counseling and Human Relations
EHS 735 — Group Counseling: Theory and Process

EHS 738 — Practicum I
EHS 739 — Practicum II

Competence in human relations skills is acquired during the Human Relations Laboratory (EHS 737), the Practicum classes (EHS 738 and EHS 739) and field experience. It is during this time that a student, fully admitted into the program, demonstrates ability to translate training into professional judgments and techniques. Continuing students are required to apply formally for Practicum and to consult with their Faculty Advisor regarding their field placement.

All part-time students must successfully complete twelve semester hours prior to the Practicum experience.

Prior to eligibility for Practicum a cumulative average of B or above is required. Any grade less than B must be offset by an A grade, and all incomplete grades must be successfully completed prior to eligibility for Practicum.

During the Practicum aspect of training the provision of earning a C grade that may be offset by an A grade does not apply. Practicum must be completed with a grade of no less than B. Unsatisfactory performance during Practicum results in repeating the course.
Massachusetts Certification in Secondary School Teaching

In addition to the certification programs in Business Education delineated in the previous sections, individuals who have attained bachelors degrees in various other academic disciplines may also become certified through Suffolk University to teach in the public secondary schools of Massachusetts. These other academic disciplines are: mathematics, physics, biology, chemistry, English, behavioral sciences, history, geography, earth science, French, German, Spanish, Italian, Russian, Polish, Portuguese, Latin and classical humanities, music, art.

Each individual’s undergraduate transcript must be reviewed and evaluated, and a program planned and monitored through periodic meetings of the student with an advisor from the Education and Human Services Department of the University and an advisor from the relevant academic discipline. Students must meet the State competency requirements both for the discipline chosen which generally involves the equivalent of an undergraduate major in the particular area, and for the Education Sequence which involves a certain set of Education and related field courses or their equivalents.

The Education Sequence composes the following 30 semester hours of courses:
- EHS 503* Foundations of Education
- EHS 504 Educational Psychology
- EHS 505* -506 Curriculum and Methods of Secondary Education
- EHS 507* Reading, Communications and Mathematics Skills for Secondary Teachers
- ENG 101 English Composition**
- CS 103 Rhetoric and Communication**
- EHS 500 Practicum (9 semester hours)

*These courses are labelled “pre-practicum” contain substantial amounts of field experiences and must be taken prior to EHS 500 (Practicum).
**These courses are required Suffolk University undergraduate courses for which most other Universities have equivalents.

The Field Experience

9 Semester Credit Hours of Practicum are required. These are normally the culmination of the Education Sequence and are accomplished under either a conventional Student Teaching format comprised of 300 clock hours of supervised teaching, or an Internship comprised of 150 clock hours of supervised teaching combined with a part-time paid teaching position.

Apprenticeship

The Education Sequence and Practicum would also be available for an individual who qualifies for this individually developed plan agreed to by a school systems, the University, and the State Department of Education, and is comprised of a paid position in a school system for a specified time period while the individual is engaged at the University in taking any necessary courses.
(Note: Due to potential developments at the time of this writing in the guidelines for certification of teachers, it is important that prospective secondary teachers see the Education advisor at the University in order to verify that the above stated procedures for gaining certification are still valid, and to adapt the individual’s study plan accordingly.)

Certificate of Advanced Graduate Study

The Certificate of Advanced Graduate Study in the Counseling and Human Relations, Leadership, Teacher Mentoring, or Office Technologies and Administrative Services concentrations, is designed to provide preparation for those candidates who have a master’s degree in education and human services related specialized fields.

Goal: The CAGS is designed for the practitioner as an individually oriented program to meet the needs of advanced students in their field of specialization. The completion of thirty semester hours of graduate study is required. Additional hours may be required at the discretion of the faculty advisor.

Description of the Program: Advanced students, with an assigned advisor in their field of specialization, will carefully plan and maintain a program of study. Course selection and progress will be reviewed regularly by the student and their advisor.

In accumulating the minimum program of thirty semester hours the student may be engaged in either full-time or part-time study. Full-time study is designed to result in completion of the program in one academic year.

Candidates must complete all courses with a minimum grade of B. The faculty reserves the right to withdraw a student from the program if there is evidence that the possibility of success is doubtful. Deficiencies in Advanced Practicum and academic performance enter into the CAGS faculty committee judgment.

A candidate may transfer a maximum of six semester hours of graduate study from other institutions of higher learning at the discretion of their faculty advisor.

The three major components of the CAGS Program are as follows:

1) Required Coursework (12 Semester hours)
   - EHS 640 — Writing for Professional Publication 3 credits
   - EHS 740 — Advanced Practicum I 3 credits
   - EHS 741 — Advanced Practicum II 3 credits
   - EHS 742 — Professional Development Seminar 3 credits

2) Elective Coursework (18 semester hours) in one of the four concentrations selected with faculty advisor consultation.

3) Comprehensive Oral Review — The CAGS Faculty Committee, comprised of the faculty advisor and a representative from each of the other graduate programs in the Education and Human Services Department, will at the conclusion of the program of study, review competencies and provide a forum for the exchange of ideas.
Advanced Practicum: This field experience is a yearlong commitment of fifteen hours per week, comprised of a two-semester Advanced Practicum I & II (EHS 740 & 741) sequence. Students, in conjunction with their faculty advisor, will select a field placement that will maximize their learning through observation, on-site supervision, and direct service application. Individual and group supervision meetings with faculty and students will enhance this essential component of the degree program.

Graduate Course Description

Education and Human Services 500 — Practicum (Secondary Student Teaching). The practicum experience must be full-time for one semester and include at least 300 clock hours in a secondary public school setting. The course may be taken by undergraduate seniors and graduate students. 1 term — 9 semester hours. Normally offered yearly.

Education and Human Services 503 — Foundations of Education. Introduction to the organization, role and purposes of education in American society. Considers the philosophical, historical, and social foundations of education. Develops an awareness of teaching the culturally diverse and special needs student. Five observations required. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 504 — Educational Psychology. Examines the nature and development of human abilities and the teaching-learning process. Considers the facts and generalizations of child and adolescent growth and development. Field observations required. 1 term — 3 semester hours. Normally offered yearly.


Education and Human Services 507 — Reading, Communication, and Mathematics Skills for Secondary Teachers. Purposeful individualization of instruction and evaluation of achievement in readings, communication and mathematics skills. Pre-practicum field experiences required. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 510 — Office Administration. Organization and management of office systems, including work measurement, work simplification, office standards, layout, design, and the supervision of office personnel. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 514 — Economic Education: Content and Methods. Review of economic theory and major issues. Demonstrations, development of classroom materials and media. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 515 — Office Education Internship for Business Educators. Designed for business educators in all options who need to update or obtain practical full-time business experience. Required for non-teaching majors. The field state must be approved by the Internship Supervisor. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 517 — Business Communications. Specialized writing skills required in the business environment. Business writing styles and overcoming barriers to communications. Composition of resumes, memoranda, business letters, and reports. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 518 — Microcomputers for Business Education. Introductory course in the application of microcomputers to Business Education and their integration into the business curriculum. Analysis of current business education software. Hands-on experience and development of programming capabilities using the LOGO and BASIC programming languages on microcomputers. 1 term — 3 semester hours. Normally offered yearly off campus.
Education and Human Services 519 — Information Resource Management. A study of paper and non-paper records from creation to destruction. Examines the growth of computer-assisted retrieval of records and information and the use of micrographics for both active records systems and information storage systems. An examination of the integration of electronic technologies for records processing and control. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 520 — Business Education Subject Competencies. Documentation and/or demonstration of specific competencies in the field knowledge (subject matter) for teacher certification. Skills assessment. Students work independently to meet competencies. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 521 — Individualized Instruction for Business Education. Multimedia resources for individualized and independent instruction. Preparation of audio-tutorial projects, learning contracts, and LAPS. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 522 — Continuing Education for Business. Continuing Education for the business related professions. Introduction to needs analysis. Design, implementation, and marketing of adult business education programs. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 523 — Teaching Methodology and Instructional Materials for Adult Business Education. Methods of teaching business subjects to the adult learner. Special characteristics of the adult learner and appropriate instructional materials and techniques. 1 term — 3 semester hours. Normally offered summer session.

Education and Human Services 524 — Conference and Workshop Organization and Public Relations. Introduction to organizing conferences, workshops, seminars, and training programs for business and industry. Promoting and marketing educational programs. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 525 — Business Education Teaching Competencies. Documentation and/or demonstration of pre-practicum courses and competencies required for teacher certification. 1 term — 3-6 semester hours. Normally offered yearly.

Education and Human Services 535 — Microcomputer Applications for Business Education. Examines the three most popular software packages: word processing, spreadsheets, and database management used on various personal computers. Students will gain hands-on experience and become competent users of these integrated software packages. Prerequisite: Education and Human Services 518. 1 term — 3 semester hours. Normally offered yearly off campus.


Education and Human Services 600 — Management in Education and Human Services. This course provides students with basic skills in analyzing organizational structures and behaviors in Education and Human Services, engaging in self-analysis of administrative skills, fostering organizational change, and program planning and managing. 1 term 3 semester hours. Normally offered alternate years.

Education and Human Services 603 — Leadership. Trait-factor, group and situational theories of leadership are explored in the context of team-building, participatory decision-making, staff development, resource allocation, and future planning. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 604 — Communication. Culture-based study of the needs, assumptions and communication behaviors of various educational constituencies provides the basis for development of effective communication with professional colleagues and improvement of school-community relations. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 609 — Legal Aspects of Teaching. Examines legal problems facing administrators including tort liability, rights of teachers and students, contracts, tenure, confidentiality of records and legal aspects of hiring and discrimination. 1 term — 3 semester hours. Normally offered alternate years.
Education and Human Services 610 — Discipline in Schools. The course explores the role of administrators and teachers in promoting effective positive discipline to foster learning. Philosophical and legal considerations provide the basis for an eclectic approach to practical techniques. 1 term — 3 semester hours. Normally offered every third year.

Education and Human Services 613 — Legal Aspects of Educational Administration. Examines legal problems facing administrators, including tort liability, rights of teachers and students, contracts, tenure, confidentiality of records, and legal aspects of expenditure, hiring, and discrimination. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 614 — Supervision. A field-based introduction to the theory and technique of improving the professional performance of Education and Human Services personnel through use of humanistic supervision methods emphasizing supportive communication and use of recent research in supervision. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 615 — The Principalship. Considers the role and function of the principal, stressing personnel management, staff development and supervision, organizational development, school-community relations, and managerial accountability. Field-based study of the principalship at the appropriate level is required. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 616 — Advanced Supervision. Explores cross-cultural dimensions of supervision, special problems and techniques in employee motivation, strategies for dealing with problem personnel, modes of coping with job actions/strikes, and other difficult supervision situations. 1 term — 3 semester hours. Normally offered every third year.

Education and Human Services 617 — Personnel Management in Education and Human Services. Problems of recruiting, selecting, developing and evaluating personnel are treated, with emphasis on supportive supervision and effective communication. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 619 — Proposal Writing and Grant Development. Surveys public and private sources of contracted funding for research and development and provides experience in project planning and proposal writing. Management of contractual funds is covered. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 623 — The Manager and the Organization. Group activities and simulations directed at analysis and solution of case studies of common problems confronting managers in education and human services. 1 term — 3 semester hours. Normally offered every third year.

Education and Human Services 625 — Organization and Administration of Higher Education. The interplay of organizational characteristics, structures and modes of financing will be explored in this course as a means of elucidating the application of administrative theories in higher education. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 627 — Junior/Community College: Processes and Problems. Examines the rationale, role, structure and function of public and private two-year institutions, with attention to the sociology of student populations, curricular and instructional trends, administrative problems, and future planning. 1 term — 3 semester hours. Normally offered every third year.

Education and Human Services 628 — Crucial Issues in Higher Education. Examines major current issues of social policy and institutional management in higher education as well as proposals for their resolution. 1 term — 3 semester hours. Normally offered every third year.

Education and Human Services 633 — Women in Higher Education. Examines the changing role of women faculty, administrators and students in colleges and universities, with historical and current material on socialization, career and educational patterns, and legal issues. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 634 — Student Development/Service in Higher Education. This course will explore theories, rationales, and methods of student development in higher education, as well as the organization and administration of student personnel services. 1 term — 3 semester hours. Normally offered alternate years.
Education and Human Services 635 — Field Project: Organizational Analysis. Intensive study of the structure and functioning of an educational-human service institution or organization, with special references to finance, leadership, communication, and diagnosis of organizational problems. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 636 — Field Project: Organizational Development. Intensive study of methods and models of organizational change resulting in a detailed prescription for organizational development activities in a specific educational/human services institution or organization. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 638 — Field Project: Higher Education. Advanced individual study of a problem in higher education, including provision for application in specific institution or higher education agency. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 639 — Writing for Professional Publication. Individualized study of research/development dissemination media and preparation of a publishable report or article. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 640 — Readings and Research. Advanced individual directed study of a topic of particular interest to education/human service professionals. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 644 — Professional Development Field Experience. Intensive study of alternative ways of carrying out educational roles, including observations and thorough analysis of a given organization, institution, or program. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 645 — Practicum in Administration. Application of administrative skills in an appropriate field placement under guidance of a cooperating administrator and a university supervisor. 1 term — 6 semester hours. Normally offered yearly.

Education and Human Services 646 — Self-Assessment and Career Development. Explores techniques for clarifying personal strengths, skills and interests, and developing a career enhancement plan based on them. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 650 — Curriculum Construction and Current Issues and Trends in Business Education. Identification and evaluation of technological developments and current issues and trends affecting the business education curriculum. Development of instructional programs at various levels (5-12 and post secondary) and for public and private institutions. 1 term — 3 semester hours. Normally offered in alternate years.


Education and Human Services 656 — Research and Improvement in Basic Business Instruction. Study of objectives, content methods, teaching aids, and evaluation procedures for general business, business law, consumer education, economics, and economic geography. Demonstration of teaching techniques. Analysis of research related to instructional strategies. 1 term — 3 semester hours. Normally offered alternate years.


Education and Human Services 658 — Research and Improvement in Keyboarding Instruction. Study of the psychological principles pertaining to learning keyboarding. Evaluation and measurement. Review of significant research. Motivational techniques, demonstrations, and effective use of media for individualized and group instruction. 1 term — 3 semester hours. Normally offered yearly.
Education and Human Services 659 — Research and Improvement in Bookkeeping, Accounting, Data Processing, and Business Mathematics Instruction. Study of objectives, methods, teaching aids, and content in bookkeeping, accounting, data processing and business mathematics. Analysis and evaluation of current research. Motivational techniques, demonstrations, and effective use of media for individualized and group instruction. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 660 — Administration and Supervision of Business Education Program. Administration and supervision of business education department and programs. Staffing, public relations, advisory committees, inventories, equipment selection, and supervisory problems. Case studies and field experience. Sources of funding and grant preparation. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 663 — Business Education for Teachers of Students with Special Needs. This course will assist business education teachers in examining their attitudes toward special needs students and prepare them to meet the challenge of providing these students with appropriate vocational programs. Development of instructional materials. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 668 — Introduction to Office Technologies. Developments in electronic technology and its impact on management and employees. Survey of technological advances in word processing, micrographics, reprographics, data processing, and telecommunications. Impact of technology on interpersonal relationships and communications. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 669 — Personnel Administration for Business. The study of the personnel function in organizations, including manpower needs, staffing and development, organization and individual appraisal, employee compensation and benefits, safety and health, approaches to employee problems, and labor relations. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 673 — Word and Information Processing: Principles and Concepts. Introduction to word processing and its role in modern information systems in both the small and large business firm. The organization of word/information processing systems, preparation of personnel, and evaluation of equipment. Case studies, guest speakers, and field trips with hands-on equipment experience. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 674 — Applications for the Personal Computer. Advanced hands-on experience covering the various aspects, productivity tools, and applications of the personal computer. Students will gain experience using software packages for word processing, spread sheets, and data-base management. Prerequisite: Education and Human Services 324 or 658. 1 term — 3 semester hours. Normally offered summers off campus.

Education and Human Services 677 — Telecommunications and Integrated Office Systems. The student will gain exposure to the communication and linkages of the computer in the office environment. Special attention to the integration of word, data, image, and voice processing. Telecommunications for interactive multi-function work stations. 1 term — 3 semester hours. Normally offered summers.

Education and Human Services 700 — Business Education: Independent Projects. Advanced individual, intensive study of a problem in business education. Requires written approval by the Director of Business Education. 1 term — 1-3 semester hours. Normally offered summers.

Education and Human Services 710 — Introduction to School Counseling. The foundation course for those enrolled in the school counseling program. The philosophical and theoretical foundations for school counseling are investigated, as well as the roles and functions of the school counselor. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 711 — Critical Issues in Education and Human Services. A case/problem approach to major current issues of social policy affecting the delivery of educational and other human services. 1 term — 3 semester hours. Normally offered yearly.
Education and Human Services 712 — Life-Span Development. Explores the intrapsychic, interpersonal and intracultural development tasks and accompanying stresses throughout the life cycle. Integration of developmental theory, research and implications for management, teaching, learning and remediation will be addressed. 1 term — 3 semester hours. Normally offered in the fall semester.

Education and Human Services 713 — Counseling: Theory and Practice. Analysis of selected counseling theories representative of the field of counseling psychology. Theories will be selected from the following areas: Psychoanalytic Theory, Psychosocial Theory, Rational Theory, Learning Theory, and Existential Theory. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 714 — Psychology of Vocational Development. A survey of the various theories of vocational choice and development, and strategies for the implementation of vocational counseling in the school, agency, or business/industrial setting. Historical and current concepts of work and vocational concerns of women and minorities are also investigated. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 715 — Methods of Research. Principles and methods associated with research. Applications to practical situations in the individual areas of student involvement. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 717 — Psychological Test in Human Relations. Evaluating, administering, scoring, interpreting, and reporting results of standardized tests of personality, aptitude and achievement. Self-study, development and assessment of testing programs, appropriate use of computers, and critical issues in testing. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 721 — Training and Development in Human Resources. An overview of the training and development functions within organizations. A systems approach to training and development will be emphasized. Such topics as needs assessment, staffing, training techniques and evaluation will be explored. 1 term — 3 semester hours. Normally offered in alternate years.

Education and Human Services 724 — Human Relations in Organizations. A study of communication styles and patterns within organizations and potential roles for human resource specialists. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 726 — Family Counseling. An overview of the history and an intensive study of selected models of family counseling. Special emphasis will be placed on the acquisition of strategies proven to be effective for counselors in helping families cope with the developmental stresses. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 727 — Substance Abuse. A study of the origin, cause, and ramifications of drug and alcohol abuse. Various stages and manifestations will be considered and current treatment modalities will be explored. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 728 — Legal Aspects of Human Services. An overview of the legal issues confronting counselors, human services providers and administrators. Study of regulatory and licensing matters, confidentiality laws, mental health and disability laws, family law, constitutional issues, malpractice and legal/ethical dilemmas in human services. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 729 — Human Sexuality. The anatomy, physiology and psychology of human sexual functioning are reviewed. Etiology, dynamics, and treatment of the various dysfunctions are studied. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 734 — Seminar in Counseling and Human Relations. The study of selected advanced topics in counseling and human relations, with the emphasis on problem identification, intervention and remediation. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 735 — Group Counseling: Theory and Process. A study of the practical and theoretical aspects of counseling small groups. There will be provision for a laboratory experience in which students participate in an ongoing group and study the dynamics of group development as they are experienced. 1 term — 3 semester hours. Normally offered yearly.
Education and Human Services 736 — Consultation. Study of the counselor as consultant. Particular emphasis is placed on the skill and procedures involved in consultation. The issues faced by the counselor/consultant are also investigated. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 737 — Human Relations Laboratory. An introduction to the fundamental techniques and methods of interpersonal relationships, self-examination, and field visits in relation to the role of counselor. The course will involve skill building through role playing, video and audio taping. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 738 — Practicum I. Application of skills in an assigned field placement (school, agency or industry). Students will spend fifteen hours per week in field work and participate in weekly group sessions at the University for the evaluation of counseling progress. Open only to degree candidates in Counseling and Human Relations. Prerequisite: Education 713 and Education 737. 1 term — 3 semester hours. Normally offered in the Fall semester.

Education and Human Services 739 — Practicum II. Continuation of 738 with an opportunity to assume increased responsibility for clients under supervision. Prerequisite: Education 738. 1 term — 3 semester hours. Normally offered in the Spring semester.

Education and Human Services 740 — Advanced Practicum I. Advanced application of skills in an approved field placement (school, agency or industry). Participation in group sessions for the evaluation of progress. Open only to matriculated CAGS candidates. 1 term — 3 semester hours. Normally offered in the Fall semester.

Education and Human Services 741 — Advanced Practicum II. Continuation of Advanced Practicum I with increased responsibilities. Exploration of an area of individual specialization. Prerequisite: Education 740. 1 term — 3 semester hours. Normally offered in the Spring semester.

Education and Human Services 742 — Professional Development Seminar. Intensive study of career enhancement strategies in consultation with a faculty advisor. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 744 — Supervision Techniques I. Examination of theories and techniques of clinical supervision. Direct responsibility for assisting in the supervision of Master’s Degree students. Prerequisite: CAGS candidacy. 1 term — 3 semester hours. Normally offered in the Fall semester.

Education and Human Services 745 — Supervision Techniques II. Continuation of Clinical Supervision I. Increased responsibility for supervision. Prerequisite: Education and Human Services 744. 1 term — 3 semester hours. Normally offered in the Spring semester.

Education and Human Services 746 — Advanced Assessment. Principles and techniques of selected individual intelligence, personality, and projective tests. Administration, interpretation, computer applications, and psychological report writing. Prerequisite: CAGS candidacy. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 750 — Independent Study — Human Relations. Intensive study of an aspect of counseling and human relations in consultation with a faculty coordinator. 1 term — 3 semester hours. Normally offered in the Fall semester.

Education and Human Services 753 — Independent Study — Human Relations. Intensive study of an aspect of counseling and human relations in consultation with a faculty coordinator. Prerequisite: Education and Human Services 750. 1 term — 3 semester hours. Normally offered in the Spring semester.

Education and Human Services 755 — Counseling and Human Relations Institute. Off-Campus institutes related to current issues in the human services. 1-3 semester hours. Normally offered yearly.

Education and Human Services 775A, 775B — Practicum in Early Childhood Education. For those students who wish additional experience working with young children, an eight week or twelve week practicum in a kindergarten or nursery school program. 8 weeks — 6 semester hours. 12 weeks — 6-9 semester hours. Normally offered yearly.
Education and Human Services 776 — Independent Research, Early Childhood. Conference hours will be held with students and readings will be directed in specific areas of research in early childhood education. Projects of this sort will be authorized only in unusual circumstances and upon the approval of the Department Chairman. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 794 — Social Philosophy of American Education. Explores the interplay of social forms and idea systems in shaping the process of schooling, with particular emphasis upon practical dimensions of social class/ethnic/racial factors in group relations and communication. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 795 — Social Psychology of Education. This course studies the impact of social attitudes, motivations, perceptions, and interaction on learning. Major attention is devoted to the climate of the school and leadership behavior in both school and classroom. 1 term — 3 semester hours. Normally offered in alternate years.

Education and Human Services 800 — Curriculum Development and Evaluation. A study of the principles and techniques of curriculum management analyzing both empirical/behavioral and reconceptualist approaches, with field-based applications of theory. 1 term — 3 semester hours. Normally offered yearly.

Education and Human Services 803 — Teacher Mentoring. Theory and practice of the mentoring relationship in teacher preparation/improvement with emphasis on skills and procedures involved and issues faced by participants. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 804 — Teaching Gifted and Talented Students. Examines strategies and programs for assessing and addressing the needs of students with superior ability. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 806 — Effective Schools. Examines the growing research literature on educational effectiveness, with particular reference to strategies for school improvement. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 807 — The School and Community. Participants will examine the community and the role of the school within the community and will develop a case study of aspects of the school-community in which they teach or reside. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 810 — Field Project: Philosophy of Education. Intensive study of the philosophical assumptions governing goal statements and program structure in an educational endeavor resulting in recommendations for fruitful organizational change. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 813 — Field Project: Sociology of Education. Intensive study of the sociology of disparate educational organizations, with attention to intergroup conflicts and recommendations for appropriate change strategies. 1 term — 3 semester hours. Normally offered alternate years.

Education and Human Services 900 — Directed Studies. Members of the Department will hold conference hours with students and will direct their readings in areas of education research which may be of special interest to them. Projects of this sort will be authorized only in unusual circumstances upon the recommendation of the Department Chairperson and with the approval of the Dean. 1 term — 3 semester hours.
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Kathleen L. Maio, M.L.S., Reference Librarian
Joseph C. Middleton, M.L.S., Reference Librarian
Elisa McKnight, M.L.S., Reference Librarian
Geno A. Ballotti Learning Center
Susan Clark Thayer, B.A., M.Ed., Ed.D., Director
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Peter Caputo, B.A., M.A., Ph.D., Director of Developmental English

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Robert S. Friedman Field Station on Cobscook Bay, Edmunds, Maine

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R. Lester Seeley, Station Manager

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Office of Institutional Research

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Edward P. Farren, Jr., A.S., B.S., Assistant Director

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Edward P. Farren, Jr., A.S., B.S., Chief of Police

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Allison C. Rescigno, Administrative Secretary
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Wendy Sanford, M.T.S., Protestant Campus Minister
Marcia Leous, Catholic Campus Minister
David Chack, Hillel Outreach Director, Jewish Chaplain

Enrollment Management

Dean of Enrollment Management’s Office
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Andrea J. Spears, Admissions Counselor  
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Mary Lou Buckley, A.B., Director of Marketing Services  
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Susan J. Harrington, Assistant Director of Alumni Programs  
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* Sabbatical Leave Fall 1988
** Sabbatical Leave Spring 1989
*** Leave of Absence Spring 1989

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Carl Merrill, Senior Lecturer in Biology and Cobscook Bay Field Station Coordinator. B.S., Suffolk University; M.S., University of Delaware.
Michaei Meyer, Lecturer in Philosophy. B.A., M.A., St. Louis University; Ph.D., Boston University.

Andrew Miller, Lecturer in Education and Human Services. B.S., M.S., Bridgewater State College.

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Brian Moran, Lecturer in Physics. B.A., Suffolk University.

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Cynthia A. Worth, Lecturer in Psychology. B.A., University of Nebraska; M.A., Antioch College.


Bahnman Zangenah, Senior Lecturer in Mathematics and Computer Science. B.S., Northeastern University.

Mohamed C. Zatet, Lecturer in Physics. B.S., Université de Constantine; M.S., Tufts University.

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  Central New England College
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- Dr. Marvin Drake, Mitre Corporation

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- Clark University
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  Department of Political Science
  Lowell University
- Honorable Salvatore Albano
  Massachusetts State Senate
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  Department of Political Science
  Merrimack College
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  Planning Director
  City Hall
  Beverly
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  Women’s Statewide Legislative Network
  Boston
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  Director of County Operations
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- Mr. Chet Garron, Business Manager, Urban Partner Works, Digital Equipment Corporation
- Dr. Gary Marx, Professor, Department of Urban Studies and Planning, Massachusetts Institute of Technology
- Mr. Matthew Regan, Assistant Chief Probation Officer, Boston Municipal Court
- Dr. Catherine Kohler Riessman, Chair, School of Social Work, Smith College
- Dr. Susan Silbey, Associate Professor of Sociology, Wellesley College
- Dr. Anne Harlan, Manager, Human Resources Management Division, Federal Aviation Administration
As a commuter institution, Suffolk University urges students to use public transportation whenever possible. The University is located adjacent to the Massachusetts State House and near the "New Boston" Government Center, only a short walk from MBTA subway stations at Park Street, Government Center, Bowdoin, State Street, Haymarket, Charles Street and North Station. It is also readily accessible by major buslines and railroads.

Students who must commute by automobile may park at the Charles River Plaza Garage and Boston Common Garage.

Persons traveling by car to Suffolk University from outside of Boston should use the following directions:

**From the South** — Southeast Expressway to the North Station exit; Causeway Street to Staniford Street; right onto Cambridge Street to a public parking garage adjacent to Holiday Inn.

**From the North** — Expressway south to Haymarket Square exit; Government Center Garage at exit, or take New Chardon Street to Cambridge Street; right on Cambridge to public parking garage.

**From the West** — Massachusetts Turnpike and Turnpike Extension to Expressway; Expressway north to North Station exit; Causeway to Staniford Street; right onto Cambridge Street to public parking garage.

**To Friedman Lab** — Maine Turnpike to Augusta; Rt. 3 to Belfast; from Rt. 3 Belfast to Rt. 1 North to R.S. Friedman Cobscook Bay Lab, Edmunds, Maine.

**Public Garages** — Government Center, Longfellow Towers — Staniford Street, Charles River Plaza — Cambridge Street.

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**Suffolk University**

1. Archer Building at 20 Derne Street
2. Donahue Building at 41 Temple Street — Law School, Bookstore
3. Student Activities Ridgeway Building at 148 Cambridge Street
4. 56 Temple Street
5. Fenton Building at 32 Derne Street — College of Liberal Arts and Sciences
6. 20 Ashburton Place — Career Services, Co-operative Education, Graduate Admission
7. Frank Sawyer Building at 8 Ashburton Place — School of Management, Accounting, Undergraduate Admission, Cafeteria, Financial Aid, Mildred Sawyer Library, Registrar
8. 11 Beacon Street — Alumni, Development, Grants, Personnel Public Relations.
## Fall Semester 1988

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<th>Event</th>
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<td>June 20-23</td>
<td>Mon.-Thurs. SOM and CLAS New Freshmen Orientation and Registration</td>
</tr>
<tr>
<td>Aug. 15</td>
<td>Monday Last day to apply for Fall quarter admission to Executive MBA/MPA graduate programs</td>
</tr>
<tr>
<td>Aug. 26</td>
<td>Friday Last day for non-degree (CAPS) students to mail register for Fall</td>
</tr>
<tr>
<td>Sept. 29-31</td>
<td>Mon.-Wed. Orientation and Registration (New Transfer Students)</td>
</tr>
<tr>
<td>Sept. 1</td>
<td>Thursday Late registration for continuing students</td>
</tr>
<tr>
<td>Sept. 5</td>
<td>Monday Labor Day Holiday</td>
</tr>
<tr>
<td>Sept. 6</td>
<td>Tuesday Evening classes (4:30 p.m. and later) convene</td>
</tr>
<tr>
<td>Sept. 7</td>
<td>Wednesday Day classes convene</td>
</tr>
<tr>
<td>Sept. 10</td>
<td>Saturday Last day of class, Executive MBA and MPA</td>
</tr>
<tr>
<td>Sept. 16</td>
<td>Friday Last day for late registration</td>
</tr>
<tr>
<td>Sept. 21</td>
<td>Wednesday Last day for course changes</td>
</tr>
<tr>
<td>Sept. 24</td>
<td>Saturday Executive MBA and MPA Fall classes convene</td>
</tr>
<tr>
<td>Sept. 28</td>
<td>Wednesday Last day for filing application for Spring and Summer final make-up exams</td>
</tr>
<tr>
<td>Oct. 10</td>
<td>Monday Columbus Day Holiday</td>
</tr>
<tr>
<td>Oct. 11</td>
<td>Tuesday Tuesday evening classes cancelled. Monday classes (evening only) meet to make up for holiday.</td>
</tr>
<tr>
<td></td>
<td>12-15 Wed.-Thurs. Spring and Summer final examination make-up</td>
</tr>
<tr>
<td>Nov. 1-10</td>
<td>Monday Faculty evaluation of student performance given to each student in each course by this date</td>
</tr>
<tr>
<td>Nov. 14-18</td>
<td>Mon.-Fri. Spring 1989 Registration for students currently attending</td>
</tr>
<tr>
<td>Nov. 15</td>
<td>Tuesday Last day to apply for Spring admission to part-time and full-time evening graduate programs</td>
</tr>
<tr>
<td>Nov. 23-27</td>
<td>Wed.-Sun. Thanksgiving Recess begins 1:00 p.m. Wednesday, November 23 through Sunday, November 27</td>
</tr>
<tr>
<td>Dec. 9</td>
<td>Friday Last classes for Fall Semester</td>
</tr>
<tr>
<td>Dec. 10</td>
<td>Saturday Last day of class, Executive MBA and MPA</td>
</tr>
<tr>
<td>Dec. 12-16</td>
<td>Mon.-Fri. Fall semester final examinations; no exams the preceding week</td>
</tr>
</tbody>
</table>

## Spring Semester 1989

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 7</td>
<td>Saturday Executive MBA and MPA classes convene</td>
</tr>
<tr>
<td>10-11</td>
<td>Tues.-Wed. Orientation and Registration for New Students</td>
</tr>
<tr>
<td>12</td>
<td>Thursday Late registration for continuing students</td>
</tr>
<tr>
<td>16</td>
<td>Monday Martin Luther King Holiday Observed (See February 2 make-up)</td>
</tr>
<tr>
<td>17</td>
<td>Tuesday Day and evening classes convene</td>
</tr>
<tr>
<td>20</td>
<td>Friday Last day for late registration</td>
</tr>
<tr>
<td>27</td>
<td>Friday Last day for course changes. Last day for filing application for Fall final make-up examinations</td>
</tr>
<tr>
<td>Feb. 2</td>
<td>Thursday Tuesday evening classes cancelled. Monday classes (evening only) meet to make up for holiday.</td>
</tr>
<tr>
<td>14-15</td>
<td>Tues.-Wed. Fall final examination make-up</td>
</tr>
<tr>
<td>15</td>
<td>Wednesday Last day to apply for Spring quarter admission to Executive MBA and MPA programs</td>
</tr>
<tr>
<td>20</td>
<td>Monday Washington's Birthday Holiday Observed</td>
</tr>
<tr>
<td>28</td>
<td>Tuesday Faculty evaluation of student performance given to each student in each course by this date</td>
</tr>
<tr>
<td>Mar. 1</td>
<td>Wednesday Last date for undergraduates to complete financial aid application for 1989-1990 school year</td>
</tr>
<tr>
<td>13</td>
<td>Monday Last date for withdrawal without penalty of “F” grade</td>
</tr>
<tr>
<td>17</td>
<td>Friday Evacuation Day Holiday</td>
</tr>
<tr>
<td>18</td>
<td>Saturday Last day of class, Executive MBA and MPA</td>
</tr>
<tr>
<td>19-26</td>
<td>Sun.-Sun. Spring Vacation</td>
</tr>
<tr>
<td>25</td>
<td>Saturday Executive MBA and MPA classes convene</td>
</tr>
<tr>
<td>Apr. 3</td>
<td>Monday Last date for undergraduates to complete financial aid application for 1989-1990 school year</td>
</tr>
<tr>
<td>10-21</td>
<td>Mon.-Fri. Faculty advising and course selection for current students: for Fall 1989 and for Summer Sessions I and II</td>
</tr>
</tbody>
</table>
April 14 Friday Last day to apply for Summer admission to part-time and full-time evening graduate programs

April 10-12 Mon.-Fri. Pre-registration for the Fall 1989 for all current students
May 12 Mail registration for Summer Sessions I and II for current and new students

May 17 Monday Patriots' Day Holiday (See April 18 make-up)
May 18 Tuesday Monday classes (evening only) meet to make up for holiday. Tuesday evening classes cancelled.

May 5 Friday Last day of classes for Spring semester
May 8-12 Mon.-Fri. Final Examinations; no exams the preceding week
May 15 Monday Last day to apply for Fall admission to part-time and full-time evening graduate programs
May 17 Wednesday Last day for faculty to submit Spring grades
May 29 Monday Memorial Day Holiday

June 3 Saturday Last day of class, Executive MBA and MPA
June 4 Sunday Commencement Day

Summer Session 1989

May 16 - June 23 First 6-Week Day Session
May 16 - June 30 First 7-Week Evening Session
July 6 - August 18 Second 6-Week Day Session
July 6 - August 25 Second 7-Week Evening Session
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