2007

Bridgewater State College Undergraduate/Graduate Catalog 2007-2008

Bridgewater State College

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**Statement of Student Responsibility**

The college catalog is made available to Bridgewater State College students. In all cases, the student bears ultimate responsibility for reading the catalog and following the academic policies and regulations of the college. A copy of the college catalog may be obtained by contacting the Admissions Office or may be viewed on the Web at www.bridgew.edu.

For the most up-to-date catalog information, including changes or corrections to curriculum, course descriptions, and tuition and fees, see the BSC Catalog Web Addenda at www.bridgew.edu/catalog/addenda/. The Web addenda should be used in conjunction with the 2007-2008 Bridgewater State College Catalog. Information in the Catalog Web Addenda supersedes the published version of this catalog.
About the College

As the comprehensive public college of Southeastern Massachusetts, Bridgewater State College has a responsibility to educate the residents of Southeastern Massachusetts and the commonwealth, and to use its intellectual, scientific and technological resources to support and advance the economic and cultural life of the region and the state.

While maintaining its historic focus on the preparation of teachers, Bridgewater State College provides a broad range of baccalaureate degree programs through its School of Arts and Sciences, its School of Education and Allied Studies and its School of Business. At the graduate level, the college offers the Master of Arts and Master of Science in select disciplines, as well as the Master of Arts in Teaching, the Master of Education, the Master of Public Administration, the Master of Science in Management and the Master of Social Work. In addition, Bridgewater State College prepares current and future educators for postbaccalaureate and postmaster’s licensure.

Through the extensive information technology and distance education resources available at Bridgewater State College, including the unique John Joseph Moakley Center for Technological Applications, the college has made technology an integral component of teaching and learning on campus, and seeks to become a regional center for the enhancement of teaching through technology for PreK-12 teachers and college faculty.

The college’s growing number of innovative academic programs helps to ensure that Bridgewater State College students are prepared to think critically, communicate effectively and act responsibly within a context of personal and professional ethics. For example, BSC’s Academic Achievement Center, and particularly its first-year advising program, is often cited as a model for other institutions to follow. At the same time, the Adrian Tinsley Program for Undergraduate Research represents an unparalleled opportunity for students to work closely with faculty mentors and to present research and creative work at regional and national conferences.

Bridgewater State College benefits greatly from Connect, its regional partnership with other public higher education institutions in the region – the University of Massachusetts at Dartmouth, Massasoit Community College, Bristol Community College and Cape Cod Community College. Connect functions as a vehicle for coordinating the academic, administrative and development activities of public higher education in Southeastern Massachusetts, and introduces shared activities and programs among member institutions.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
# Table of Contents

About the College ........................................... 1
Table of Contents ........................................ 2
Academic Calendar ...................................... 4
History of the College ................................. 5

**COLLEGE COMPLIANCE POLICIES** ..................... 6

**ACADEMIC PROGRAMS** ................................ 10
Undergraduate ........................................... 10
Graduate ............................................... 11

**UNDERGRADUATE ACADEMIC EXPERIENCE** ........ 13
The Faculty ............................................. 13
Learning Resources .................................. 13
Technological Resources ......................... 15
Opportunities for Learning Beyond the Classroom ... 16
Campus Life .......................................... 18

**NEW ENGLAND REGULAR STUDY** .................... 20

**UNDERGRADUATE ADMISSIONS** ....................... 20
Freshman Admission Requirements ................ 20
Transfer Admission Requirements ............... 21
Joint Admission Program .............................. 21
Commonwealth Transfer Compact ................ 22
Decision and Notification Dates .................. 22
Reinstatement and Readmission .................. 23
International Admission ............................. 23
Program for Registered Nurses ................... 23
New England Regional Student Program .......... 24
Advanced Standing .................................... 24
Advanced Placement Program .................... 24
College-Level Examination Program (CLEP) ...... 24
Second Degree Option ................................. 25

**TUITION AND FEES** .................................. 26
Application Fees ....................................... 26
Tuition and Fees .................................... 26
Semester Residence Hall and Dining Charges ... 27
Tuition Management Plan ......................... 27
Refund Policy ....................................... 27
Tuition and Fees Summary ......................... 28
Return of Financial Aid Policy ................. 30

**FINANCIAL AID** ....................................... 32
Satisfactory Academic Progress and Student Financial Aid ... 32
Student Employment ................................ 32
Graduate Assistantships ............................ 33
Alumni Scholarships ................................ 34
Other Scholarships .................................. 34
Veterans' Affairs .................................... 34

**NEW ENGLAND REGULAR STUDY** .................... 34

**UNDERGRADUATE ACADEMIC PROGRAMS** ........... 35
Bachelor of Arts/Bachelor of Science .......... 35
Bachelor of Science in Education ................ 35
Major ............................................... 35
Double Major ....................................... 35
Concentration ....................................... 36
Minor ............................................... 36
Core Curriculum Requirements .................. 37
Directed Study ...................................... 43
Internship, Practicum, Field Experience .......... 43
Honors Program ..................................... 44
Commonwealth Honors ................................ 44
Departmental Honors ................................ 45
Scholarships ......................................... 45
Honors Center ........................................ 45
Honors Program Dinner ................................ 45
Honors Societies .................................... 45
Interdisciplinary Programs ....................... 46

**UNDERGRADUATE ACADEMIC POLICIES** ........... 47
Academic Integrity and Classroom Conduct Policy .......... 47
Academic Standards ................................ 48
Academic Probation ................................ 48
Academic Separation ................................ 48
Satisfactory Academic Progress .................. 49
Awarding of Undergraduate Degrees .............. 49
Commencement Ceremony ............................ 49
Degree Application ................................ 49
Graduation Requirements ........................... 49
Graduation with Honors ............................. 50
Grading System ...................................... 50
Audit ............................................... 51
Change of Grade .................................... 51
Dean's List ......................................... 51
Grade Point Average ............................... 51
Incomplete .......................................... 51
Mid-Semester Warning Notices .................. 51
Repeat Courses .................................... 51
Registration and Enrollment Policies .............. 52
Attendance Policy ................................... 52
Change/Declaration of Concentration ............... 52
Change/Declaration of Major for Freshmen ........ 52
Change of Major for Upperclassmen ............... 52
Change/Declaration of Minor for Freshmen ........ 52
Course Audit ....................................... 52
Course Audit ....................................... 52
Course Drops and Adds ............................. 53
Course Loads ....................................... 53
Credit by Examination ............................. 53
Intercollegiate Athletics Eligibility .............. 53
Make-up Tests and Examinations .................. 54
Prerequisites ....................................... 54
Registration ....................................... 54
Transfer of Credit after Admission ................ 54
Withdrawal from the College ...................... 55
Withdrawal from Courses following the Drop/Add Period ........ 55

**SCHOOL OF GRADUATE STUDIES** ................... 56
General Policies and Procedures .................. 56
Academic Integrity ................................ 56
Academic Dismissal ................................ 57
Academic Probation ................................. 57
Academic Standing for Graduate Students ........ 57
Appeals ............................................. 57
Change of Grade .................................... 57
Change of Name and/or Address .................. 57
Comprehensive Examination .................... 58
Continuation or Interruption of Course Registration .... 58
Course Drops and Adds ............................. 58
Course Loads ....................................... 58
Course Registration ................................ 58
Deadlines ......................................... 59
Grading System ..................................... 59
Graduate and Undergraduate Credit ............... 59
Graduate Assistantships ........................... 59
Graduate Research Assistantship ................ 59
Graduation Application ............................. 59
Graduation Dates ................................... 59
Graduation Requirements ......................... 60
Immunization Requirements for Graduate Students .... 60
Incomplete .......................................... 60
Independent or Directed Study ..................... 60
Program and Course Prerequisites ............... 60
Research .......................................... 60
Satisfactory or Reasonable Progress ............. 60
Statute of Limitations – Program and Courses .... 60
Thesis .............................................. 61
Transfer Credit ...................................... 61
Withdrawal from Courses ......................... 62
Withdrawal from the College .................... 62
Graduate Programs ................................ 62
Master of Arts ..................................... 62
Master of Arts in Teaching ....................... 62
Master of Education ................................ 62
Master of Public Administration ................ 62
Master of Science .................................. 62
Master of Science in Management ............... 62
Master of Social Work ............................. 63
Certificate of Advanced Graduate Study .......... 63
# Table of Contents

Doctor of Education .......... 63  
Postbaccalaureate Licensure  
Programs ..................... 63  
Postmaster's Licensure Programs .... 63  
Educator Licensure .......... 63  
Graduate Certificate Programs ... 64  
**GRADUATE ADMISSIONS** .... 64  
Admission Standards .......... 64  
Postbaccalaureate Licensure  
Programs ..................... 64  
Accelerated Postbaccalaureate  
Licensure Programs .......... 64  
Master of Arts in Teaching ...... 64  
Master's Degree Programs ....... 65  
CAGS and Postmaster's Licensure  
Programs ..................... 65  
Application Procedures .......... 65  
International Student Admission  
Requirements ................ 67  
Admission Decisions .......... 67  
Action by the Department ...... 67  
Action by the Educator  
Licensure Office ............. 67  
Action by the School of Graduate  
Studies ....................... 67  
Change in Program .......... 67  
Graduate Advisers and Graduate  
Program Planning ............. 67  
**GRADUATE PROGRAM**  
**REQUIREMENTS** ........... 68  
Master of Arts .......... 68  
Master of Arts in Teaching .... 68  
Master of Education .......... 68  
Master of Public Administration ... 68  
Master of Science .......... 68  
Master of Science in Management ... 68  
Master of Social Work ......... 69  
Certificate of Advanced Graduate  
Study ......................... 69  
Collaborative CAGS/EdD Program ... 69  
**SCHOOL OF ARTS AND**  
**SCiences** .................. 70  
Undergraduate Programs ...... 71  
Graduate Programs .......... 72  
Department of Anthropology .... 73  
Department of Art .......... 76  
Department of Biological Sciences .... 80  
Department of Chemical Sciences ..... 87  
Department of Communication  
Studies ....................... 90  
Department of Criminal Justice .... 90  
Department of Earth Sciences .... 96  
Department of English .......... 100  
Department of Foreign Languages ... 105  
Department of Geography ....... 108  
Department of History .......... 111  
Department of Mathematics and  
Computer Science ........... 118  
Department of Music .......... 122  
Department of Philosophy ....... 126  
Department of Physics .......... 128  
Department of Political Science .... 131  
Department of Psychology ...... 136  
Department of Social Work ....... 141  
Department of Sociology ........ 146  
Department of Theater and Dance ... 149  
**SCHOOL OF BUSINESS** ........ 153  
Department of Accounting and  
Finance ....................... 155  
Department of Aviation Science .... 159  
Department of Economics ....... 162  
Department of Management ....... 163  
**SCHOOL OF EDUCATION**  
**AND ALLIED STUDIES** ...... 168  
Undergraduate Programs ...... 169  
Postbaccalaureate, Graduate and  
Postmaster's Programs ......... 169  
Licensure of Educational  
Personnel ..................... 170  
Admission to and Retention in  
Professional Education Programs -  
Undergraduate Students ....... 171  
Admission to and Retention in  
Professional Education Programs -  
Postbaccalaureate/Graduate  
Students ..................... 172  
Admission to, Retention in and Exit  
from Professional Education  
Programs - MAT, MEd, CAGS .... 173  
MEd PreK-12 Education (For  
Educators in Non-U.S. Settings) .... 174  
CAGS in Education .......... 174  
Collaborative CAGS/EdD Program ... 174  
Department of Counselor  
Education ..................... 175  
Department of Elementary and Early  
Childhood Education .......... 183  
Department of Movement Arts, Health,  
Promotion and Leisure Studies .... 191  
Department of Secondary Education  
and Professional Programs ....... 206  
Undergraduate Programs ...... 206  
Graduate Programs .......... 208  
Accelerated Postbaccalaureate  
Program (APB) ............... 209  
Master of Arts in Teaching ....... 210  
Educational Leadership Graduate  
Program ..................... 210  
Library Media Graduate  
Program ..................... 213  
Instructional Technology  
Graduate Program ............. 214  
Department of Special Education and  
Communication Disorders ....... 215  
**INTERDISCIPLINARY AND**  
**PREPROFESSIONAL**  
**PROGRAMS** ............... 232  
**COURSE DESCRIPTIONS** ...... 233  
Course Numbering System ....... 233  
Core Curriculum Notations ...... 233  
Prerequisite Notations .......... 233  
Semester Notations .......... 233  
Former Course Number Notations ... 233  
Cross-Listed Courses ......... 233  
Meeting Times ............... 234  
**CORE CURRICULUM COURSE**  
**NOTATIONS** ............... 234  
**COURSE SUBJECT CODE**  
**KEY** ..................... 235  
**COURSE DESCRIPTIONS** ...... 236  
Board of Trustees .......... 419  
Officers of the College ....... 420  
Administrative and Other College  
Offices ..................... 421  
Faculty ..................... 424  
Librarians ................... 435  
Index ....................... 437  
Map ......................... 440  
Accreditations and  
Certifications ................ 440  
Inside back cover

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Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
The regular academic year consists of two semesters (fall and spring) of approximately 15 weeks each. The college also holds two summer sessions of approximately five weeks each.

### FALL SEMESTER – 2007

<table>
<thead>
<tr>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 (Monday)</td>
<td>8 (Monday)</td>
<td>12 (Monday)</td>
<td>11 (Tuesday)</td>
</tr>
<tr>
<td>5 (Wednesday)</td>
<td>23 (Tuesday)</td>
<td>14 (Wednesday)</td>
<td>12 (Wednesday)</td>
</tr>
<tr>
<td>19 (Wednesday)</td>
<td>24 (Wednesday)</td>
<td>21 (Wednesday)</td>
<td>11 (Tuesday)</td>
</tr>
<tr>
<td></td>
<td>Labor Day – No classes</td>
<td>Veterans’ Day – No classes</td>
<td>Tuesday evening class final exam</td>
</tr>
<tr>
<td></td>
<td>Fall classes begin</td>
<td>Monday schedule of classes</td>
<td>Fall semester day final exams end</td>
</tr>
<tr>
<td></td>
<td>Senior Convocation (12:20 PM classes only are cancelled)</td>
<td>(Wednesday classes will not meet on 11/14)</td>
<td>Tuesday evening class final exam</td>
</tr>
<tr>
<td></td>
<td>Columbus Day – No classes</td>
<td>Thanksgiving recess begins at the close of Day classes. Evening classes will not be held</td>
<td>Tuesday evening class final exam</td>
</tr>
<tr>
<td></td>
<td>End of first quarter</td>
<td>Classes resume</td>
<td>Thursday evening class final exam</td>
</tr>
<tr>
<td></td>
<td>Beginning of second quarter</td>
<td></td>
<td>Spring semester day final exams begin; Wednesday evening class final exam</td>
</tr>
<tr>
<td></td>
<td></td>
<td>26 (Monday)</td>
<td>12 (Monday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>13 (Wednesday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>14 (Friday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>17 (Monday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>19 (Wednesday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>20 (Thursday)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### March

| 11 (Tuesday) | End of third quarter |
| 12 (Wednesday) | Beginning of fourth quarter |
| 17 (Monday) | Spring break begins |
| 21 (Friday) | Spring break ends |
| 24 (Monday) | Classes resume |

### April

| 21 (Monday) | Patriot’s Day – No classes |

### May

| 1 (Thursday) | Thursday evening class final exam |
| 5 (Monday) | Spring semester day classes end |
| 6 (Tuesday) | Reading Day (Day classes only); Tuesday evening class final exam |
| 7 (Wednesday) | Spring semester day final exams begin; Wednesday evening class final exam |
| 12 (Monday) | Monday evening class final exam |
| 13 (Tuesday) | Spring semester day final exams end |
| 14 (Wednesday) | Spring Graduate Commencement |
| 17 (Saturday) | Spring Undergraduate Commencement |

### SUMMER SEMESTER – 2008

<table>
<thead>
<tr>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 (Tuesday)</td>
<td>Summer Session I classes begin</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 (Monday)</td>
<td>Summer Session I classes end</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 (Monday)</td>
<td>Summer Session II classes begin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SPRING SEMESTER – 2008

<table>
<thead>
<tr>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 (Monday)</td>
<td>Martin Luther King, Jr. Day – No classes</td>
</tr>
<tr>
<td>23 (Wednesday)</td>
<td>Spring classes begin</td>
</tr>
<tr>
<td>25 (Friday)</td>
<td>Winter Undergraduate Commencement</td>
</tr>
<tr>
<td>18 (Monday)</td>
<td>Presidents’ Day – No classes</td>
</tr>
<tr>
<td>20 (Wednesday)</td>
<td>Monday schedule of classes (Wednesday classes will not meet on 2/20)</td>
</tr>
</tbody>
</table>
History of the College

Bridgewater State College has grown from its first home—a single room in the basement of Bridgewater Town Hall in 1840—to become the largest of the nine Massachusetts State Colleges and the fourth largest of the 29 public colleges and universities in the commonwealth.

More than 9,700 full-time and part-time undergraduate and graduate students are enrolled at the college; the full-time faculty numbers 278, which represents a net gain of 27 since fall 2002; and more than 90 undergraduate and graduate programs are offered by the college’s four schools (School of Arts and Sciences, School of Education and Allied Studies, School of Business and School of Graduate Studies). The college’s physical plant of 235 acres includes 34 academic, administrative and residential buildings.

Alumni and friends have raised more than $13 million to support faculty and student research, a myriad of undergraduate and graduate scholarships, international study opportunities and award-winning publications. These private investments complement growing levels of public support for the institution. In recent years, the college has committed $2.3 million for classroom upgrades and $7 million for an extensive library renovation. Two new 400-bed residence halls and a significant renovation and expansion of the campus’ science building are scheduled for completion by the end of the decade.

Vital to the long-term success of the institution is its recognition throughout the state and nation as an educational leader in the use of technology to improve teaching and learning. The first step in that direction took place in 1992, when Bridgewater State College secured a $10-million federal grant—at the time, the largest federal grant ever awarded to a state college in the United States—to build what has become the John Joseph Moakley Center for Technological Applications. Today, all incoming students are required to carry and use notebook computers. For two consecutive years, Yahoo! Internet Life magazine named Bridgewater State College among the “100 Most-Wired Universities and Colleges in America,” and the college earned the number six spot on Intel Corporation’s “Most Unwired College Campuses Survey” in 2005.

Together, these developments have combined to strengthen the college’s academic mission and expand its public service role. They were built on a series of initiatives that trace back to 1960, a watershed year in the life of the college. It was then that the college began making a full-scale transition from an exclusively teacher-training institution to a comprehensive liberal arts college, offering students a variety of academic disciplines at the undergraduate and graduate level.

Until that time, the college had been relatively small—approximately 500 students—but enjoyed a national and international reputation for excellence in teacher preparation. The preparation of the next generation of quality teachers remains a top priority for Bridgewater State College, as evidenced by the institution’s celebration of 50 years of accreditation by the National Council for Accreditation of Teacher Education.

During its time as a normal school, countless faculty and administrators nurtured the school carefully despite varying degrees of support from the state and overcame a host of difficult and sometimes dire situations, including a disastrous fire in 1924 that destroyed several of the few buildings that existed on the campus at that time.

While the college’s earliest years were times of great challenge, the efforts never flagged to continue strengthening the curriculum, and each succeeding generation left Bridgewater State College stronger than the generation that went before. The thriving and dynamic institution we see today is the best evidence of the success of that enduring commitment.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
The material which follows includes a summary of the federal and state legal requirements and specific college policies related to nondiscrimination, harassment, hazing, alcohol and drug policies, safety and security measures and confidentiality of student records. For a copy of the complete policy statements or further information, please contact the appropriate office as indicated in each policy section.

**POLICY ON NONDISCRIMINATION AND AFFIRMATIVE ACTION**

Bridgewater State College does not discriminate in admission to or access to, or treatment or employment in, any of its educational programs or activities, including scholarships, loans and athletics, on basis of race, creed, religion, color, gender, marital status, age, sexual orientation, national origin, veteran status or disability. The college complies with executive orders 11246 and 11375 as amended; the Civil Rights Act of 1964 as amended; the Civil Rights Restoration Act of 1988; the Civil Rights Act of 1991; Title IX of the Higher Education Amendments of 1972 as amended; Sections 503 and 504 of the Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990; Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974; and pertinent laws, regulations and executive orders; directive of the Higher Education Coordinating Council; the Boards of Trustees of the Massachusetts State Colleges and the Commonwealth of Massachusetts, and other applicable local, state and federal statutes.

Anyone believing that he or she has experienced discrimination and/or adverse treatment may register a complaint with the Office of Affirmative Action, Boyden Hall 226 508.531.1241; the vice president for student affairs, Boyden Hall 106 508.531.1276; TTY 508.531.1384; or write to the Office for Civil Rights, Washington, D.C.

For specific information regarding college policies related to racial harassment, sexual harassment or disabilities discrimination, please contact the Office of Affirmative Action, Minority Affairs and Equal Opportunity, the Office of Student Affairs or refer to the Bridgewater State College Handbook.

**CONFIDENTIALITY OF STUDENT RECORDS**

Bridgewater State College complies with the Family Educational Rights and Privacy Act (FERPA) of 1974 which governs access to and release of information contained in student education records. Students have the right to review their education records, request the amendment of their records if they believe that inaccuracies exist, and consent to disclosures of personally identifiable information contained in their records. Students also have the right to file written complaints with the U.S. Department of Education, Family Policy Compliance Office, concerning alleged violations of this act. Additional information regarding this act may be found in the Bridgewater State College Handbook and on the Web (www.bridgew.edu/registrar). For specific questions, please contact the Registrar's Office, Boyden Hall 003.

**THE JEANNE CLERY DISCLOSURE OF CAMPUS SECURITY POLICY AND CAMPUS CRIME STATISTICS ACT**

Bridgewater State College complies with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, a federal law that requires colleges and universities across the United States to disclose information about crime on and around their campuses.

**Annual Report**

Colleges have to publish an annual report every year by October 1 that contains three years of campus crime statistics and also certain security policy statements including sexual assault policies, the law enforcement authority of campus police, and where students should go to report crimes. These statistics and policy statements are published annually in the Bridgewater State College Student Handbook.

**Crime Statistics**

Colleges must disclose crime statistics for the campus, public areas immediately adjacent to the campus, and certain non-campus facilities including Greek housing and remote housing. The statistics must be gathered from campus and local police, and college officials that have "significant responsibility for student and campus activities."

**Access to Timely Information**

Colleges are also required to provide "timely warnings" and a separate but more extensive public crime log. The Bridgewater State College Police Department issues "Campus Safety Alert Bulletins" whenever a major crime or other significant incident may potentially affect the safety or security of the campus community. The Department also maintains a daily police log that is accessible to the public. The police log and any "Campus Safety Alert Bulletins" that are issued are also provided for publication in the college newspaper, The Comment.

**HAZING**

Hazing is unlawful in Massachusetts. Bridgewater State College supports the law. Hazing means "...any conduct or method of initiation into any student organization, whether on public or private property, which willfully or recklessly endangers the physical or mental health of any student or other person." Any person who is a principal organizer or participant in the crime of hazing shall be punishable by a fine of not more than $3,000 or by imprisonment in a house of correction for not more than one year, or by both such fine and imprisonment. Please refer to the Bridgewater State College Handbook for the complete college policy statement on hazing.
INAPPROPRIATE BEHAVIORS THAT COMPROMISE THE SAFETY AND SECURITY OF BRIDGEWATER STATE COLLEGE THAT WILL NOT BE TOLERATED

Student Conduct Code violations, such as those on the following list, may lead to a student suspension or dismissal from Bridgewater State College once the determination of responsibility has been made. Immediate interim suspension pending a hearing will occur whenever the accused student is deemed a safety threat. Violations include but are not limited to:

- Arson
- Creating or false reporting of bombs
- Illegal drug possession and/or distribution
- Illegal occupation of a building
- Possession or discharge of illegal weapons
- Rape or other sexual assault
- Resisting arrest
- Destruction of property including electronic property medium
- Inciting a riot
- Stalking
- Driving under the influence of alcohol or drugs
- Hate crimes
- Hazing
- Illegal alcohol distribution
- Murder
- Physical assault
- Threatening
- Tampering with fire safety equipment including pulling a false fire alarm
- Use of a false identification card or providing false identification to others

For information on the college conduct code and judicial process, please refer to the Bridgewater State College Student Handbook or contact the Office of Student Affairs, Boyden Hall 106.

THE MASSACHUSETTS CLEAN INDOOR ACT (MASSACHUSETTS GENERAL LAWS, CHAPTER 270, SECT. 22)

The Massachusetts Clean Indoor Air Act requires that smoking be prohibited at colleges within the commonwealth except in areas designated by the college as smoking areas. Effective January 1, 1993, the college became smoke free. All indoor smoking is prohibited. Students and employees interested in participating in smoking cessation programs may obtain information from the Office of Health Services, Tillinghast Hall 001; or the Office of Human Resources, Boyden Hall 103.

DRUG-FREE SCHOOLS AND COMMUNITIES ACT AMENDMENTS OF 1989

In compliance with the Drug-Free Schools and Communities Act Amendments of 1989, Bridgewater State College has adopted and implemented programs to prevent the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees.

College policy prohibits the possession, consumption, storage or service of alcohol by students and/or their guests, except by persons 21 years or age or older who are in transit to (not being consumed, stored or served) or at approved or licensed locations, such as the Great Hill Student Apartments and within the limits of state and local laws and college policy.

The unlawful possession, use or distribution of illegal drugs on college property or at college activities is also prohibited. Sanctions are imposed by the college on students and employees who violate the college alcohol and drug policy.

For information on specific college policies pertaining to alcohol and illegal drugs, sanctions for violations of the alcohol and drug policy, campus resources and referral agencies, please refer to the Bridgewater State College Student Handbook or contact the Office of Student Affairs, Boyden Hall 106; the Alcohol/Drug Program, Tillinghast Hall 010; or the Office of Human Resources, Boyden Hall 103.

VOTER REGISTRATION ACT

(Massachusetts General Laws, Chapter 51, Sect. 42E)

The law requires all colleges to make available voter registration forms to all students enrolled in a degree or certificate program and physically in attendance at the institution. Massachusetts residents will find such forms at the Bridgewater State College Web page (www.bridgew.edu – Click on BSC Students) and at the Campus Center Information Booth. Out-of-state students who want to vote in their home state must use either a mail-in form supplied by an election official in the home state or the federal mail-in affidavit of voter registration. The latter may be obtained by writing or calling the Massachusetts Elections Division, Room 1705, McCormack Building, One Ashburton Place, Boston, MA 02108 617.727.2828 or 1.800.462.8683, through the BSC Web site listed above or through www.state.ma.us/sec/elestu/stuidx.htm.

STUDENT RIGHT TO KNOW – DISCLOSURE OF INSTITUTIONAL GRADUATION RATES

Bridgewater State College is pleased to provide the following information regarding our institution’s graduation rates. The information is provided in compliance with the Higher Education Act of 1965, as amended.

During the fall semester of 2000, a cohort of 1,244 first-time, full-time, degree-seeking undergraduate students entered Bridgewater State College. After six years (as of August 31, 2006), 91% of these students had graduated from our institution. The 4-year average graduation rate (for Fall 1997 through Fall 2000 cohorts) is 49%.
While reviewing this information, please bear in mind:

The graduation rate is based on students who completed the bachelor's program within 6 years (150% of normal time).

The graduation rate does not include students who transferred to other higher education institutions or interrupted their course of study (e.g., students on leave, students who left school to serve in the armed forces, official church mission, or the foreign service of the federal government, or students who are deceased or permanently disabled and thus unable to return to school).

For specific questions regarding graduation rates, please contact the Office of Institutional Research and Assessment.

**Teacher Preparation Programs and Educator Licensure Test Pass Rates**

Bridgewater State College offers 18 undergraduate and post-baccalaureate programs leading to initial teaching licensure. All candidates enrolled in teacher-licensure programs must have a major in an Arts and Sciences discipline in addition to their education course sequence, and all candidates are exposed to actual K-12 classrooms throughout their teacher preparation program. Bridgewater's School of Education and Allied Studies is accredited by the National Council for the Accreditation of Teacher Education (NCATE). All of the college's initial teacher preparation programs are approved by the Massachusetts Department of Education, and 13 programs are approved at the national level by recognized professional organizations.

| Total number of students enrolled in teacher preparation, all specializations, in academic year 2005-2006: | 1498 |
| Number of students in supervised student teaching in academic year 2005-2006 | 383 |
| Number of faculty members who supervised student teachers: |  |
| Full-time faculty in professional education: | 31 |
| Part-time faculty in professional education but full-time in the institution: | 4 |
| Part-time faculty in professional education, not otherwise employed by the institution: | 61 |
| Total faculty student teaching supervisors: | 96 |
| Student teacher/faculty ratio: | 3.98 |
| The average number of student teaching hours per week: | 30 |
| The total number of weeks of supervised student teaching required: | 15 |
| Average total number of hours required: | 450 |

To be licensed to teach in Massachusetts, candidates must pass three educator licensure tests: a communication and literacy skills battery (reading and writing) and a test in their academic content area. The following table reports pass rates for each of the tests required for teacher licensure.
### Test Field/Category

<table>
<thead>
<tr>
<th>Test Field/Category</th>
<th>Number Tested</th>
<th>Number Passed</th>
<th>Pass Rate</th>
<th>Statewide</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Skills</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CommLit Reading</td>
<td>336</td>
<td>336</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>CommLit Writing</td>
<td>334</td>
<td>334</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>Aggregate</td>
<td>339</td>
<td>339</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td><strong>Academic Content Areas</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>013 Biology</td>
<td>10</td>
<td>10</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>046 Dance</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>100%</td>
</tr>
<tr>
<td>002 Early Childhood</td>
<td>38</td>
<td>38</td>
<td>100%</td>
<td>97%</td>
</tr>
<tr>
<td>014 Earth Science</td>
<td>4</td>
<td>--</td>
<td>--</td>
<td>100%</td>
</tr>
<tr>
<td>007 English</td>
<td>27</td>
<td>27</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>090 Foundations of Reading</td>
<td>226</td>
<td>209</td>
<td>92%</td>
<td>98%</td>
</tr>
<tr>
<td>003 General Curriculum</td>
<td>184</td>
<td>184</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>006 History</td>
<td>22</td>
<td>22</td>
<td>100%</td>
<td>99%</td>
</tr>
<tr>
<td>009 Mathematics</td>
<td>16</td>
<td>16</td>
<td>100%</td>
<td>98%</td>
</tr>
<tr>
<td>047 Middle School Mathematics</td>
<td>14</td>
<td>14</td>
<td>100%</td>
<td>100%</td>
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<tr>
<td>016 Music</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>100%</td>
</tr>
<tr>
<td>022 Physical Education</td>
<td>20</td>
<td>20</td>
<td>100%</td>
<td>98%</td>
</tr>
<tr>
<td>011 Physics</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>100%</td>
</tr>
<tr>
<td>048 Political Science/Political Philosophy</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>81%</td>
</tr>
<tr>
<td>028 Spanish</td>
<td>2</td>
<td>--</td>
<td>--</td>
<td>93%</td>
</tr>
<tr>
<td>045 Theater</td>
<td>1</td>
<td>--</td>
<td>--</td>
<td>97%</td>
</tr>
<tr>
<td>017 Visual Art</td>
<td>8</td>
<td>--</td>
<td>--</td>
<td>98%</td>
</tr>
<tr>
<td><strong>Aggregate</strong></td>
<td>577</td>
<td>560</td>
<td>97%</td>
<td>98%</td>
</tr>
<tr>
<td><strong>Summary Totals and Pass Rate</strong></td>
<td>361</td>
<td>344</td>
<td>95%</td>
<td>97%</td>
</tr>
</tbody>
</table>
# Undergraduate Majors

Thirty-one undergraduate majors are currently offered. For more detailed information, see requirements listed in the appropriate department of this catalog.

Students should be aware that not all courses are offered in the evening. Students who are only able to enroll in classes 4:00 PM or after should consult the appropriate department chairperson for information about the availability of evening sections of courses required in a specific major, concentration and/or minor.

## Accounting and Finance
Concentrations:
- Accounting
- Finance

## Anthropology
Concentrations:
- Cultural Anthropology
- General Anthropology
- Public Archaeology

## Art
Concentrations:
- Art Education
- Art History
- Crafts
- Fine Arts
- Graphic Design
- Photography

## Athletic Training

## Aviation Science
Concentrations:
- Aviation Management
- Flight Training

## Biology
Concentrations:
- Biomedical/Molecular Biology
- Environmental Biology
- General Biology

## Business—see Management and Accounting and Finance

## Chemistry
Concentrations:
- Biochemistry
- Environmental Chemistry
- Professional Chemistry

## Chemistry-Geology

## Communication Studies
Concentrations:
- Communication Studies
- Dance Education
- Theater Arts
- Theater Education

## Computer Science

## Criminal Justice

## Early Childhood Education
Concentration:
- Early Education and Care (PreK-K)

## Earth Sciences
Concentrations:
- General
- Environmental Geosciences
- Geology

## Economics

## Elementary Education

## English
Concentrations:
- English Education (High School, Middle School)
- Writing

## Geography

## Health Education

## History
Concentration:
- Military History

## Management
Concentrations:
- General Management (Human Resources, Operations)
- Energy and Environmental Resources Management
- Global Management
- Information Systems Management
- Marketing
- Transportation

## Mathematics

## Music
Concentration:
- Music Education

## Philosophy
Concentration:
- Applied Ethics

## Physical Education
Concentrations:
- Coaching
- Exercise Science/Health Fitness
- Motor Development Therapy/Adapted Physical Education
- Recreation
- Recreation and Fitness Club Administration
- Teacher Licensure available in:
  - Physical Education (PreK-8)
  - Physical Education (5-12)
Academic Programs

PHYSICS
Concentrations:
- General Physics
- Professional Physics

POLITICAL SCIENCE
Concentrations:
- American Politics
- International Affairs
- Legal Studies
- Public Administration

PSYCHOLOGY
Concentrations:
- Child Psychology
- Industrial and Organizational Psychology
- Medical and Health Psychology

SOCIAL WORK
SOCIOLOGY
Concentrations:
- City, Community and Region
- Education
- Global Studies

SPANISH
SPECIAL EDUCATION
Concentration:
- Communication Disorders

MASTER OF EDUCATION (MEd)
Counseling
Concentrations:
- Mental Health Counseling
- Mental Health Counseling – Dual License
- School Counseling
- Student Affairs Counseling
- Early Childhood Education
- Educational Leadership
- Elementary Education
- Health Promotion
- Instructional Technology
- PreK-12 Education (For Educators in non-U.S. settings)
- Reading
- Special Education
  Concentrations:
  - Moderate Disabilities
  - Severe Disabilities

MASTER OF PUBLIC ADMINISTRATION (MPA)
Concentrations:
- Financial Administration
- Municipal and Regional Development and Management
- Nonprofit Administration

MASTER OF SCIENCE (MS)
Athletic Training
Computer Science
Criminal Justice
Concentrations:
- Administration of Justice
- Crime and Corrections
Physical Education
Concentrations:
- Adapted Physical Education
- Applied Kinesiology
- Human Performance and Health Fitness
- Strength and Conditioning

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Academic Programs

Master of Social Work (MSW)

Certificate of Advanced Graduate Study (CAGS)
- Educational Leadership
- Mental Health Counseling
- Reading
- School Counseling

Doctor of Education (EdD)
- (Collaborative program with the University of Massachusetts - Lowell)
  - Educational Leadership
  - Reading

Postbaccalaureate Licensure Programs
- Early Childhood Education
- Educational Leadership
- Elementary Education
- Health (Health, Family and Consumer Sciences)
- Physical Education
- Secondary Education (Middle School/High School/PreK-12 Specialist)
- Special Education

Postmaster’s Licensure Programs
- Educational Leadership
- School Counseling
A diverse array of academic programs, close association with a superb faculty, extensive online and technological resources, opportunities to learn and grow outside of the classroom, and a supportive network of advisers and counselors are the key elements of the academic environment at Bridgewater State College.

A wide variety of service-learning, study abroad, cultural and social activities complement the learning process and add rich dimensions to the total academic experience.

The college is committed to fostering student success. Faculty and staff strive to help each student work to achieve her or his full potential. The college’s long tradition of academic excellence is built upon a foundation of challenging studies, an intellectually stimulating atmosphere, and a tradition of community service and partnership.

Rapid advances in technology have created new opportunities for learning and require new skills in the ability to assimilate complex ideas. Bridgewater State College’s undergraduate program provides fundamental knowledge in different areas of study as well as specialized, in-depth knowledge and skills in a major area. Each student acquires the knowledge and skills to communicate effectively, think logically, work quantitatively, and evaluate and assimilate information from a variety of sources. These skills are critically important to a life of learning and personal and professional growth.

The core of the Bridgewater State College academic experience is the study of liberal arts. Every student, regardless of major, completes the core curriculum – a general course of study that provides a foundation for studies in each major. Distribution requirements include fine and performing arts, humanities, natural sciences and social/behavioral sciences. Most of the core curriculum is completed during the first two years of college, with the last two years focused on the major field of study.

Emphasis is placed on reading, writing and oral communication skills. Business executives rank proficiency in communication as the most important skill an employee can possess. The ability to collect and integrate information, organize one’s ideas, express these ideas logically and clearly, and respond to the ideas of others is rooted in language skills.

The college has a rich and varied array of majors, minors and program options. For the undergraduate student, there is a broad spectrum of more than 100 such possibilities.

The Faculty
Bridgewater State College has an outstanding faculty of women and men who are dedicated to teaching as a career, not just a vocation. Bridgewater State College professors are nationally recognized for their expertise in their fields of study. Ninety percent hold terminal degrees in their fields and many faculty members serve as consultants and advisers to corporations, non-profit organizations, school systems and government agencies. Other faculty provide leadership to professional societies and conduct pioneering research in their respective fields. Students may work closely with faculty through a variety of means including internships, undergraduate research or the Honors Program.

LEARNING RESOURCES

Clement C. Maxwell Library
Conveniently located on West Campus, the Maxwell Library is a hub of activity. Not only does the library house a number of academic and administrative departments, faculty offices and classrooms, it also provides a variety of information resources and electronic tools for student and faculty use in a comfortable and inviting environment. Open more than 90 hours each week, the library is staffed by highly qualified professionals and support personnel skilled at satisfying reference and research needs.

The library’s core collection of print, electronic and microformat materials is complemented by a substantial collection of videos, DVDs and compact discs. Students and faculty can discover the wealth of books, newspapers, periodicals, sound recordings and movie titles using the library’s online public access catalog, Webster. With approximately 300,000 volumes, more than 31,000 periodical subscriptions and nearly 100 electronic bibliographic and full-text article databases, the library provides students and faculty with access to a breadth of information sources supporting their classroom and research needs. The library is dedicated to providing resources in all subject disciplines taught by the college’s faculty.

Because the library has both hard-wired and wireless networks, students can work anywhere in the building using their notebook computers. They can also use the desktop computers to search the catalog and Web site, http://www.bridgew.edu/library. Since most of these computers include a suite of applications such as Microsoft Word and Excel, students can find information resources and complete their course assignments at the same time. The library is a dynamic learning place.

The Academic Achievement Center
The Academic Achievement Center houses a variety of programs and services that support the adjustment to college and the academic success of students. The Academic Achievement Center is located on the ground floor of the Maxwell Library and includes the following programs:

The Haughey Academic Advising Program
The advising program serves freshmen and all other students who have yet to declare an academic major. Freshmen are introduced to the advising program during orientation and participate in a number of group and individual advising sessions throughout the academic

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The Undergraduate Academic Experience

year. The focus of the advising program is on helping each student plan a program of study and make a successful and happy transition to college life.

Enrichment Program
A variety of services are available to help strengthen those skills most essential to effective learning both in college and throughout life.

The program is based on the college’s commitment to provide students with every opportunity to build upon strengths they have while correcting any deficiencies. This assistance is provided through specialized courses in English and mathematics and through resources such as Studying and Research Services, the Writing Studio, Mathematics Services, Communication Laboratory, Second Language Services and Disability Resources. Tutorial assistance is also provided.

Students needing assistance may be referred by faculty or staff. A student may also request special help, which the college may provide.

Learning Assistance Services — Students may receive assistance through the following services offered in the Academic Achievement Center:

Communication Lab — Students are assisted with preparation of oral presentations through services that teach strategies for topic selection, outline development and research, as well as through opportunities for presentation practice.

Mathematics Services — Students participate in individual or small-group tutoring and have access to a variety of video and computer materials to support mastery of mathematics concepts and skills.

Studying and Research Services — Students are helped to develop strategies for managing the demands of college courses and skills for completing demanding course assignments.

Writing Studio — Students are provided individualized assistance to strengthen skills at all stages of the writing process.

INTRODUCTORY COLLEGE SKILLS Courses — Students may be assigned to a class or to Introductory College Skills courses as a result of a review of the students’ high school records, SAT scores and performance on various placement examinations generally given during Freshman Orientation. A student may also request this assistance, which the college is pleased to provide.

The course or courses will be graded on a satisfactory/unsatisfactory basis and will not be calculated in the student’s cumulative quality point average. Students assigned to any of these courses must complete the course successfully before attempting any other course in that area. The credit earned in any Introductory College Skills course may not be used to satisfy Core Curriculum Requirements nor may it be applied toward the minimum number of credits required for graduation in any major.

*FRSK 100 Introductory College Skills: Intrusive Advising — A specialized learning/advising program for freshmen offered by the Academic Achievement Center and conducted in a small group setting. Students who wish further information about this course should contact the Academic Achievement Center.

*FRSK 101 Introductory College Skills: Writing — The course will consist of an intensive review of basic communication skills, chiefly those of reading and writing. Students who wish further information about this course should consult with the chairperson of the English department or the Academic Achievement Center.

*FRSK 102 Introductory College Skills: Mathematics — Fundamental principles of algebra and geometry. Students who wish further information about this course should consult with the chairperson of the Department of Mathematics and Computer Science, or the Mathematics Laboratory director, or the director of the Academic Achievement Center.

*The credits earned in these particular courses may not be used to satisfy Core Curriculum Requirements, nor may they be applied toward the minimum number of credits required for graduation in any major.

CONTINUING AND DISTANCE EDUCATION

The Office of Continuing and Distance Education works closely with the academic schools to provide credit courses offered after 4:00 PM, off campus or on weekends, during intercession and during the summer. The office is responsible for all undergraduate and graduate courses offered via distance learning. Continuing and Distance Education also provides non-credit on-line courses and certificate programs.

Continuing Education opportunities are available for students who wish to further their own knowledge, gain professional expertise or for their own personal enjoyment. For more information, contact the Continuing and Distance Education Office at 508.531.2788 or visit the web site at www.brigewater.edu/CDE.

DEPARTMENTAL RESOURCES

The college offers extensive computer facilities for instructional purposes and resources that range from a Zeiss Electron Microscope in the Department of Biological Sciences and an astronomy observatory in the Department of Physics to a writing studio offered by the Department of English.

Facilities for weaving, ceramics, sculpture and painting are available in the Department of Art. A flight simulator is provided in the Department of Aviation Science. These and many other resources support the educational mission of the college and ensure that Bridgewater State College students can learn and apply contemporary knowledge and skills.
DISABILITY RESOURCES
In compliance with the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973, Bridgewater State College is committed to making its facilities, services, and programs accessible to all students. The staff of the Disability Resources Office assists students who have documented physical, psychological, and/or learning disabilities through the use of reasonable accommodations. To this end, accommodations are determined individually based on the student's documentation and are designed to ameliorate the student's functional limitations. Students whose primary disability is physical or psychological or who have multiple disabilities must make an appointment to see the disability resource coordinator. Those students whose primary disability is learning disabilities or attention deficit disorder must make an appointment to see the learning disabilities specialist. Disability Resources is located in the Academic Achievement Center in the Maxwell Library 508.531.1214 or 508.531.6113 TTY.

TECHNOLOGICAL RESOURCES
Bridgewater State College strives to remain in the forefront of educational technology. A wireless network across campus, an array of technology-enhanced courses, classroom and laboratories that integrate technology, a robust residence network service, and a program for student notebook computers combine to give Bridgewater State College students an advantage in our technologically based society.

THE COMPUTER NOTEBOOK PROGRAM
The college's computer notebook program, initiated in fall 2004, builds upon the college's strengths in technology to engage all students at Bridgewater State College in a technology-rich educational experience and to help students develop skills that will be invaluable before and after graduation. Students can access the Internet using the college's wireless network, find and view course information and communicate with their classmates, and stay connected at home to keep up on e-mail and homework.

Beginning with freshmen entering in the Fall of 2004 and applying to all subsequent entering classes, the college requires new full-time undergraduate students to own a notebook computer. This policy also applies to full-time transfer students whose accumulated credits place them in a graduating class for which notebooks are required. Students may purchase a computer on their own that meets the minimum specifications or may purchase their notebook through the college's agreement with a selected vendor offering competitive prices and the standard suite of office software. More information about the notebook program can be found at http://notebooks.bridgew.edu/.

THE ONLINE WORLD: BLACKBOARD AND INFOBEAR
Many of the courses at Bridgewater State College are enhanced by course Web sites developed through the Blackboard learning portal. Using their personal Blackboard account, students enroll in their course Web sites; gain access to course syllabi, materials and other information posted by the professors; engage in online discussions; collaborate with fellow students; view grades on assignments and tests in a course; and sometimes even take quizzes or prepare for exams in the online environment.

InfoBear is a Web-based service provided by Bridgewater State College to allow quick and convenient access to each student's course enrollment, transcripts showing progress toward graduation, course grades and other information. Students also register for the following semester's courses through InfoBear, which is available through the college Web site and requires a student identification number and personal identification number.

WEB-BASED COURSES
Learning in our society is no longer limited to the classroom, and it is important for lifelong learning for students to be able to learn from a variety of information sources. Bridgewater State College students have the opportunity to take courses delivered by a range of technologies. In addition to the many courses that use Blackboard to enhance the learning experience, the college also offers Web-based courses that are offered primarily over the Internet. Requirements include access to a notebook or desktop computer with printer and Internet connection, Web browsing capability and e-mail. Instructors determine the mix of technologies that are employed in their courses. For most Web-based courses, a certain number of class meetings on campus may still be required.

WIRELESS NETWORK
Bridgewater State College has provided wireless network connectivity across the entire campus since fall 2001. Staff, faculty, students and visitors with wireless-enabled notebook computers are able to connect to the network from anywhere on campus, including classrooms, labs, offices, lounges, the library and outdoors. This enables users to access the Internet, read e-mail and connect to all of the college's online resources at any time. Due to wireless access points being placed throughout the college campus, students can walk from one side of the campus to the other while remaining connected to the network.

RESIDENCE NETWORK
The residence network (ResNet) service provides all resident students with high-speed Internet access, reduced long distance telephone charges, voice mail, and cable TV which includes HBO, NESN and movie channels which air on Residence Life Cinema. Every month, 16 recently released feature films are available for viewing.

The ResNet program is handled by one payment each semester, which provides for all support needed to ensure the availability of these services. Further information on the ResNet program can be found at http://resnet.bridgew.edu/.

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**JOHN JOSEPH MOAKLEY CENTER FOR TECHNOLOGICAL APPLICATIONS**
The Moakley Center has been supporting the technology needs of Bridgewater State College students as well as the region's educators and businesses since its opening in 1995. The Moakley Center is a technology-integrated, 50,000-square-foot learning venue that focuses the power of technology on its guiding principle that education is a lifelong process.

A 213-seat amphitheater features a full complement of the latest multimedia presentation technologies. Its television/video production facility grants access to digital editing and complete teleconference capabilities for students, businesses, and educators. Several multimedia training rooms offer the latest in technology-enhanced learning.

A variety of technology-based resources and programs are housed in the Moakley Center. These include the RiverNet Watershed Access Lab; CityLab; the Teaching and Technology Support Center; a digital music classroom; the Center for the Advancement of Research and Teaching (CART) and the GeoGraphics Laboratory.

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**OPPORTUNITIES FOR LEARNING BEYOND THE CLASSROOM**

**THE HONORS PROGRAM**
The Honors Program at Bridgewater State College encourages gifted and highly motivated students to reach their highest potential through critical thinking, scholarship and research. Small classes and close student-faculty relations provide for the vigorous and thorough exchange of ideas, while the program as a whole works to create an atmosphere fostering intellectual, artistic and academic achievement.

The program does not require students to complete additional course work beyond the credit hours necessary for graduation; instead, students earn honors credits by taking honors sections of regular courses and/or honors colloquia during their freshman and sophomore years, and by undertaking individualized research programs with faculty mentors during their junior and senior years. For information on funds available to support student research, see the "Adrian Tinsley Program for Undergraduate Research" below.

Honors students meet with the director or assistant director once a semester to discuss their work in the program. For all honors work completed with a grade of B (3.0) or higher, students receive honors credit on their transcripts, and those who complete the program receive an honors degree—a goal worth serious effort both for the intrinsic satisfaction it brings and the advantages it provides at a time of strong competition for graduate and career opportunities.

**Commonwealth and Departmental Honors**
Students can participate in the Honors Program in two ways: by undertaking all of the requirements listed for Commonwealth Honors or by undertaking the requirements listed only under Junior and Senior Years for Departmental Honors. Commonwealth Honors thus runs throughout a student's undergraduate career, whereas Departmental Honors takes place only in the student's last two years. Commonwealth Honors includes the requirements for Departmental Honors; a student might undertake only Departmental Honors if he or she transferred to Bridgewater State College or developed an interest in pursuing honors work after the freshman year.

A complete description of the opportunities and requirements for the Honors Program is available at www.bridgew.edu/HonorsProgram/ or the "Academic Programs" section of this catalog.

**THE ADRIAN TINSLEY PROGRAM FOR UNDERGRADUATE RESEARCH**
The Adrian Tinsley Program for Undergraduate Research (www.bridgew.edu/atp/) provides opportunities to Bridgewater State College undergraduates who wish to pursue research, scholarship, or artistic work under the guidance of a full-time faculty or librarian mentor. Through ATP, students design and develop research projects, learn new research skills, gain a more sophisticated understanding of the nature of academic research, and have opportunities to present their research and creative work at regional and national conferences. The outcome of the program is for students to graduate with the self-confidence, motivation and ability to conduct independent scholarship and research.

The Tinsley Program supports a variety of undergraduate projects, conducted over the course of a semester, summer, or longer, involving research or other forms of scholarship or artistic work in all disciplines. The project may include laboratory research in the physical and life sciences; research in education, mathematics and business; scholarship in the humanities and social sciences; and stage performances, displays, or research in the visual arts and design.

The Tinsley Program provides year-round support of undergraduate research through a variety of competitive opportunities:

**Summer Grants** are awarded to students for work done over 10 weeks of the summer on an in-depth, research project conducted under the supervision of a BSC faculty or librarian mentor. The grant includes a stipend awarded to the student, who may also apply for additional money for research expenses, and a stipend for the faculty or librarian mentor.

**Semester Grants** are awarded each semester to offset the costs of research-related supplies and travel.

**Travel Grants** support students who present their research at regional or national conferences, and fund travel, lodging, registration and related fees.

**The National Conference on Undergraduate Research.** Bridgewater State College traditionally sends a number of students to the National Conference on Undergraduate Research (NCUR) which is held in different cities each year. Students may use their travel grants to attend the conference and present their work. The Undergraduate Research Symposium takes place in April each year in the Moakley Center and showcases undergradu-
The Undergraduate Academic Experience

ate research through oral and poster presentations and displays. Faculty, staff, students, administration and guests are welcome. The Undergraduate Review: A Journal of Research and Creative Work publishes undergraduate research annually. For more information and submission guidelines, see www.bridgev.edu/atp/ur.htm.

The Bridge: A Student Journal of Fine Arts
The Bridge is a journal of fiction, non-fiction, poetry and art created and published by undergraduate students. Once each year, students are invited to submit their creative works, which are competitively selected by a student editorial board. For more information, contact The Bridge at thebridgejournal@bridgev.edu, or at 508.531.2983.

Internships
Internships consist of both on and off-campus work experience with a site supervisor/employer for academic credit under the guidance of a faculty member or non-credit through the Internship Office. Internships allow students to gain career-related experience while in college, an important factor in finding the first professional position.

Students interested in internships should first check with their academic department if they wish to receive credit. Credited internships are usually tied to a student's academic major. Students need to have completed a specific number of credit hours and go through a formal approval process before credit can be awarded. To determine possible internship sites, students should check with their academic department as well as the Office of Career Services' Internship Program, which maintains a database of internship opportunities in the region. Some students who choose to do an internship but do not need credit may want to meet with the career services internship coordinator to help locate opportunities, prepare for the internship interview, develop a cover letter and resume and learn important tips for getting the most from the experience. These services are offered to any student looking for an internship whether or not it is for credit. For further information, see the "Academic Programs" section of this catalog.

Community Service and Service-Learning
Bridgewater State College believes firmly in the relevance and importance of experiential learning in all of its academic programs. Service-learning is a teaching method that uses community service to help students gain a deeper understanding of course objectives, acquire new knowledge and engage in civic activity. A number of faculty incorporate service-learning into their courses. The college has established a center for Community Service and Service-Learning in the Campus Center to develop community contacts and collect and disseminate information on service-learning and volunteer opportunities.

In addition, various student leadership programs at Bridgewater State College include community service components. Projects include Habitat for Humanity, Jumpstart, Earth Day projects, domestic and international alternative spring break programs, Old Colony Big Sister Big Brother, programs that focus on homelessness and poverty, Meals on Wheels and many more.

Children's Physical Developmental Clinic
For more than 30 years, Bridgewater State College has sponsored the Children's Physical Developmental Clinic (CPDC), a nationally recognized academic program that fosters professional development, community service, and leadership qualities. The CPDC affords students from all majors a challenging opportunity for volunteering as clinicians to work with children and youth with disabilities between the ages of 18 months to 18 years.

The aim of the clinic program is to improve the "total development" of children with disabilities by enhancing vital physical, motor, and aquatic skills and patterns. In addition, the program stresses the improvement of self-esteem of children by strengthening emotional-social aspects of their personalities through successful involvement in play, recreation and sport activities.

A hundred students serve as clinicians and support staff each semester making the CPDC the largest student organization on campus. Over the years, BSC students have determined that the CPDC not only augments their professional preparation; but, upon graduation, is most critical to them when seeking employment and entrance to graduate school.

Exchange and International Programs
Bridgewater State College students can study at many universities in the world, including those in countries such as Brazil, Spain, France and Portugal. Bridgewater State College has exchange programs in Brazil, Canada, England, Ireland, Japan and Jordan. Students have the opportunity to study in Canada at more than a dozen institutions, including McGill University. Scholarships are available, and financial aid may be used for all travel programs.

Through the National Student Exchange, students may spend up to one year attending a college or university in another state at the in-state tuition rate. The National Student Exchange directory describes more than 175 institutions involved in this program. For further information contact the Office of International Programs, www.bridgev.edu/international.

International Study Tours
Short-term faculty-led study tours to international locations are offered for undergraduate or graduate college credit. Each course is designed by a Bridgewater State College faculty member according to his/her regional and academic expertise, providing an opportunity for students to explore, firsthand, societies quite different from their own. These courses, which vary in length from 10 days to five weeks, are offered during winter intersession, spring break and summer. Study tour destinations have included Japan, Peru, Cuba and Ireland. The Bridgewater-at-Oxford program offers three weeks of summer study at Oxford University in England with a choice of political

Note: See Catalog Web Addenda at www.bridgev.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
CROSS REGISTRATION PROGRAMS

CAPS
College Academic Program Sharing (CAPS) is designed to provide full-time students attending a Massachusetts state college the opportunity to study at another state college to add a different or specialized dimension to their undergraduate studies. Students may participate for one or two semesters and complete up to 30 semester hours of credit without going through formal registration procedures. Tuition is covered within the student's full-time tuition charge at Bridgewater State College. Courses taken under the CAPS program are not included in the student’s GPA. All BSC students who wish to cross register as part of the CAPS program must apply through the Registrar's Office, Boyden Hall.

SACHEM
Through the Southeastern Association for Cooperation of Higher Education (SACHEM) program, qualified full-time students may cross-register for up to two courses each semester without going through formal registration procedures. Tuition is covered within the student's full-time tuition charge at Bridgewater State College. Courses taken under the SACHEM program are not included in the student's GPA. Schools participating in this program include Bristol Community College, Cape Cod Community College, Dean College, Massachusetts Maritime Academy, Massasoit Community College, Stonehill College, University of Massachusetts at Dartmouth and Wheaton College. All BSC students who wish to cross register as part of the SACHEM program must apply through the Registrar's Office, Boyden Hall.

CAMPUS LIFE

GETTING STARTED: ORIENTATION FOR NEW STUDENTS
Bridgewater State College's orientation program has been designed to introduce new students and their families to the campus community. Through collaborative efforts between the divisions of Academic Affairs and Student Affairs, orientation provides programs that are conducive to the academic and developmental success of new students. The goals of orientation are to develop and coordinate programs that promote academic success, to enhance personal and social development, and to provide families and their students with information about services, support systems and issues facing college students.

Orientation is divided into two different programs. The initial program in June is a comprehensive two-day overnight introduction to the college with an emphasis on placement testing, academic advising, and registration for fall classes. Students also have an opportunity to meet with faculty and staff and learn about the resources available at the college. A one-day concurrent family program provides parents with information about services, support systems and resources for their students.

The second program is prior to the opening of classes in the fall when students are given the opportunity to meet new friends, learn the traditions of Bridgewater State College and receive assistance with transition to college life.

COLLEGE EVENTS AND SPECIAL PROGRAMS
Literally hundreds of interesting programs, projects and events are available at Bridgewater State College throughout each year. Academic, cultural and social activities and programs are sponsored each year by students, faculty, staff and alumni of the college and include, but are certainly not limited to: Homecoming, Parents Day, Convocation, the Massachusetts Hall of Black Achievement at Bridgewater State College, Dr. Martin Luther King Jr. Day Celebration and Breakfast, Awards for Excellence, Springfest and the Holiday Concert.

Consult the Bridgewater State College Web site, the numerous bulletin boards across the campus, as well as college publications, for information on campus events as they arise.

CULTURAL, SOCIAL, ATHLETIC AND RECREATIONAL ACTIVITIES
In addition to classroom instruction, Bridgewater State College offers students a full social, cultural, athletic, recreational and religious life. Art exhibits, lectures, concerts, movies, plays, workshops and sports events make for an active campus schedule. (Please refer to the college Web site www.bridgew.edu for a complete listing of clubs, organizations and a calendar of campus events.)

Through programs sponsored by the Office of Student Involvement and Leadership, the Student Government Association, the Program Committee and other organizations, members of the college community have opportunities to attend events featuring significant public figures and internationally acclaimed performing artists.

The Art Building and Maxwell Library feature galleries where exhibits are displayed and the Rondileau Campus Center offers special programs such as performances by the college Chorale Society and the Bridgewater State College Dance Company. For students who enjoy the theater, Bridgewater State College has much to offer. Major productions are presented by students in the Theater department throughout the year.

Bridgewater State College has a strong athletic tradition, which has grown to include 21 intercollegiate varsity sports teams, a full range of intramural athletic programs, and a number of club sports programs. The Adrian Tinsley Center features a state-of-the-art fitness center, a walking track and multi-sport surfaces. The college is a member of the National Collegiate Athletic Association (NCAA).
The Undergraduate Academic Experience

Division III, the Eastern Collegiate Athletic Conference (ECAC) and the Massachusetts State College Athletic Conference (MASCAC).

Community members keep abreast of events and programs through a variety of campus media. The student newspaper, The Comment, and the college's home page focus on news and feature stories highlighting campus life and individual achievements.

The campus radio station, WBIM-FM, provides coverage of events plus a full range of musical and special interest programming. Resident students have access to a cable television local access channel offering college news and information. The Office of Public Affairs maintains a Campus Events Line 508.531.1768, a weekly recording of campus events.

Religious Life
The college supports student pursuit of spirituality both individually and in groups. The college provides groups of students the opportunity to form student organizations so they may utilize college facilities for meetings and events as well as request funding from the Student Government Association. The Catholic Center (122 Park Avenue) and the Christian Fellowship Center (29 Shaw Road) are independent entities that offer students both group and individual opportunities for worship and service.

Services to Students
Students face many decisions involving housing, finances, health, work, academic programs, post-undergraduate study and career goals. The Office of Student Affairs provides assistance in making these decisions through personal and career counseling, off- and on-campus housing information, health services, child care center, social activities, and student advocacy. The Bridgewater State College Student Handbook provides detailed information about these services. It is available at www.bridgew.edu/handbook/.

Children's Center
The Children's Center provides high quality care and education to preschool aged children. Open from the beginning of the fall semester in September through the end of Summer Session II in August, the center offers nine different enrollment options ranging from two half days to five full days. This model program, accredited by the National Association for the Education of Young Children, is also available for observation, field work, and data collection. The Children's Center is located in the Burnell Campus School, Room 135. For additional information contact the Children's Center at 508.531.1244, www.bridgew.edu/childrenscenter/ or by e-mail at childrenscenter@bridgew.edu.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Undergraduate Admissions

For information about admission to graduate programs, please consult the "School of Graduate Studies" section of this catalog.

Bridgewater State College seeks to admit students who give evidence of intellectual capacity, motivation, character and who have a record of scholastic achievement. An effort is made to attract candidates of diverse academic, economic, racial, religious and geographic backgrounds. The admission requirements and procedures are designed to assist the college to select a freshman class from those applicants who can benefit from the educational opportunities at Bridgewater State College.

Bridgewater State College does not discriminate on the basis of race, sex, sexual orientation, color, religion, age, or national or ethnic origin. In addition, no otherwise qualified handicapped applicant shall, solely by reason of handicap, be excluded from admission.

FRESHMAN ADMISSION REQUIREMENTS

APPLICATION FORM
Each candidate should submit the Bridgewater State College application. The form, aside from collecting biographical data, allows the candidate to provide additional information concerning their academic and extracurricular interests. The college prefers students to apply online at the college's Web site, www.bridgew.edu, but also accepts the Common Application as well as other electronically formatted applications.

HIGH SCHOOL RECORD
Candidates must request an official transcript of their secondary school record be sent directly to the Office of Admissions. The strength of the applicant's curriculum, grades, weighted grade point average and class rank as well as the level of competition in the applicant's high school are taken into consideration.

The secondary program should include the following college preparatory subjects:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (a)</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (b)</td>
<td>3</td>
</tr>
<tr>
<td>Science (c)</td>
<td>3</td>
</tr>
<tr>
<td>History/Social Science (d)</td>
<td>2</td>
</tr>
<tr>
<td>Foreign Language (e)</td>
<td>2</td>
</tr>
<tr>
<td>Elective Units (f)</td>
<td>2</td>
</tr>
<tr>
<td>Related Courses (g)</td>
<td>4</td>
</tr>
</tbody>
</table>

a. English must be college preparatory courses in composition and literature, which include the development of reading, writing and comprehension skills.

b. Mathematics must be college preparatory courses in such subjects as algebra, geometry, trigonometry, elementary functions and mathematical analysis. A fourth year of mathematics is strongly recommended for students who plan to enter fields such as computer science, management science, mathematics, pre-engineering or the sciences.

c. Two of the science courses must include laboratory work.

d. This requirement should include one year of United States history and government.

e. Students are encouraged to elect additional years of foreign language study.

f. Students should choose from additional college preparatory courses in English, mathematics, computer science, foreign language, natural and physical science, visual and performing arts and humanities.

g. Students are encouraged to elect courses that are consistent with their personal, educational and career goals. These courses may include, but are certainly not limited to, such offerings as computer science, business, communications, psychology and sociology.

Students graduating from vocational-technical high schools may substitute vocational-technical vocabulary course work for the foreign language requirement even if foreign language courses are offered in their high schools. Two vocational-technical courses may be used to fulfill the two required electives.

STANDARDIZED TEST SCORES
Candidates for admission to the freshman class must submit the results of the Scholastic Aptitude Test (SAT Reasoning Test) or the American College Test (ACT). Candidates should have official score reports forwarded directly from the Educational Testing Program or the American College Testing Program during the academic year in which application is made to the college.

For evaluation according to the provisions of Chapter 344, students with learning disabilities are expected to submit verification from their guidance office. In most cases, a copy of the student's current Individualized Educational Plan (IEP) is the appropriate verifying document. More specific documentation may be required for academic advising and special services when students enroll.

Chapter 344, Section 19 of the 1983 Acts and Resolves of the Commonwealth of Massachusetts states that: "No resident of the commonwealth who has been diagnosed as being developmentally disabled, including but not limited to, having dyslexia or other specific language disabilities, by any evaluation procedure prescribed by chapter seventy-one B, or equivalent testing, shall be required to take any standardized college entrance aptitude test to gain admittance to any public institution of higher education in the commonwealth. Admission shall be determined by all other relevant factors excluding standardized achievement testing."
Candidates who graduated from high school three or more years prior to their planned entrance date are exempt from the standardized testing requirement.

**FRESHMAN ADMISSION REVIEW**

Freshman admission to Bridgewater State College is selective. The Massachusetts Board of Higher Education has established minimum admission standards that require candidates to earn a "B" average for the required high school units mentioned above. Students whose average falls below this requirement can also meet the standard by the use of a sliding scale that begins with compensating SAT scores above 920, or an ACT composite score above 19. No student can be admitted whose high school grade point average falls below "C". Detailed information about the BHE admission standards can be found on their Web site, www.mass.edu. Admission decisions at Bridgewater are based upon the strength of the candidate's academic profile as compared to the pool of applicants. Generally, more than 7,000 applications are reviewed for a freshman class of 1,400.

Since Bridgewater State College seeks students who will contribute to the college in a variety of ways, other factors are considered in the admission decision. These include demonstrated leadership, participation in extracurricular activities, motivation, maturity and special aptitudes and talents. Letters of recommendation and any additional supporting information a candidate wishes to submit are welcomed and encouraged.

Special consideration is given to applicants out of high school for three years or more, students from educationally disadvantaged environments, working adults, and candidates who exhibit exceptional potential.

Interviews are not required. Students are encouraged to attend one of the many group information sessions offered throughout the year. Dates, times and a telephone reservation number are available in the Viewbook or on the college Web site, www.bridgew.edu.

Additional information concerning admission procedures, application fees, standardized testing requirements for admission, notification date and deferred enrollment may be found in the Viewbook. Copies may be obtained from the Office of Admissions – Gates House, Bridgewater State College, Bridgewater, MA 02325.

**TRANSFER ADMISSION REQUIREMENTS**

Bridgewater State College welcomes applications from qualified transfer students. To qualify for transfer admission, a student must have earned 12 semester hours of transferable credit; otherwise the applicant is considered under freshman admission requirements.

Transfer applicants will be evaluated on the basis of their previous college work and must request an official transcript to be sent from each college or university attended. Transfer applicants who have earned less than 24 transferable credits must also submit to an official high school transcript and standardized testing results.

It is expected that candidates for transfer admission will be in good standing at the last institution attended and will have earned a cumulative grade point average of 2.2 or higher on a 4.0 scale. Students transferring less than 24 semester hours of credit must present a minimum cumulative grade point average of 2.5 on a 4.0 scale. Special consideration may be granted for exceptional high school performance, evidence of maturity and motivation, or other extenuating circumstances and will be handled on an individual basis. **Please note that these are minimum eligibility requirements and do not guarantee admission to the college or to a specific degree program.**

Transfer credit toward the degree will be granted for course work completed at other accredited institutions of higher education. A minimum grade of C is required for credit transfer. Courses that do not have a direct equivalent at Bridgewater State College may be counted as fulfilling elective requirements in the curriculum. Transfer students are required to fulfill the same degree requirements as any other student; however, any student who has completed the general education requirements of one of the other Massachusetts State Colleges will not be subject to additional general education requirements at Bridgewater State College. One half of the required courses in major and minor fields must be completed at Bridgewater State College. Students transferring from an accredited two-year institution are limited to 69 hours of transfer credit toward the degree. Students transferring from an accredited four-year institution are limited to 90 hours of transfer credit toward the degree.

Grades for courses taken at an institution other than BSC are not used to compute a student's grade point average. Only courses actually taken at BSC are used to calculate a student's BSC grade point average.

**JOINT ADMISSION PROGRAM**

Bridgewater State College participates with the Massachusetts Community Colleges, Dean College, and Quincy College in Joint Admission. This program guarantees admission to Bridgewater State College for transfers from participating institutions who are enrolled in pre-approved programs of study, providing the associate degree is completed. Joint Admission students must maintain a cumulative grade point average at the two-year college of 2.5 or better to be eligible.

Transfers indicate their desire to participate in Joint Admission by contacting either the Admissions Office or Transfer Office at their community college. A written application for Joint Admission can be filed upon enrollment at the two-year participating institution. One semester prior to their planned enrollment at Bridgewater State College, Joint Admission students must file an Intent to Enroll form in lieu of a regular Bridgewater State

*Note: See Catalog Web Addenda at [www.bridgew.edu/catalog/entry/](http://www.bridgew.edu/catalog/entry/) as that information supersedes the published version of this catalog.*
Undergraduate Admissions

College application. This form is available from the Transfer Counselor at the participating colleges or the Office of Admissions at Bridgewater State College. To complete the review process, an official transcript of all college work completed to date at any prior institution(s) and the community college must be requested by the applicant. BSC’s Joint Admission deadlines are November 1 for spring and March 1 for fall.

Commonwealth Transfer Compact
For students transferring from Massachusetts community colleges to Bridgewater State College (Effective January, 1990)

I. Requirements for Transfer Compact Status
A student shall be eligible for transfer compact status if he or she has met the following requirements:

a. Completed an associate’s degree with a minimum of 60 hours exclusive of developmental course work.

b. Achieved a cumulative grade point average of not less than 2.0 (in a 4.0 system) at the community college awarding the degree. This is merely a minimum grade point average and by no means guarantees admission.

c. Completed the following minimum Core Curriculum Requirements, exclusive of developmental course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition/Writing</td>
<td>6</td>
</tr>
<tr>
<td>Behavioral and Social Science</td>
<td>9</td>
</tr>
<tr>
<td>Humanities and Fine Arts</td>
<td>9</td>
</tr>
<tr>
<td>Natural or Physical Science</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

The community college from which the student is applying is responsible for identifying on the transcript of the candidate that the student has fulfilled the compact specifications.

II. Credits to be Transferred
The 35 credits in Core Curriculum courses specified in section I will be applied toward the fulfillment of the Bridgewater State College general education requirements.

A minimum of 25 additional credits will be accepted as transfer credits. These credits may be transferred as free electives, toward any additional Core Curriculum Requirements, toward the student’s major, or any combination, as Bridgewater State College deems appropriate.

Only college-level course credits consistent with the recommended standards set forth in the Undergraduate Experience publication are included under this compact. Credits awarded by the sending institution through CLEP, challenge examinations and other life experience evaluations for course credit may be included when the community college certifies that a student qualifies under this compact.

III. Credits Beyond the Associate’s Degree
To complete the baccalaureate degree, a student who transfers under this compact may be required to take no more than 68 additional credits unless:

a. The student changes his or her program upon entering Bridgewater State College, or

b. The combination of additional Core Curriculum Requirements, if any, and the requirements of the student’s major at the receiving institution total more than 68 credits.

Under these circumstances, transfer students will be subject to the same requirements as students who began their undergraduate education at Bridgewater State College.

IV. Admission to Competitive Majors or Programs
If because of space or fiscal limitations the receiving institution does not admit all qualified applicants to a given major or program, the receiving institution will use the same criteria for applicants who are transfer students under this compact as it does for its native students.

V. Student Appeals
A student who believes that the provisions of this compact have not been applied fairly has the right to appeal.

Initially, differences of interpretation regarding the award of transfer credit shall be resolved between the student and the receiving institution. If a difference remains unresolved, the student shall present his or her evaluation of the situation to the institution from which the student is transferring. Representatives from the two institutions shall then have the opportunity to resolve the differences.

Absent a satisfactory resolution, differences of interpretation may be presented to the State-Wide Transfer Coordinating Committee.

Decision and Notification Dates
Early Action Program
Freshman candidates may apply under the Early Action Program. Candidates need to have fulfilled the standardized testing requirements on or before the November test date and will need to have their application complete and transcripts on file in the Office of Admissions by November 16.

Early Action applicants are notified by mid-December. The college either 1) offers admission, 2) denies admission, or 3) defers admission and reviews the application again during the regular admissions cycle. A student offered admission under the Early Action Program has until the May 1 Candidates Reply Date to respond to the college’s offer.
Undergraduate Admissions

Regular Freshman Admission
Freshman applicants for the fall semester must submit their completed application by February 15 for consideration. Candidates meeting this deadline are notified of the Admission Committee decision no later than April 15. A limited number of freshman candidates are accepted for the spring semester each year. The application deadline for priority consideration is November 1.

Transfer Admissions
Transfer applications should be filed by April 1 for September admission or by November 1 for January admission for priority consideration.

Notification for transfer candidates is done on a rolling basis as the application file becomes complete. Notification for September admission begins in March.

Note: The college reserves the right to close admission at any time.

Reinstatement and Readmission
Undergraduate students who have not registered for courses for one or more semesters, or who have been academically separated from the College and who wish to re-enroll must file an application for reinstatement/readmission with the Office of Admission. An official transcript from all colleges attended (if any) since last enrolling at BSC as well as a personal statement explaining the circumstances of separation/non-enrollment must be submitted with the application while meeting the above published priority deadlines for transfer students.

Upon readmission/reinstatement, transfer credit, if applicable, will be awarded according to established policies. The grade point average achieved at BSC upon separation will be resumed as grades achieved at other institutions are not included when calculating a student’s BSC grade point average.

Students who have been academically separated from the College must meet the requirements of separation outlined by their appropriate Dean before being considered for readmission.

International Admission
International students who wish to apply for admission to the college should address a letter of inquiry to the Office of Admission indicating their educational background and intended area of study. Eligible candidates will be mailed a special international student admission application packet and asked to submit official transcripts and credentials. Students for whom English is a second language will be required to submit an official copy of results from the "Test of English as a Foreign Language" (TOEFL), unless they have at least two years experience in an American College or University.

Documentation of financial support resources is required.

All students applying as freshmen are required, in addition to TOEFL, to submit official results of the SATI Reasoning or ACT Assessment exam.

During the initial orientation/registration period, international students' TOEFL examination records and academic transcripts will be evaluated for placement in 1) appropriate English as a Second Language courses offered through the Department of Foreign Languages, and 2) in writing courses offered through the English Department. In addition to the above-mentioned mandatory records, other institutional placement exams may be required. Candidates should begin the application procedure no less than nine months in advance of the expected date of admission.

Placement Policy for ESL Populations
Students for whom English is a second language are evaluated and tested on their English proficiency upon admission to the College. Based on transcripts, Accuplacer, TOEFL and SAT scores, as well as pre-college writing samples and other valid methods of language proficiency assessment, students are placed in an appropriate level of English as a Second Language (ESL) and writing. Depending on placement, students will complete 0 to 6 credits in ESL. Students can take 3 additional credits in ESL.

Students are exempt from taking ESL courses based on the following criteria:
- reading score of 68 or above on the Accuplacer
- SAT verbal score of 450 or above
- GPA of 3.05 or above from a high school in the United States or another English-speaking country
- TOEFL score of 610 or above (paper-based) or 173 (computer-based)

Program for Registered Nurses
Provisions have been made for graduates of three-year diploma schools of nursing to complete programs leading to degrees in any of the academic majors being offered at the college.

While encouraging registered nurses to pursue degree work for personal enrichment, the college supports the guidelines of the National League of Nursing for the professional education of nurses. These guidelines caution nurses whose career goals include the opportunity to assume supervisory and/or teaching responsibilities in the field of nursing, that degree programs to be pursued should be taken only at those institutions which offer degrees in nursing education.

Through this special admissions program, students accepted to the college are granted 60 credit hours for their school or nursing work. Where applicable, these credits may be used to meet core curriculum, major or elective requirements. As with all others transferring into the college, registered nurses are expected to meet the same degree requirements as outlined in the "Undergraduate Academic Policies" section of this catalog.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
NEW ENGLAND REGIONAL STUDENT PROGRAM

Bridgewater State College participates in the New England Regional Student Program. The program is administered by the New England Board of Higher Education and is designed to permit qualified New England residents to study at the in-state tuition rate plus surcharge tuition in certain programs at Bridgewater State College.

Information about the program can be obtained from the Bridgewater State College Admissions Office.

ADVANCED STANDING

Advanced standing with college credit is granted to entering students who have demonstrated college-level proficiency through established procedures.

Advanced Placement Program

Bridgewater State College participates in the Advanced Placement Program of the College Board, providing academic credit for students qualified for advanced placement standing. Those interested should take the College Board Advanced Placement tests and have the results submitted to the Office of Admissions for evaluation. Students scoring three, four or five receive placement and credit from the college.

College-Level Examination Program (CLEP)

Bridgewater State College awards academic credits that students may earn through the College Level Exam Program (CLEP) of the College Board.

Credit earned with CLEP examinations may be applied towards fulfilling Core Curriculum Requirements, major, and elective requirements. The chart in this section provides information about the specific CLEP examinations and equivalent BSC courses.

Credit by CLEP is regarded as transfer credit and is not reflected in the BSC grade point average. CLEP transcripts are regarded as four-year-school transfer credit and are counted towards the maximum allowance of transfer credit. CLEP credit does not satisfy residency requirements for financial aid, student housing, or student medical insurance purposes.

CLEP credit may not be awarded if equivalent course work is completed either prior to or later than the equivalent CLEP examination or if the CLEP equivalent already appears on a student transcript. CLEP credit may not be retroactively substituted for requirements waived or satisfied through prior academic arrangement.

Bridgewater State College follows the American Council of Education (ACE) recommendation that a student achieve a minimum score of 50 to earn credit for most CLEP examinations. Please note that some exams require higher scores to earn full credit.

Students may arrange to take CLEP examinations at any of the national test centers, including Bridgewater State College. Those interested in taking CLEP examinations at BSC should contact the Office of Testing Services in the Academic Achievement Center at 508.531.1780.

BSC Office of testing Services: http://www.bridgew.edu/TestingServices
College Board Online: http://www.collegeboard.com/clep

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Score</th>
<th>BSC Course</th>
<th>BSC Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Accounting (retired 6/30/07)</td>
<td>50</td>
<td>ACFI 240/241</td>
<td>6</td>
</tr>
<tr>
<td>Financial Accounting (introduced 6/30/07)</td>
<td>50</td>
<td>ACFI 240/241</td>
<td>6</td>
</tr>
<tr>
<td>Introductory Business Law</td>
<td>50</td>
<td>ACFI 305</td>
<td>3</td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>50</td>
<td>COMP Elective</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>50</td>
<td>MGMT 130</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>50</td>
<td>MGMT 200</td>
<td>3</td>
</tr>
</tbody>
</table>

Composition and Literature

American Literature                                | 50    | ENGL 231 and 232 | 6          |
Analyzing and Interpreting Literature              | 50    | ENGL Elective    | 6          |
English Composition with Essay                     | 50    | ENGL 101 and 102 | 6          |
English Composition without Essay                  | 50    | Not recommended  |             |
English Literature                                 | 50    | ENGL 221 and 222 | 6          |
Freshman College Composition                       | 50    | Not recommended  |             |
Humanities                                         | 50    | ENGL 221 and ARTH 101 | 6
<table>
<thead>
<tr>
<th>Foreign Languages</th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>French Language, Level 1</td>
<td>50</td>
<td>LAFR 101 and 102</td>
<td>6</td>
</tr>
<tr>
<td>French Language, Level 2</td>
<td>62</td>
<td>LAFR 101/102/151/252</td>
<td>12</td>
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<td>German Language, Level 2</td>
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<td>Principles of Macroeconomics</td>
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<tr>
<td>Western Civilization II: 1648 to Present</td>
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<tr>
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<td>CHEM 131/132</td>
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<td>Precalculus</td>
<td>50</td>
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<td>3</td>
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**SECOND DEGREE OPTION**

A student who has earned a bachelor’s degree at Bridgewater State College or at another accredited institution may be admitted to the college to pursue an additional bachelor’s degree in a field of study substantially different from the initial degree program.

That student should make application through the Undergraduate Admissions Office, providing official transcripts from all previous colleges other than Bridgewater State College. Please note that second bachelor degree candidates are subject to transfer admission deadlines of April 1 for fall entrance and November 1 for spring entrance.

Admission is dependent on approval of the department in which the student wishes to pursue a major. Certain departments may recommend that the student pursue a graduate program with some prerequisite courses rather than a second bachelor's degree. Some majors have specific admission requirements and/or limited space, which may result in a student not being accepted into the desired major.

For second undergraduate degree graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**Note:** See Catalog Web Addenda at [www.bridgew.edu/catalog/addenda/](http://www.bridgew.edu/catalog/addenda/) as that information supersedes the published version of this catalog.
**Application Fees**
A nonrefundable undergraduate application and processing fee of $25 is required of all students applying for admission. Upon acceptance, an advance tuition deposit of $100 must be submitted by May 1 for commuter students accepted for the fall semester. Students accepted with on-campus housing must also submit a $150 residence hall deposit. The tuition deposit is nonrefundable.

All new students will be assessed an orientation fee upon entering the college. For students entering in the fall semester, this orientation fee will be $160 for freshmen and $80 for transfers and readmitted students. For the spring semester, the orientation fee is $80 for all students.

**Tuition and Fees 2007-2008 Academic Year**

**Daytime Course Charges**
Full-time undergraduate students who are Massachusetts residents pay approximately $910 per year in tuition and $4,993.00 in required fees. Students residing on campus are charged between $4,350.00 and $5,900.00 per year, depending on the facility occupied. Board for resident students is approximately $2,980.00 per year. Please note that all figures are subject to change.

For a breakdown of these costs, please see the Tuition and Fees table in the following pages. **It should be noted this schedule is subject to change.** Published tuition and fees are for the 2007-2008 academic year.

**Evening Course Charges**
Students enrolled in evening courses will be charged all tuition and fees associated with the cost to provide the evening programs. Evening tuition is charged at $38 per course credit with no credit hour maximum. Evening fees will be charged at $208.05 per credit hour with no credit hour maximum. Full-time undergraduate students who are Massachusetts residents taking 12 credit hours for evening courses pay approximately $912 per year in tuition and $4,993.20 in required fees. Students residing on campus are charged between $4,350.00 and $5,900.00 per year, depending on the facility occupied. Board for resident students is approximately $2,980.00 per year.

Please note that all figures are subject to change. For a breakdown of these costs, please see the Tuition and Fees table in the following pages. **It should be noted this schedule is subject to change.** Published tuition and fees are for the 2007-2008 academic year.

Please see below for special accommodations for evening student transactions with Bridgewater State College.

**Billing and Fee Payment**
Students are billed through the Office of Student Accounts twice annually, in July and November, prior to the start of each semester. Bills are sent to students at their permanent addresses as maintained in the Registrar’s Office. It is critical to notify the office immediately if your permanent address changes. Please visit the Registrar’s Office, Boyden Hall, Room 003, or print the Change of Address Form found at www.bridgew.edu. Bills must be returned by the due date indicated on the bill to avoid cancellation of the student’s course schedule. In an effort to aid our students with their tuition payments, we have made important changes regarding your student statement. Due to federal regulations, the signed certificates (the remittance portion of your statement) must be received by Bridgewater State College. See the Web page at www.bridgew.edu/studentaccounts/depts/fiscal/stuaccj.htm for the latest information on billing and payment procedures. Payment may be made by the following methods:

1. Check or money order payable to Bridgewater State College mailed to our lock box facility as printed on the portion of the bill you return in the return envelope provided.
2. MasterCard, Visa or Discover by providing your credit card number and expiration date:
   a. **call** our cashiers at 508.531.1225,
   b. **Web:** Select the Account Summary/Credit Card Payment link via your InfoBear account,
   c. **e-mail** this information to your student representative at first initial, last name @bridgew.edu (i.e., jsmith@bridgew.edu for Jane Smith); if you are unsure of your student representative’s name, please call the number listed above or visit the Web site listed above or
   d. **fax** this information to 508.531.6163.
3. Financial aid may be used to pay your tuition, fees, room, board, books, as well as flex points or dining points on your Connect Card.
   a. Students who have received an award letter from the Financial Aid Office may claim the award specifically designated for the semester. The amount to be claimed must be indicated on the bill and must be signed and returned by the due date to avoid cancellation of your course schedule.
   b. Students wishing to claim credit for financial assistance from sources other than the Bridgewater State College Financial Aid Office (outside scholarships, waivers, loans, etc.) must do so by indicating the amount of assistance on the bill. Official documentation verifying the assistance must be enclosed with the bill, which must be returned by the due date or your course schedule will be cancelled.
   c. Flex points may be used for laundry, vending, bookstore items, and food services at any location on campus which accepts the
Tuition and Fees

Connect Card. For more information on the Connect Card please see www.bridgew.edu/PSCC/ConnectCard.htm or call 508.531.2897.

For your convenience there is a 24 hour drop box located in Boyden Hall on the first floor outside the Student Accounts Office for your payments and signed bills. In addition, the Student Accounts Office is open evening hours the first two weeks of each semester Monday through Thursday 8 AM until 7 PM.

Students who take credits in excess of 118 percent of required credit hours for degree completion will be assessed a surcharge of $235 per credit hour for these credits. For example, students enrolled in baccalaureate programs may take up to 142 credits (118 percent of 120 minimum required credits) at no additional charge. Any credits taken in excess of 142 will be subject to the $235 per credit hour surcharge. In determining accumulated credit hours, students should exclude from their total any credits transferred in from other institutions.

Senior Citizens
Tuition and 1/2 fees in the day and/or 1/2 tuition and 1/2 fees for courses 4 PM or after are waived to any person 60 years of age or older. The person must pay 1/2 fees and bring proof of age to the Registrar’s Office to be eligible.

SGA (Student Government Association) Fee
This fee is charged to all matriculated undergraduate students attending classes.
Less than 12 semester hours ........................................... $25.00
12 semester hours or more ........................................... $50.00

Other Fees
Health Insurance Fee (waivable) $1,251.00
Parking Decal Fee (waivable) 8 credits or less .......... $50.00
9 credits or more .......... $125.00
Software Fee ................................................................. $15.00
Hospitalization/Major Medical coverage for all students carrying nine credits or more is required by Massachusetts state law.
A Student Health Insurance brochure can be obtained from the Office of Student Accounts 508.531.1225 or the Office of Health Services 508.531.1252. If a student is covered under a similar plan and wishes to waive the coverage, he/she must complete a waiver form which will be mailed along with your bill and return it to the Office of Health Services prior to payment of your bill. Failure to do so will leave an outstanding balance due on the student’s bill.

Full Year ................................................................. $1,251.00
Spring ................................................................. $735.00
Distance Learning Fee (interactive video conferencing courses, telecourses, teleweb courses and video courses) ........................................... $50.00

Official Transcript Charge (per copy with 2-5 working days to process) ................. $2.00
On-the-Spot Official Transcript Charge ........................................... $5.00

**SEMESTER RESIDENCE HALL AND DINING CHARGES**

<table>
<thead>
<tr>
<th>Room</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pope and Scott Halls*</td>
<td>$2,175.00</td>
</tr>
<tr>
<td>Woodward Hall*</td>
<td>$2,175.00</td>
</tr>
<tr>
<td>Shea/Durgin Halls*</td>
<td>$2,216.00</td>
</tr>
<tr>
<td>East Hall (Single)</td>
<td>$2,850.00</td>
</tr>
<tr>
<td>(Double)</td>
<td>$2,950.00</td>
</tr>
<tr>
<td>Crimson Hall (Single)</td>
<td>$3,200.00</td>
</tr>
<tr>
<td>(Double)</td>
<td>$3,290.00</td>
</tr>
<tr>
<td>Student Apartments*</td>
<td>$2,475.00</td>
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<tr>
<td>DiNardo/Miles*</td>
<td>$2,475.00</td>
</tr>
<tr>
<td>Mandatory Residential Activity Fee</td>
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</tr>
</tbody>
</table>

*Single rooms are $150.00 more per semester

**DINING CHARGES**

<table>
<thead>
<tr>
<th>MEAL PLAN</th>
<th>Base Meals</th>
<th>Dining $$$*</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan A</td>
<td>$1,280.00</td>
<td>$210.00</td>
<td>$1,490.00</td>
</tr>
<tr>
<td>Plan B</td>
<td>$950.00</td>
<td>$500.00</td>
<td>$1,450.00</td>
</tr>
<tr>
<td>Plan C</td>
<td>$100.00</td>
<td>$200.00</td>
<td>$300.00**</td>
</tr>
</tbody>
</table>

* Dining Dollars expire the end of each semester.
** Great Hill Student Apartments ONLY.

**TUITION MANAGEMENT PLAN**

In order to assist students in financing their education, the college has contracted exclusively with Tuition Management Systems. This company’s plan offers a low cost, flexible system for financing educational expenses out of current income through regularly scheduled payments over a 10-month period. For information call Tuition Management Systems, 1.800.722.4867, or refer to the Tuition Management Systems Web site www.afford.com.

**REFUND POLICY**

Notification Requirements:
All undergraduate matriculated (degree seeking) students who withdraw from school must communicate that withdrawal in writing through the Academic Achievement Center.

All graduate matriculated (degree seeking) students who withdraw from school (program) must communicate that withdrawal in writing through the School of Graduate Studies.

All withdrawals from courses must be communicated by the student in writing through the Registrar’s Office.

Non-attendance at class does not constitute official withdrawal and will result in a failing grade. Students are responsible for all course charges except when an official withdrawal from college form is on file.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
<table>
<thead>
<tr>
<th>Credits</th>
<th>Tuition</th>
<th>Fees</th>
<th>Total</th>
<th>Credits</th>
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<th>Fees</th>
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**ADDITIONAL FEES**

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<td>SGA 12 Credits or More (Student Gov. Assoc.)</td>
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<tr>
<td>SGA Less than 12 Credits (Student Gov. Assoc.)</td>
<td>$25.00</td>
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<tr>
<td>Software Fee ($1.25 per credit)</td>
<td>$15.00</td>
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<tr>
<td>Official Transcript Charge (per copy)</td>
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<tr>
<td>Official On-the-Spot Transcript Charge</td>
<td>$2.00</td>
</tr>
<tr>
<td>Health Insurance (waivable)</td>
<td>$5.00</td>
</tr>
<tr>
<td>Parking Decal (waivable) 8 credits or less*</td>
<td>$1,251.00</td>
</tr>
<tr>
<td>Parking Decal (waivable) 9 credits or more</td>
<td>$125.00</td>
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*1st yr. resident students with less than 24 credits are not permitted to purchase parking decals or bring a car to campus.

---

**RESIDENCE HALL CHARGES**

<table>
<thead>
<tr>
<th>Room Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shea/Durgin Hall*</td>
<td>$2,216.00</td>
</tr>
<tr>
<td>Woodward Hall*</td>
<td>$2,175.00</td>
</tr>
<tr>
<td>Great Hill Student Apartments*</td>
<td>$2,475.00</td>
</tr>
<tr>
<td>DiNardo/Miles Hall*</td>
<td>$2,475.00</td>
</tr>
<tr>
<td>East Hall: Single</td>
<td>$2,850.00</td>
</tr>
<tr>
<td>East Hall: Double</td>
<td>$2,550.00</td>
</tr>
<tr>
<td>Crimson Hall: Single</td>
<td>$3,200.00</td>
</tr>
<tr>
<td>Crimson Hall: Double</td>
<td>$2,950.00</td>
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<tr>
<td>Pope Hall and Scott Hall*</td>
<td>$2,175.00</td>
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<tr>
<td>Residential Activity Fee</td>
<td>$10.00</td>
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<td>ResNet Program Fee</td>
<td>$160.00</td>
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**DINING CHARGES**

<table>
<thead>
<tr>
<th>Meal Plan</th>
<th>Base Meals</th>
<th>Dining $$$*</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan A</td>
<td>$1,280.00</td>
<td>$210.00</td>
<td>$1,490.00</td>
</tr>
<tr>
<td>Plan B</td>
<td>$950.00</td>
<td>$500.00</td>
<td>$1,450.00</td>
</tr>
<tr>
<td>Plan C</td>
<td>$100.00</td>
<td>$200.00</td>
<td>$300.00**</td>
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*Dining Dollars expire the end of each semester.  
**Great Hill Student Apartments ONLY.

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**ORIENTATION FEE**

<table>
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<tr>
<th>Class Status</th>
<th>Cost</th>
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<tbody>
<tr>
<td>1st Time Fall Semester Freshman</td>
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<tr>
<td>1st Time Spring Semester Freshman</td>
<td>$80.00</td>
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<tr>
<td>1st Time Transfer Student</td>
<td>$80.00</td>
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</table>

Charges subject to change by action of the Massachusetts Board of Higher Education.
<table>
<thead>
<tr>
<th>Credits</th>
<th>Tuition</th>
<th>Fees</th>
<th>Total</th>
</tr>
</thead>
<tbody>
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<td>588.00</td>
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<td>3</td>
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<td>12</td>
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<td>5,964.00</td>
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<td>15</td>
<td>3,525.00</td>
<td>2,439.00</td>
<td>5,964.00</td>
</tr>
</tbody>
</table>

### ADDITIONAL FEES

- SGA 12 Credits or More (Student Gov. Assoc.) $50.00
- SGA Less than 12 Credits (Student Gov. Assoc.) $25.00
- Software Fee ($1.25 per credit) $15.00
- Official Transcript Charge (per copy) $2.00
- Official On-the-Spot Transcript Charge $5.00
- Health Insurance (waivable) $1,251.00
- Parking Decal (waivable) 8 credits or less $50.00
- Parking Decal (waivable) 9 credits or more $125.00

### RESIDENCE HALL CHARGES

- Room: 
  - Shea/Durgin Hall: Double $2,216.00
  - Woodward Hall: Double $2,175.00
  - Great Hill Student Apartments: Double $2,475.00
  - DiNardo/Miles Hall: Double $2,475.00
  - East Hall: Double $2,850.00
  - Crimson Hall: Double $2,950.00
  - Pope Hall and Scott Hall: $2,175.00
  - Residential Activity Fee $10.00
  - ResNet Program Fee $160.00

### DINING CHARGES

<table>
<thead>
<tr>
<th>Meal Plan</th>
<th>Base Meals</th>
<th>Dining $$$</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan A</td>
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<tr>
<td>Plan B</td>
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<td>$500.00</td>
<td>$1,450.00</td>
</tr>
<tr>
<td>Plan C</td>
<td>$100.00</td>
<td>$200.00</td>
<td>$300.00</td>
</tr>
</tbody>
</table>

*Dining Dollars expire the end of each semester.
**Great Hill Student Apartments ONLY.

### ORIENTATION FEE

- 1st Time Fall Semester Freshman $160.00
- 1st Time Spring Semester Freshman $80.00
- 1st Time Transfer Student $80.00

Charges subject to change by action of the Massachusetts Board of Higher Education.
1. Standard and "Non-Standard Date" Semester Courses
Policy 1.1. Full-Semester Courses. Refunds for Full-Semester Courses will be awarded as follows: 100 percent refund during the drop/add period; 85 percent refund in the second week, during the four weekdays after the drop/add period has ended; and a 70 percent refund during the third week of the semester. No refund will be available thereafter.

Policy 1.2. Seven-Week Quarter Courses. Refunds for Seven-Week Quarter Courses will be awarded as follows: 100 percent refund during the drop/add period; 70 percent refund during weekdays 4 and 5 of the quarter. No refund will be available thereafter.

Policy 1.3. Odd-Day, Non-Standard Courses. The refund for Odd-Day, Non-Standard Courses will be 100 percent refund during the drop/add period. No refund will be available thereafter.

2. Non-Credit Courses Offered Through Continuing Education
Policy 2.1. Non-Technology Courses. The refund for non-technology courses will be 100 percent prior to the start of the course. No refund will be available thereafter.

Policy 2.2.A. Technology Courses (deposits). The refund policy for deposits for Technology courses will be 100 percent five or more days (including weekend days) prior to the start of class; no refund for four or fewer days (including weekend days) prior to the start of class.

Policy 2.2.B. Technology Courses (course fee). The refund policy for course fees for Technology courses will be 90 percent up to the end of the first class; no refund thereafter.

3. Summer Courses
Policy 3.1. 5-Week Summer Courses. Refunds for 5-Week Summer Courses will be awarded as follows: 100 percent refund during the drop/add period; 70 percent refund during weekdays four and five of the summer session; and no refund thereafter.

Policy 3.2. 10-Week Summer Courses. Refunds for 10-Week Summer Courses will be awarded as follows: 100 percent refund during the drop/add period; 70 percent refund during the 3 weekdays after the drop/add period has ended; and no refund thereafter.

Policy 3.3. Odd-Day, Non-Standard Courses. The refund for these courses will be 100 percent during the drop/add period; no refund thereafter.

4. Housing, Meal Plan, and Dining and Flex Dollars
Policy 4.1. Housing. Refunds for housing will be awarded as follows: 100 percent refund during the drop/add period; 85 percent refund in the second week, during the four weekdays after the drop/add period has ended; and a 70 percent refund during the third week of the semester. No refund thereafter.

Policy 4.2. Meal Plan – Dining. Refunds for Meal Plan – Dining options will be awarded as follows: 100 percent refund during the drop/add period; 85 percent refund in the second week, during the four weekdays after the drop/add period has ended; and a 70 percent refund during the third week of the semester. No refund thereafter.

Policy 4.3.A. Flex Dollars (Students). Flex dollars carry from year to year and balances greater than $20* are refundable at the time of graduation/withdrawal from the college.
- If the student’s college account is paid in full, we will issue a refund to the cardholder within 60 days of graduation or withdrawal.
- If the student has an outstanding balance with the college, we will apply the flex dollars balance to that account.

Policy 4.3.B. Flex Dollars (Employees). Flex dollars carry from year to year and balances greater than $20* are refundable at the end of employment with the College. A refund will be issued within 60 days of the end of employment.

* There will be a $20 processing fee deducted from the balance prior to refund.

RETURN OF FINANCIAL AID POLICY
Students who receive financial aid and withdraw from the college during the semester may not be eligible for their entire financial aid award. A revised financial aid award notice will be mailed to students once awards have been adjusted. Bridgewater State College must return federal and state grants, loans and scholarships to the federal or state government based on the student’s length of enrollment. The student may retain only a pro-rated portion of the federal and state aid awarded based on the length of the term and the student’s withdrawal date. The remainder of the student’s financial aid must be returned by BSC to the Department of Education or Commonwealth of Massachusetts. If the student received a cash disbursement of aid, he or she may owe a repayment to BSC or to the federal government.

The Return of Title IV Funds requirement remains in effect until the 60 percent point of the semester. See Web site for actual
dates in the current semester. After those dates the student may retain all financial aid.

Bridgewater State College uses the Federal Return of Title IV Funds formula and dates to calculate the amount of institutional scholarship/grant funds a withdrawn student may retain.

It is very possible that a student who receives financial aid and withdraws during the Return of Title IV funds period will owe a balance to the BSC Student Accounts Office and may be required to repay funds to the U.S. Department of Education.

All undergraduate, matriculated (degree seeking) students who withdraw from school must notify, in writing, both the Academic Achievement Center and the Financial Aid Office.

All graduate, matriculated (degree seeking) students who withdraw from school (program) must notify, in writing, both the School of Graduate Studies and the Financial Aid Office.

Note: Federal, State or Institutional regulations, and/or action by the Board of Higher Education may necessitate revision to the above Return of Financial Aid Policy.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
The mission of the Financial Aid Office at Bridgewater State College is to assist students and parents in financing their education. Our main goal is to ensure access for all who desire to pursue higher education.

Financial aid award packages may consist of a combination of resources such as grant, scholarship, tuition waiver, work–study and loan. An award package is always dependent on the availability of funds from the state and federal government. Awarding of funds is based on "need" which is the difference between the cost of attendance (COA) and the Expected Family Contribution (EFC).

The cost of attendance includes direct expenses such as tuition and fees, and also incorporates estimated costs for books and supplies, room and board, transportation and personal expenses. The expected family contribution is determined by using the federal need analysis formula when the Free Application for Federal Student Aid (FAFSA) is completed and processed. The difference between the two is the "need" which is met by financial aid funds.

**COST OF ATTENDANCE**

- FAMILY CONTRIBUTION
- FINANCIAL NEED

All students who desire consideration for financial aid funds must complete the FAFSA each year. FAFSA on the Web (www.fafsa.ed.gov) is the easiest and fastest way to apply. The entire process can be completed electronically when both the student and the parent apply for a Personal Identification Number (PIN), which allows the family to sign the application electronically. Apply at: www.pin.ed.gov. The PIN permits a family to sign and access the FAFSA year after year; there is no need to reapply for a PIN each year.

For those who prefer, the paper version of the FAFSA may be obtained from the financial aid office, high school guidance office, or local college. Processing a paper version of the FAFSA may take up to four weeks. The financial aid office strongly encourages families to file early, and to file on line whenever possible.

To obtain priority consideration for financial aid funds, the federal government must receive the student’s completed FAFSA by March 1st of the award year. This is a receipt date, not a postmark date. Electronic applications are considered received when you click the "submit" button at the end of the application process from your computer. Applicants should print a copy of their confirmation page when applying on line.

Applications are accepted after the March 1st priority date, but awards will be made on a funds-available basis. Applications for the spring semester are accepted on a rolling basis.

Students must reapply for financial aid funds each year they attend the College. Although the amount and type of aid offered may be changed due to funding availability and program guidelines, an applicant will continue to be eligible as long as financial need is demonstrated and the student maintains satisfactory academic progress. Please see the section of Satisfactory Academic Progress and Student Financial Aid.

The college has strict guidelines regarding refunds of tuition and the distribution of financial aid funds for students who withdraw from the institution. Please refer to the refund section of this catalog.

Financial aid is available for study abroad.

For a complete list and description of financial aid programs see www.bridgew.edu/financialaid/FinAidPrograms.cfm or contact the Financial Aid Office at 508.531.1341 for details.

**Satisfactory Academic Progress and Student Financial Aid**

Satisfactory Academic Progress (SAP) is a federal policy that measures two components: quantitative and qualitative progress.

The quantitative portion requires students attending an institution that awards federal financial aid be making progress toward the completion of their degree within a reasonable period of time. All attempted credits count toward the calculation, and withdrawals, failures, and incomplete grades will all negatively impact a student’s progress. The state of Massachusetts and Bridgewater State College’s institutional financial aid programs adhere to the same standards. Since standards are applied to all students, one does not necessarily have to be a financial aid applicant to fall under the auspices of this regulation.

The maximum time frame for completing an undergraduate degree is 150 percent of the published length of the program. For programs that are 120 credits, a student would be allowed to attempt no more than 180 credits before completing the requirements for their degree. Generally, for full time students, this is equal to six years. Students who have not completed their degree within this parameter would be deemed ineligible for financial aid.

Since a student has 150 percent of the published length of a program to complete their degree, one must complete at least 75 percent of all credits attempted to maintain compliance with the satisfactory progress standards. Courses that do not carry credit, but are successfully completed, are not considered punitive under the calculation. Progress is measured over time, and the entire academic record is reviewed at the end of each academic year. Repeating classes for which a passing grade has already been earned will negatively impact a student’s progress since no additional credits are earned, but additional credits are
Financial Aid

attempted. Students who do not meet the college’s standards are notified of the loss of financial aid eligibility prior to the start of the next semester. When a student is notified of their ineligibility, they are also given the opportunity to appeal, in writing, based on mitigating circumstances. Summer classes are included as attempted and/or completed credits in the following academic year (unless a special condition is imposed by the Satisfactory Progress Committee).

To remain in compliance with the satisfactory academic progress policy, a completion rate of 75 percent is required. Simply stated, a student must complete at least 75 percent of all attempted credits at the end of each academic year. To determine the number of credits required to maintain satisfactory progress, multiply the total number of attempted credits by 75 percent.

The following chart provides an example:

<table>
<thead>
<tr>
<th>Student Example</th>
<th>Total of Attempted Credits</th>
<th>Required to Complete (75 percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>30</td>
<td>23</td>
</tr>
<tr>
<td>#2</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>#3</td>
<td>65</td>
<td>49</td>
</tr>
<tr>
<td>#4</td>
<td>9</td>
<td>7</td>
</tr>
</tbody>
</table>

All appeals are reviewed by the Satisfactory Progress Committee, whose representatives are from the Registrar’s Office, Academic Achievement Center, and the Financial Aid Office. Decisions by the committee are final. A student whose appeal is approved will have their financial aid eligibility reinstated on a probationary basis. These students must be especially diligent in completing all attempted credits until compliance with the policy is reestablished. In some cases, a student’s eligibility may be regained for only one semester, with the stipulation that the student successfully complete all attempted credits to regain eligibility for the next semester.

Transfer credits are not evaluated toward the BSC completion rate that is performed at the end of each academic year. However, transfer credits will affect the maximum timeframe in which a student must earn their degree. For example, a student who transfers 60 credits toward an undergraduate degree would presumably have to earn 60 more credits to complete their BSC degree. Using the federal 150 percent rule, the student would be allowed to attempt only 90 more credits before losing financial aid eligibility.

The qualitative component of the policy deals with progress as it relates to the student’s Grade Point Average (GPA). Satisfactory academic progress standards adhere to the College’s policy for academic standards. (See chart below). Students who are academically separated from the college are not eligible for financial aid funds, unless they successfully appeal to the appropriate academic dean and are subsequently reinstated. If such a student has met the quantitative component of the Satisfactory Academic Progress policy, no further appeal is required, and financial aid can be reinstated. However, if the quantitative standard has not been met, the student must present an additional appeal to the satisfactory progress committee.

Academic Standards:

<table>
<thead>
<tr>
<th>Credit Hours Attempted</th>
<th>Academic Warning GPA</th>
<th>Probation GPA</th>
<th>Separation Below This GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.00</td>
</tr>
<tr>
<td>17-31</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.50</td>
</tr>
<tr>
<td>32-46</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.65</td>
</tr>
<tr>
<td>47-61</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.75</td>
</tr>
<tr>
<td>62-89</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.85</td>
</tr>
</tbody>
</table>

Eligibility can be regained in two ways: a student who is deemed ineligible may find an alternative funding source, continue to take classes, and regain eligibility on their own over time, or a student may instead decide to appeal to the Satisfactory Progress Committee. Students who submit their appeal by the deadline that is communicated in their letter will retain their on-time status if their FAFSA was received by the published preferred deadline of March 1 and all other required documents, if any, are submitted to the financial aid office in a timely manner. Appeals received after the deadline, if approved, will be processed on a funds-available basis regardless of the FAFSA receipt date. Appeals will be reviewed throughout the academic year.

This policy may be subject to changes or updates. The policy on the financial aid web page supersedes the policy in this catalog.

STUDENT EMPLOYMENT

In addition to the Federal Work Study Program, Bridgewater State College provides opportunities for employment both on and off campus through the Student Employment Center located in Boyden Hall. Services of the center are open to all Bridgewater State College students regardless of financial aid status.

ALUMNI SCHOLARSHIPS

The Bridgewater Alumni Association provides scholarships to Bridgewater undergraduate students. These individual scholarships are provided by separate trust funds, each specifying the particular criteria to be utilized in selecting a recipient for that award. Application forms are available during February each year and may be accessed on the BSC Web site at www.bridgew.edu.

GRADUATE ASSISTANTSHIPS

A limited number of graduate assistantships are offered by the Graduate School, subject to the availability of funds, in areas associated with certain programs of the college. For details

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Financial Aid

regarding graduate assistantships, see the “School of Graduate Studies” section of the catalog.

OTHER SCHOLARSHIPS
In order to give recognition and prestige to student achievement on campus, many academic departments, clubs, and campus organizations sponsor scholarships and monetary awards to deserving Bridgewater State College students. A complete listing may be found in the Bridgewater State College Handbook and further information regarding application procedures may be obtained in the Office of Student Affairs, or on the BSC Web site at www.bridgew.edu.

VETERANS’ AFFAIRS
The Veterans’ Affairs Office provides general information on Veterans Educational Assistance programs, educational guidance, and other related assistance. The Office is also responsible for maintaining veterans’ benefit records and for submitting necessary documentation for initial enrollment and continuing eligibility benefits.

Students who may be eligible for educational benefits include students who are enrolled in day or evening classes, either full- or part-time in undergraduate, graduate and some certificate programs and are veterans of World War II, Korean, Vietnam and post-Vietnam eras; men and women in the Reserves or National Guard; husbands, wives, widows, widowers and children of veterans whose death or permanent and total disabilities were service-connected; service-connected disabled veterans, dependents of servicemen missing in action or prisoners of war for more than 90 days.

For information concerning the Veterans’ Educational Assistance programs, the National Guard and selective reserve programs or the state tuition waiver program, please contact the Veterans’ Affairs Office, Financial Aid Office, Tillinghast Hall, or call or visit between the hours of 8:30 AM and 5 PM, Monday through Friday. Telephone 508.531.1341.

ROTC PROGRAMS
High school seniors can apply for four- and three-year scholarships plus fees. The scholarships range includes full-tuition, $15,000/year and $9,000/year. Scholarship winners also receive a $250-$400 stipend per month, a $600 book allowance and uniforms. Applications for scholarships are due by December 1 of senior year.

Freshmen and sophomores already in college can compete for 2-, 3-, and 3.5-year scholarships, some of which cover full tuition, others cover $15,000 per academic year. All scholarship winners receive a $250-$400 stipend per month, a $600 book allowance and uniforms.

If you are interested in joining the Air Force ROTC program or just want more information, contact the Department of Aerospace Studies, Boston University, 118 Bay State Road Boston, MA 02215 at 617-353-6316 or 4705.

Classes are held at Boston University. You can also visit the detachment website at: www.bu.edu/af-rotc.

AIR FORCE RESERVE OFFICER TRAINING CORPS
Air Force Reserve Officer Training Corps (ROTC) is an educational and leadership program designed to provide young men and women the opportunity to become Air Force officers while completing a bachelor’s or master’s degree. The Air Force ROTC program prepares students to assume challenging positions of responsibility and importance in the Air Force.

Through a cross-enrolled program with Boston University, interested Bridgewater State College students may participate in the Air Force Reserve Officer Training Corps Program. Requirements include yearly Aerospace Studies classes, Leadership Laboratory classes, and physical fitness training. Mandatory weekly time commitments range from 5 to 7 hours. Once students complete their degree, the Air Force offers a wide variety of career fields from which to choose including flying, opportunities as a pilot, navigator, or weapons controller. The Air Force has opportunities for students of ANY MAJOR.

In addition to the tremendous leadership and management training that cadets receive, they can also benefit from several scholarship programs.

If you are interested in joining the Air Force ROTC program or just want more information, contact the Department of Aerospace Studies, Boston University, 118 Bay State Road, Boston, MA 02215 at 617-353-6316 or 4705.

Classes are held at Boston University. You can also visit the detachment website at: www.bu.edu/af-rotc.
**BACHELOR OF ARTS/BACHELOR OF SCIENCE**
The Bachelor of Arts and Bachelor of Science degree programs prepare students for fields of endeavor related to the following areas of study and for graduate school. Some of the degree programs prepare students for secondary, middle school or PreK-12 specialist teaching if secondary education is selected as a minor.

- Accounting and Finance
- Anthropology
- Art
- Athletic Training
- Aviation Science
- Biology
- Chemistry
- Chemistry-Geology
- Communication Studies
- Computer Science
- Criminal Justice
- Earth Sciences
- Economics
- English
- Geography
- Health Education
- History
- Management
- Mathematics
- Music
- Philosophy
- Physical Education
- Physics
- Political Science
- Psychology
- Social Work
- Sociology
- Spanish

The decision as to whether to award the degree of Bachelor of Arts or the degree of Bachelor of Science shall be consistent with the standards in the student’s major field as determined by the major department.

In cases where students with double or dual majors are eligible for a BA, BS and/or BSE degree, the student will select which major department will make the decision regarding the degree to be awarded.

Students are advised to consult with their department chairperson or major adviser early in their academic career, but no later than the end of the sophomore year, in order to be certain that course selection will allow graduation with the desired degree.

Students should be aware that not all courses are offered in the evening. Students who are only able to enroll in classes 4:00 PM or after should consult the appropriate department chairperson for information about the availability of evening sections of courses required in a specific major, concentration and/or minor.

**BACHELOR OF SCIENCE IN EDUCATION**
All candidates for Massachusetts Educator Licensure are advised to check with their individual education departments or the School of Education and Allied Studies regarding proposed regulations changes which may have an impact on their licensure program.

All undergraduate and graduate students seeking licensure must consult the section of this catalog entitled “School of Education and Allied Studies” for important licensure information including institutional deadlines.

The Bachelor of Science in Education is offered in the following areas:

- Early Childhood Education
- Elementary Education
- Special Education

In cases where students with double or dual majors are eligible for a BA, BS and/or BSE degree, the student will select which major department will make the decision regarding the degree to be awarded.

Students should be aware that not all courses are offered in the evening. Students who are only able to enroll in classes 4:00 PM or after should consult the appropriate department chairperson for information about the availability of evening sections of courses required in a specific major, concentration and/or minor.

**MAJOR**
Students must meet all requirements of the major as specified under the departmental listings. A minimum of 30 credits and a maximum of 36 credits within the major may be required by a department. The 30 to 36 credits reflect all courses taken in the major department, including those that are listed under the distribution of Core Curriculum Requirements. At least one half of the required courses in the major field (excluding cognate requirements) must be successfully completed at this college. A minimum 2.0 GPA in the major is required for graduation. The major GPA includes all courses completed in the major field (excluding cognate requirements). The minor GPA includes all courses required for completion of the minor, regardless of the department in which the courses are offered. Students should select a major by the end of the sophomore year.

**DOUBLE MAJOR**
In order to graduate with a double major, students must meet all requirements of both majors. Completion of the double major will be reflected on the finalized transcript.

Students who wish to be elementary, early childhood or special
education teachers are required to select a major in elementary, early childhood or special education and a major in the liberal arts or sciences.

**Concentration**

A concentration is a unified set of courses usually composed of core requirements and of those additional course requirements particular to the chosen area of concentration. The total number of core and particular requirements must be at least 24 but not more than 36 credit hours. Cognate courses (required courses outside the major department) are not counted as part of the 36 hours. Only students selecting the major field of study may complete a concentration within that major. The concentration is noted on the transcript. Concentrations are available in:

**Accounting and Finance**

Accounting
Finance

**Anthropology**

Cultural Anthropology
General Anthropology
Public Archaeology

**Art**

Art Education
Art History
Crafts
Fine Arts
Graphic Design
Photography

**Aviation Science**

Aviation Management
Flight Training

**Biology**

Biomedical/Molecular Biology
Environmental Biology
General Biology

**Chemistry**

Biochemistry
Environmental Chemistry
Professional Chemistry

**Communication Studies**

Communication Studies
Dance Education
Theater Arts
Theater Education

**Early Childhood Education**

Early Education and Care, PreK-K

**Earth Sciences**

General
Environmental Geosciences
Geology

**English**

English Education (High School, Middle School)
Writing

**History**

Military History

**Management**

General Management (Human Resources, Operations)
Energy and Environmental Resources Management
Global Management
Information Systems Management
Marketing
Transportation

**Music**

Music Education

**Philosophy**

Applied Ethics

**Physical Education**

Coaching
Exercise Science/Health Fitness
Motor Development Therapy/Adapted Physical Education
Recreation
Recreation and Fitness Club Administration
Teacher Licensure in Physical Education (PreK-8)
Teacher Licensure in Physical Education (5-12)

**Physics**

General Physics
Professional Physics

**Political Science**

American Politics
International Affairs
Legal Studies
Public Administration

**Psychology**

Child Psychology
Industrial and Organizational Psychology
Medical and Health Psychology

**Sociology**

City, Community and Region
Education
Global Studies

**Special Education**

Communication Disorders

**Minor**

A minor is a unified set of courses chosen outside of the major field of study requiring not less than 18 nor more than 21 hours. The minor is recorded on the student's transcript. Minors may include courses from only one department or may be interdisciplinary. Students may use courses that satisfy Core Curriculum Requirements or departmental requirements to fulfill inter-
disciplinary minor requirements unless otherwise prohibited. At least one half of the courses required for the minor must be successfully completed through Bridgewater State College. Students must achieve a minimum 2.0 cumulative average in declared minors. The minor GPA includes all courses required for completion of the minor regardless of the department in which the courses are offered. Specific requirements for a minor are found under the departmental descriptions.

Minors are offered in:
- Accounting and Finance
- Actuarial Science
- Anthropology
- Art
- Art History
- Asian Studies
- Aviation Science
- Biochemistry
- Biology
- Biotechnology
- Canadian Studies
- Chemistry
- Civic Education and Community Leadership
- Coaching
- Communication Disorders
- Communication Studies
- Computer Science
- Criminal Justice
- Dance
- Earth Sciences
- Economics
- English
- Environmental Biology
- Ethnic Studies
- Exercise Physiology
- Forensic Psychology
- Geography
- Geophysics
- Health Promotion
- Health Resources Management
- History
- Irish-American Studies
- Latin American and Caribbean Studies
- Management
- Mathematics
- Music
- Philosophy
- Physics
- Political Science
- Portuguese
- Psychology
- Public History

Public Relations
Recreation
Russian and East European Studies
Secondary Education (High School, Middle School, PreK-12 Specialist)*
Social Welfare
Sociology
Spanish
Special Education
Theater Arts
Urban Affairs
Women's and Gender Studies

*Students who wish to become middle school, secondary teachers or PreK-12 specialists elect a minor in secondary education and a major from one of the major fields offered. This minor requires more than 21 hours in order to satisfy Massachusetts licensure standards.

All candidates for Massachusetts Educator Licensure are advised to check with their individual education departments or the School of Education and Allied Studies regarding proposed regulations changes which may have an impact on their licensure program.

All undergraduate and graduate students seeking licensure must consult the section of this catalog entitled "School of Education and Allied Studies" for important information including institutional deadlines.

**CORE CURRICULUM REQUIREMENTS**
Bridgewater State College’s Core Curriculum was developed to serve as the educational foundation that all Bridgewater State College students will build on to complete their program of study. The Core Curriculum features a skills-centered, outcomes-based distribution model of general education that allows students a wide choice of courses and the flexibility to integrate the requirements of their major with the broader, liberal education that is required of responsible citizens of the 21st century. Students who complete the BSC Core Curriculum will learn a significant body of factual knowledge as well as understand the intellectual foundations, conceptual frameworks, and methodologies of the major academic disciplines.

**The BSC Core Curriculum is composed of four main areas:**
1. **Skill Requirements:** All students are required to demonstrate proficiency in the skill areas of writing, logical reasoning, mathematical reasoning, and spoken communication.

2. **Core Distribution Requirements:** All students will learn about the arts, humanities, the natural and social and behavioral sciences, global culture, multiculturalism, application of quantitative skills and the U.S. and Massachusetts Constitutions.

Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda as that information supersedes the published version of this catalog.
3. **Seminars**: The First and Second Year Seminars are key features of the BSC Core Curriculum. These topic courses will allow students to explore an area of interest in a small, discussion-oriented course. The First Year Seminar is a writing intensive course designed to engage the student in college-level learning. The Second Year Seminar is either speaking or writing intensive and will engage students in the connections between classroom learning and the world.

4. **Requirements in the major**: To connect the Core Curriculum with each major, students will complete one writing intensive course in their major and will be able to demonstrate information literacy and technology proficiency in their major.

**Core Skills Requirements**
ENGL 101 Writing I (CWR1)*
ENGL 102 Writing II (CWR2)*

**Foundations of Logical Reasoning (CLOR)***
Select one course:
MATH 180 Transition to Advanced Mathematics
PHIL 111 Foundations of Logical Reasoning

**Foundations of Mathematical Reasoning (CMAR)**
Select one course:
MATH 100 Precalculus Mathematics
MATH 105 Selected Topics in Mathematics
MATH 107 Principles of Mathematics I
MATH 108 Principles of Mathematics II
MATH 110 Elementary Statistics I
MATH 120 Introduction to Linear Algebra
MATH 130 Discrete Mathematics I
MATH 141 Elements of Calculus I
MATH 142 Elements of Calculus II
MATH 144 Applied Calculus for Business
MATH 151 Calculus I
MATH 152 Calculus II

**Spoken Communication (CSPK)**
Select one course:
COMM 130 Human Communication Skills
COMM 250 Public Speaking
THEA 210 Oral Interpretation

**Core Distribution Requirements**
These courses will not satisfy the Core Skills Requirements. A course may be applied to a Core Distribution Requirement and one or more of the Additional Distribution Requirements. All requirements must be met.

* Must be taken in 1st year
** Must be taken in 2nd year
*** May be taken anytime

**Fine and Performing Arts (CFPA)**
Select two courses from below:
ARTH 101 Introduction to Art
ARTH 102 Introduction to Architecture
ARTH 201 Ancient and Medieval Art and Architecture
ARTH 202 Renaissance and Baroque Art and Architecture
ARTH 203 American Art and Architecture
ARTH 205 Asian Art Survey: India, China and Japan
ARTH 207 Introduction to African Art
ARTH 214 Art History Study Tour
ARTH 215 Themes in the Visual Arts
ARTH 217 African American Art
ARTH 218 History of Photography
ARTH 219 Mesoamerican Art and Architecture
ARTH 308 Women in the Visual Arts
ARTH 311 Orientalism
ARTS 104 Introduction to Digital Imaging and 4-D Design
ARTS 125 Drawing I
ARTS 130 Two-Dimensional Design
ARTS 140 Three-Dimensional Design
ARTS 204 Time-Based Art
MUSC 120 Class Guitar I (Classical Guitar)
MUSC 130 Voice Class I
MUSC 140 Class Piano I
MUSC 160 Music: A Listening Approach
MUSC 162 Music in African Culture
MUSC 163 Music of the Non-Western World
MUSC 165 Introduction to Women Composers
MUSC 166 Survey of American Jazz
MUSC 168 American Popular Music
MUSC 170 Music Fundamentals
MUSC 240 Class Piano II
PHED/THEA 146 Dance Appreciation
PHED/THEA 260 World Dance
THEA 110 Theater Appreciation
THEA 115 Play Production
THEA 120 Introduction to Acting
THEA/PHED 146 Dance Appreciation
THEA 222 Asian Theater
THEA 226 Children's Theater
THEA 236 The American Musical Theater
THEA/PHED 260 World Dance

**Humanities (CHUM)**
Select three courses from below:
ENGL 211 Literary Classics of Western Civilization to 1600
ENGL 214 The Classical Tradition
ENGL 221 Major British Writers to 1800
ENGL 222 Major British Writers since 1800
ENGL 231 Major American Writers to 1865
ENGL 232 Major American Writers since 1865
ENGL 233 Introduction to the African American Novel
ENGL 241 Shakespeare
ENGL 251 Literary Themes
ENGL 252 Literary Types
| ENGL 253 Non-Western Literature | PHIL 301 Plato and Aristotle |
| ENGL 254 Literature for Elementary Education Majors | PHIL 303 Major Modern Philosophers |
| ENGL 255 East Asian Literature in Translation | PHIL 305 American Philosophy |
| ENGL 261 Film Study: Introduction to the Art | PHIL 320 Topics in Philosophy |
| ENGL 262 Film Study: Literature and Film | PHIL 322 Philosophy of Law |
| ENGL 324 Language in Context | PHIL 325 Philosophy of Art |
| ENSL 101 English as a Second Language I | PHIL 328 Philosophy of Religion |
| ENSL 102 English as a Second Language II | PHIL 330 Amoralism, Egoism, and Altruism |
| ENSL 151 Intermediate English as a Second Language | PHIL 334 Free Will, Determinism, and Responsibility |
| HIST 111 Western Civilization to the Reformation | PHIL 402 Knowledge and Truth |
| HIST 112 Western Civilization since the Reformation | PHIL 403 Ethics and Action |
| HIST 131 World History to 1500 | PHIL 404 Mind and Language |
| HIST 132 World History since 1500 | WMST/INTD 240 Critical Perspectives in Women's and Gender Studies |
| HIST 151 Asian Civilization | |
| HIST 161 History and Culture of Mexico | |
| HIST 221 United States History and Constitutions to 1865 | |
| HIST 222 United States History and Constitutions since 1865 | |
| INTD/WMST 240 Critical Perspectives in Women's and Gender Studies | |
| LACH 101 Elementary Chinese I | |
| LACH 102 Elementary Chinese II | |
| LACV 101 Elementary Cape Verdean Creole | |
| LAFR 101 Elementary French I | |
| LAFR 102 Elementary French II | |
| LAGE 101 Elementary German I | |
| LAGE 102 Elementary German II | |
| LAIT 101 Elementary Italian I | |
| LAIT 102 Elementary Italian II | |
| LAJA 101 Elementary Japanese I | |
| LAJA 102 Elementary Japanese II | |
| LAJA 151 Intermediate Japanese | |
| LANG 300 Languages of the World | |
| LANG 350 International Women's Cinema | |
| LAPO 101 Elementary Portuguese I | |
| LAPO 102 Elementary Portuguese II | |
| LAPO 151 Intermediate Portuguese | |
| LARU 101 Elementary Russian I | |
| LARU 102 Elementary Russian II | |
| LARU 151 Intermediate Russian | |
| LASP 101 Elementary Spanish I | |
| LASP 102 Elementary Spanish II | |
| LASP 151 Intermediate Spanish | |
| LASP 230 Contemporary Latin America Short Story in Translation | |
| PHIL 203 Happiness and the Meaning of Life | |
| PHIL 205 Medical Ethics | |
| PHIL 207 Philosophy of Education | |
| PHIL 210 Liberation Ethics | |
| PHIL 212 Philosophies of India | |
| PHIL 213 Philosophies of China and Japan | |
| PHIL 215 Environmental Ethics | |
| PHIL 216 Values and Technology | |
| PHIL 229 Explaining the Paranormal | |
| PHIL 232 Philosophy of Feminist Thought | |
| PHIL 235 Human Rights and Human Liberties | |
| PHIL 248 Buddha, Socrates, Jesus | |

Natural Sciences (CNSL; CNSN)
Select two courses from below (one must be a laboratory science):

Laboratory Sciences (CNSL):
- BIOL 100 General Principles of Biology
- BIOL 102 Introduction to Zoology
- BIOL 117 The Biological Environment
- BIOL 121 General Biology I
- EASC 100 Physical Geology
- PHYS 100 Physics in the Natural World
- PHYS 107 Exploring the Universe
- PHYS 181 Elements of Physics I
- PHYS 182 Elements of Physics II
- PHYS 183 Aviation Physics
- PHYS 243 General Physics I
- PHYS 244 General Physics II

Non-Laboratory Sciences (CNSN):
- BIOL 110 Biology: A Human Approach
- BIOL 115 Microbial World and You
- BIOL 119 The Botanical World
- BIOL 128 The Biology of Human Sexuality
- EASC 102 History of the Earth
- EASC 194 Environmental Geology
- GEOG 122 The Physical World
- GEOG 130 Environmental Geography
- PHYS 102 Modern Physics for the Humanist
- PHYS 180 Energy and its Social Uses

Social and Behavioral Sciences (CSOC)
Select two courses from below:
- ANTH 100 Introduction to Cultural Anthropology
- ANTH 101 Biological Anthropology
- ANTH 103 Introduction to Archaeology
- ANTH 110 Introduction to Folklore
- ANTH 111 Myth and Culture
- ANTH 115 Anthropology of Race, Class and Gender
- ANTH 120 First Nations: Global Indigenous People
- ANTH 130 Introduction to Primates
- ANTH 204 Global Human Issues
- ANTH 206 Native Cultures of North America

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Undergraduate Academic Programs

ANTH 208 Anthropology of Women
ANTH 209 Peoples and Cultures of Africa
ANTH 213 Latin American Peoples and Cultures
ANTH 215 The Caribbean
ANTH 216 Peoples and Cultures of the Near East
ANTH 224 Anthropology of South Asia
ANTH 305 Culture Change
ANTH 307 Anthropology of Religion
ANTH 308 Anthropology of Education
ANTH 309 Anthropology of Art
ANTH 314 Women in Myth and Lore
ANTH 315 Ethnic Experience in America
ANTH 319 Contemporary Native Americans
ANTH 322 War, Peace and Culture
ANTH 328 Archaeology of North America
ANTH 330 Medical Anthropology
ANTH 331 Political Anthropology
ANTH 340 Myths and Peoples of the Ancient Near East
ANTH 355 Anthropological Study Tour
ANTH 404 Seminar: Culture and Consciousness
ANTH 405 Forensic Anthropology
ANTH 417 She/He: Two Spirits: Gender Cross-Culturally
ANTH 426 New England Ethnic and Regional Communities
ANTH 435 Global Anthropology

COMM 365 Introduction to Intercultural Communication
ECON 101 Principles of Microeconomics
ECON 102 Principles of Macroeconomics
GEOG 151 Human Geography
GEOG 171 Geography of the Global South
INTD 200 Introduction to Canadian Studies
POLI 172 Introduction to American Government
POLI 260 International Relations
POLI 274 Western Political Thought: Plato to the Present
POLI 275 Comparative Government
POLI 277 American Government: State and Local
POLI 279 Introduction to Public Administration
POLI 285 Law and the Judicial Process
POLI 350 Research Methods in Political Science
PSYC 100 Introductory Psychology
PSYC 200 Non-Western Theories of Personality
PSYC 230 Cross-Cultural Psychology
SOCI 102 Introduction to Sociology
SOCI 103 Social Problems
SOCI 104 Global Social Problems
SOCI 204 Gender, Sexuality and Society
SOCI 214 Middle Eastern Societies
SOCI 217 East Asian Societies: China and Japan
SOCI 218 Chinese Society and Culture
SOCI 219 Population and Society
SOCI 220 Third World Societies
SOCI 338 Game Theory and the Law
SOCI 360 Feminist Theory in Sociology
SOCI 391 Seminar: Social Data Analysis

Additional Distribution Requirements***
Core Skills courses may not satisfy these requirements, but courses listed in Core Distribution Requirement areas may also be listed here.

Writing Intensive (CWRT)
Select two courses from below.
Note: First Year and writing intensive Second Year Seminars may also be used.

ANTH 110 Introduction to Folklore
ANTH 111 Myth and Culture
ANTH 215 The Caribbean
ANTH 305 Culture Change
ANTH 307 Anthropology of Religion
ANTH 330 Medical Anthropology
ANTH 340 Myths and Peoples of the Ancient Near East
ANTH 404 Seminar: Culture and Consciousness
ANTH 426 New England Ethnic and Regional Communities
ARTH 214 Art History Study Tour
ENGL 211 Literary Classics of Western Civilization to 1600
ENGL 214 The Classical Tradition
ENGL 221 Major British Writers to 1800
ENGL 222 Major British Writers since 1800
ENGL 231 Major American Writers to 1865
ENGL 232 Major American Writers since 1865
ENGL 233 Introduction to the African American Novel
ENGL 241 Shakespeare
ENGL 251 Literary Themes
ENGL 252 Literary Types
ENGL 253 Non-Western Literature
ENGL 254 Literature for Elementary Education Majors
ENGL 255 East Asian Literature in Translation
ENGL 261 Film Study: Introduction to the Art
ENGL 262 Film Study: Literature and Film
HIST 161 History and Culture of Mexico
INTD/WMST 240 Critical Perspectives in Women’s and Gender Studies
PHIL 212 Philosophies of India
PHIL 213 Philosophies of China and Japan
PHIL 248 Buddha, Socrates, Jesus
PHIL 301 Plato and Aristotle
PHIL 303 Major Modern Philosophers
PHIL 305 American Philosophy
PHIL 320 Topics in Philosophy
PHIL 322 Philosophy of Law
PHIL 325 Philosophy of Art
PHIL 328 Philosophy of Religion
PHIL 330 Amoralism, Egoism, and Altruism
PHIL 334 Free Will, Determinism, and Responsibility
PHIL 402 Knowledge and Truth
PHIL 403 Ethics and Action
PHIL 404 Mind and Language
POLI 274 Western Political Thought: Plato to the Present
POLI 285 Law and the Judicial Process
SOCI 204 Gender, Sexuality and Society

*** May be taken anytime
SOCI 219 Population and Society
SOCI 360 Feminist Theory in Sociology
THEA 236 The American Musical Theater
WMST/INTD 240 Critical Perspectives in Women's and Gender Studies

Speaking Intensive (CSPI) or Additional Writing Intensive (CWRT)
Select one Speaking Intensive course (C SPI):
ANTH 216 Peoples and Cultures of the Near East
ARTH 218 History of Photography
ARTH 311 Orientalism

or an additional Writing Intensive Course (CWRT)

Note: First and Second Year Seminars may be used.

Writing Intensive in the Major (CWRM)
Select one course for each major as described in the major(s) requirements listed in the appropriate academic department section of this catalog.

Global Culture (CGCL)
Select two courses from below.
ANTH 100 Introduction to Cultural Anthropology
ANTH 110 Introduction to Folklore
ANTH 111 Myth and Culture
ANTH 120 First Nations: Global Indigenous People
ANTH 204 Global Human Issues
ANTH 206 Native Cultures of North America
ANTH 208 Anthropology of Women
ANTH 209 Peoples and Cultures of Africa
ANTH 213 Latin American Peoples and Cultures
ANTH 215 The Caribbean
ANTH 216 Peoples and Cultures of the Near East
ANTH 224 Anthropology of South Asia
ANTH 305 Culture Change
ANTH 307 Anthropology of Religion
ANTH 308 Anthropology of Education
ANTH 309 Anthropology of Art
ANTH 314 Women in Myth and Lore
ANTH 319 Contemporary Native Americans
ANTH 322 War, Peace and Culture
ANTH 328 Archaeology of North America
ANTH 330 Medical Anthropology
ANTH 331 Political Anthropology
ANTH 340 Myths and Peoples of the Ancient Near East
ANTH 404 Seminar: Culture and Consciousness
ANTH 417 She/He: Two Spirits: Gender Cross-Culturally
ANTH 435 Global Feminism
ARTH 101 Introduction to Art
ARTH 102 Introduction to Architecture
ARTH 201 Ancient and Medieval Art and Architecture
ARTH 202 Renaissance and Baroque Art and Architecture
ARTH 205 Asian Art Survey: India, China and Japan
ARTH 207 Introduction to African Art
ARTH 214 Art History Study Tour

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Undergraduate Academic Programs

SOCI 104 Global Social Problems
SOCI 214 Middle Eastern Societies
SOCI 217 East Asian Societies; China and Japan
SOCI 218 Chinese Society and Culture
SOCI 220 Third World Societies
THEA 222 Asian Theater
THEA/PHED 260 World Dance

Multiculturalism (CMCL)
Select one course from below.

ANTH 100 Introduction to Cultural Anthropology
ANTH 115 Anthropology of Race, Class and Gender
ANTH 204 Global Human Issues
ANTH 206 Native Cultures of North America
ANTH 208 Anthropology of Women
ANTH 209 Peoples and Cultures of Africa
ANTH 213 Latin American Peoples and Cultures
ANTH 215 The Caribbean
ANTH 216 Peoples and Cultures of the Near East
ANTH 308 Anthropology of Education
ANTH 315 Ethnic Experience in America
ANTH 319 Contemporary Native Americans
ANTH 322 War, Peace and Culture
ANTH 330 Medical Anthropology
ANTH 331 Political Anthropology
ANTH 417 She/He: Two Spirits: Gender Cross-Culturally
ANTH 426 New England Ethnic and Regional Communities
ANTH 435 Global Feminism
ARTH 203 American Art and Architecture
ARTH 205 Asian Art: India, China and Japan
ARTH 207 Introduction to African Art
ARTH 214 Art History Study Tour
ARTH 217 African American Art
ARTH 218 History of Photography
ARTH 308 Women in the Visual Arts
ARTH 311 Orientalism
COMM 365 Introduction to Intercultural Communication
ENGL 233 Introduction to the African American Novel
ENGL 255 East Asian Literature in Translation
ENGL 324 Language in Context
GEOG 151 Human Geography
GEOG 171 Geography of the Global South
HIST 111 Western Civilization to the Reformation
HIST 112 Western Civilization since the Reformation
HIST 131 World History to 1500
HIST 132 World History since 1500
HIST 151 Asian Civilization
HIST 161 History and Culture of Mexico
INDT/WMST 240 Critical Perspectives in Women's and Gender Studies
LANG 350 International Women's Cinema
LASP 230 Contemporary Latin American Short Story in Translation
MUSC 166 Survey of American Jazz
PHIL 210 Liberation Ethics
PHIL 212 Philosophies of India
PHIL 232 Philosophy of Feminist Thought
POLI 275 Comparative Government
PSYC 200 Non-Western Theories of Personality
PSYC 230 Cross-Cultural Psychology
SOCI 102 Introduction to Sociology
SOCI 103 Social Problems
SOCI 104 Global Social Problems
SOCI 204 Gender, Sexuality and Society
SOCI 214 Middle Eastern Societies
SOCI 217 East Asian Societies; China and Japan
SOCI 220 Third World Societies
SOCI 360 Feminist Theory in Sociology
SPED 203 Cultural Diversity Issues in Society and Schools
THEA 222 Asian Theater
WMST/INTD 240 Critical Perspectives in Women’s and Gender Studies

Application of Quantitative Skills (CQUR)
Select one course from below, or a second Mathematical Reasoning course may be taken (CMAR):

ACFI 130 Personal Finance
ACFI 240 Principles of Accounting I
ACFI 241 Principles of Accounting II
ACFI 340 Intermediate Accounting I
ACFI 341 Intermediate Accounting II
ACFI 350 Managerial Accounting
ACFI 385 Managerial Finance
BIOL 297 Biometry
PHYS 100 Physics in the Natural World
PHYS 102 Modern Physics for the Humanist
PHYS 107 Exploring the Universe
PHYS 180 Energy and Its Social Uses
PHYS 181 Elements of Physics I
PHYS 182 Elements of Physics II
PHYS 183 Aviation Physics
PHYS 243 General Physics I
PHYS 244 General Physics II
POLI 350 Research Methods in Political Science
SOCI 338 Game Theory and the Law
SOCI 391 Seminar: Social Data Analysis

United States and Massachusetts Constitutions (CUSC)
Select one course from below:

ACFI 305 Business Law I
HIST 221 United States History and Constitutions to 1865
HIST 222 United States History and Constitutions since 1865
POLI 172 Introduction to American Government
POLI 277 American Government: State and Local
POLI 279 Introduction to Public Administration
POLI 285 Law and the Judicial Process
### Seminars
Each seminar may also fulfill a Core Distribution Requirement and an Additional Distribution Requirement.

**XXX 199 First Year Seminar (CFYS)**

**XXX 298 Second Year Seminar (Speaking Intensive) (CSYS)**

**XXX 299 Second Year Seminar (Writing Intensive) (CSYS)**

Bridgewater State College considers any student with fewer than 24 credit hours to be a 1st year student and any student with 24-53 earned credit hours to be a 2nd year student.

Please note:
- Only certain BSC courses have been approved for use in the Core Curriculum. Please see [http://www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum) for a complete list of approved courses and for the most up to date information regarding the Core Curriculum.
- Students who entered BSC in the fall of 2006 or later as first time students to BSC MUST follow the new Core Curriculum.
- Students who matriculated at BSC prior to fall 2006 may petition to follow an earlier catalog.
- Students who transfer more than 23 credits to BSC will have the CFYS (First Year Seminar) waived. Students who transfer more than 53 credits will have the CSYS (Second Year Seminar) waived. However, transfer students will still need to fulfill the Writing Intensive and Speaking Intensive requirements.
- Appeals will be heard by the Associate Dean of Arts and Sciences.
- Transfer students who believe that they have met the outcomes for a BSC Core requirement by taking a course at another college should submit a Core Curriculum Substitution form to the Office of the Dean of Arts and Sciences.

### Directed Study
The college permits students to pursue their interests through directed study. Such an undertaking involves independent thinking, hard work and creativity along with the guidance and help of a faculty member. The end result should be a paper or project accepted by the faculty member working with the student. Directed Study, which is limited to three credits with a maximum of six credits for graduation purposes and is primarily for upperclassmen, is available for the pursuit of independent work. Application forms for directed study are available from the student’s major department and should be submitted to the department chairperson for his/her recommendation and then forwarded to the appropriate school dean for approval.

### Internship, Practicum, and Field Experience
A number of departments within the college offer students the opportunity to enroll in an internship, practicum or field experience for academic credit. Such experiences provide students, usually in their third or fourth year, the chance to undertake a supervised practical experience in their field of study. Normally, field experience opportunities are available only during the fall and spring semesters.

Students interested in such a field experience have the option of:
1. consulting with their faculty adviser for details on programs available through the department, or
2. developing their own program proposals, subject to the approval of the department.

If the field experience desired is proposed by the student, it is the student’s responsibility to locate a faculty member who will provide the necessary supervision.

#### Application and Selection
Application forms for a field experience are available from the student’s department. The completed form must be filed with the chairperson of the department in which the field experience is to be undertaken no later than the end of the first quarter of the semester prior to the semester in which the field experience is to be undertaken.

The department will screen all applications in order to select students best suited for the positions available. The chairperson will forward the application forms to the dean of the appropriate school for approval. The completed form must be received by the registrar's office prior to the end of the drop/add period to enroll the student.

Applicants to internships must have completed at least 54 credits with a minimum 2.5 cumulative GPA. Departments may set higher standards.

#### Supervision and Grading
Supervision, evaluation and grading of a field experience is the responsibility of a faculty member in the department offering the program. A student may be removed from the program if, in the judgement of the faculty supervisor, it is in the best interests of the student, agency and/or college. Grades are based on written evaluations from both the faculty supervisor and the agency supervisor.

#### Credit
From 3 to 15 credits in field experience may be earned and applied toward graduation requirements. The number of credits which may apply toward the major will be determined by each department. A minimum of 45 clock hours in the field is required for each credit hour granted.

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**Note:** See Catalog Web Addenda at [www.bridgew.edu/catalog/addenda/](http://www.bridgew.edu/catalog/addenda/) as that information supersedes the published version of this catalog.
Compensation
Normally, students may not be compensated except for minimal amounts to cover such expenses as travel.

Honors Program
The Honors Program at Bridgewater State College encourages gifted and highly motivated students to reach their highest potential through critical thinking, scholarship and research. Small classes and close student-faculty relations provide for the vigorous and thorough exchange of ideas, while the program as a whole attempts to create an atmosphere fostering intellectual, artistic and academic achievement.

The program does not require students to complete additional coursework beyond the 120 credit hours necessary for graduation; instead, students earn honors credits, as described below, by taking honors sections of regular courses and/or honors colloquia during their freshman and sophomore years, by completing honors work in certain 300 and 400 level courses during their junior and senior years, and by researching and writing an honors thesis in their senior year.

Honors students are required to meet with either of the directors once a semester to discuss their work in the program.

For all honors work completed with a grade of B (3.0) or higher, students receive honors credit on their transcripts, and those who complete the program receive an honors degree — a goal worth serious effort both for the intrinsic satisfaction it brings and the advantage it provides at a time of strong competition for graduate and career opportunities.

Commonwealth Honors
Students can participate in the Honors Program in two ways: by undertaking all of the requirements listed below for Commonwealth Honors or by undertaking the requirements listed only under "Junior and Senior Years" for Departmental Honors. Commonwealth Honors runs throughout a student’s undergraduate career, whereas Departmental Honors takes place only in the student’s last two years. Commonwealth Honors includes the requirements for Departmental Honors; a student might undertake only Departmental Honors if he or she transferred to Bridgewater State College or developed an interest in pursuing honors work after the freshman year.

Freshman and Sophomore Years (for Commonwealth Honors)
Students seeking Commonwealth Honors must accumulate a total of 12 credits of honors level work at the 100-200 level preferably, but not necessarily, during their first two years. Honors credit at this level can be earned in two ways: by taking four three-credit honors courses or by taking a mix of three-credit honors courses and one-credit honors colloquia totaling 12 credits. Both honors courses and colloquia are described in the Course Schedule issued shortly before registration.

Honors courses: Honors courses are specially-designed sections of regular 100-200 level courses. Most fulfill Core Curriculum credit and thereby impose no additional requirements for graduation. These courses offer small class size (usually capped at 15 students), more active discussion, greater student and faculty interaction, more challenging material, and often an emphasis on writing and oral presentation. Honors courses have recently been offered in art, biology, chemistry, English, history, mathematics, philosophy, political science and psychology.

Honors colloquia: Honors colloquia carry one academic credit, meet once a week for 50 minutes, and culminate in a paper or scientific project which provides the major part of the grade. Minimum enrollment in each colloquium is two and the maximum is 12. Although most colloquia stand on their own, some are attached to regularly offered courses which form part of the student’s normal program. Colloquia offer intense study in a wide range of topics not usually found at this level.

Whether in honors classes or colloquia, students are expected to maintain a cumulative Grade Point Average (GPA) of 3.3. Students whose GPA falls between 3.3 and 2.7 may remain in the program for a further semester after which they will be dropped if the deficiency is not corrected; students whose GPA falls below 2.7 will be dropped from the program at that time.

In either case, whenever the GPA returns to 3.3, students may reenter the program. Although the honors directors have discretion to retain students in the program who do not meet these requirements, by the time of graduation students must have attained a cumulative GPA of 3.3.

Junior and Senior Years
Students who have completed the 12 credits of honors work described above and who have attained a cumulative GPA of at least 3.3 are eligible to continue by entering a Departmental Honors program or, if the student’s major does not offer Departmental Honors, by undertaking, through the Honors Center, an individually designed interdisciplinary honors program (both of which require an application, either to the Departmental Honors Committee or the Honors Center).

The following departments offer Departmental Honors:

Accounting and Finance
   Movement Arts, Health
   Art
   Promotion and Leisure
   Aviation Science
   Studies
   Biology
   Management
   Chemistry
   Philosophy
   Communication Studies
   Physics
   English
   Political Science
   Foreign Languages
   Psychology
   History
   Social Work
   Mathematics and
   Computer Science
   Theater and Dance
Honors work at this level emphasizes independent study and research in the major, or combination of majors if interdisciplinary. Students are required to take nine credits of honors work at the 300-400 level and can do so by combining Honors Contracts and the Honors Thesis. A student can earn honors credit in an upper-division course by submitting an Honors Contract, in which the student and instructor devise an advanced project within the course that emphasizes independent research on a particular subject. The student then completes a special advanced project, under the instructor’s direction, in conjunction with the course. As a senior, the student researches and writes an honors thesis (earning three credits for “XXXX485 Honors Thesis”) under the direction of a faculty member on a one-on-one basis; this can be done for either one or two semesters (we encourage two semesters, but students should discuss this with their Departmental Honors Committee and thesis adviser). Whether the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee or, where appropriate, by the student’s Interdisciplinary Honors Committee. For many students the honors thesis is the intellectual high point of the undergraduate experience—fascinating and exciting in its own right, and valuable as a preparation for graduate school or professional employment.

Credit requirements for Commonwealth Honors may be summarized as follows:

• At least 12 honors credits at the 100 or 200 level in three-credit honors classes and one-credit honors colloquia;
• Nine credit hours in honors course work at the 300 or 400 level obtained by undertaking honors contracts (three credits each semester). Forms for honors contracts and the honors thesis can be picked up from the Honors Center or your department office and should be filled out, signed, and returned to the Honors Center during the first two weeks of the semester;
• A public presentation of the thesis work at some campus forum, such as a department event or the Undergraduate Research Symposium held each April.

Students who complete the program will have the phrase “with Commonwealth Honors” entered on their transcripts.

**DEPARTMENTAL HONORS**

Students wishing to undertake only upper-division Honors work can apply to their major department to do departmental honors around the end of the sophomore or beginning of the junior year, and should complete those requirements listed above under “Junior and Senior Years.” For specific requirements and expectations, please consult your Departmental Honors Committee or request a copy of the Departmental Honors Programs brochure from the Honors Center.

**SCHOLARSHIPS**

Bridgewater State College offers a variety of academic scholarships ranging from presidential and Tsongas scholarships, administered by the Office of Admissions, to the more specialized scholarships described on the Student Affairs Web site www.bridgew.edu/student. Of particular interest to students in the Honors Program is the Adrian Tinsley Program for Undergraduate Research which offers generous financial support for students’ research. Full details concerning this program are available in the Honors Center.

**HONORS CENTER**

Students in the program have access throughout the year to the Honors Center in the Academic Achievement Center on the ground floor of Maxwell Library. Designed as a study area and meeting place for students in the honors program, the center has large work tables, comfortable chairs, computers, a refrigerator and a lending library. Students will also find copies of past honors theses written by BSC honors students; information about Fulbright, Goldwater and other national scholarships; and announcements of national and regional undergraduate research conferences in which honors students are encouraged to participate. The center is open from 9 AM to 5 PM on Monday through Friday during the academic year.

**HONORS PROGRAM DINNER**

At least once each year the program hosts a dinner for students and faculty featuring an informal talk by an off-campus speaker of note. Recent speakers have included Congressman Barney Frank; historian and activist Howard Zinn; Thomas Payzant, superintendent of schools in Boston; Jack Beatty of the Atlantic Monthly; and Jeff Jacoby of The Boston Globe. The honors program also hosts extracurricular activities such as movie nights, theater excursions, and other events suggested by students in the program.

**HONOR SOCIETIES**

Several departments invite academically talented students to join nationally recognized honor societies. For information on the following, contact the department chairperson.

- Alpha Mu Alpha (Marketing)
- Eta Sigma Gamma, Delta Pi Chapter (Health)
- Kappa Delta Pi (Education)
- Lambda Pi Eta (Communication Studies)
- Omicron Delta Epsilon (Economics)
- Phi Alpha, Beta Chi Chapter (Social Work)
- Phi Alpha Theta (History)
- Pi Kappa Delta (Forensics)
- Pi Mu Epsilon (Mathematics)
- Pi Sigma Alpha, Pi Upsilon Chapter (Political Science)
- Psi Chi (Psychology)
- Sigma Gamma Epsilon, Zeta Iota Chapter (Earth Science and Geography)

**Note:** See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Interdisciplinary Programs
The college offers a number of interdisciplinary programs, providing majors, minors and preprofessional programs. See the section on "Interdisciplinary and Preprofessional Programs".
ACADEMIC INTEGRITY AND CLASSROOM CONDUCT

Students are admitted to Bridgewater State College with the expectation that they will accept and abide by the standards of conduct and scholarship established by the faculty, administration and student governing boards. The college reserves the right to require students to withdraw who do not maintain acceptable academic standing. The college also reserves the right to dismiss, with due process, students who do not meet the requirements of conduct and order or whose behavior is inconsistent with the standards of the college. The Bridgewater State College Handbook outlines campus policies and may be viewed at www.bridgew.edu/Handbook/index.htm.

ACADEMIC INTEGRITY

Institutions of higher education are dedicated to the pursuit of truth. In this pursuit, academic honesty is of fundamental importance. Faculty, students and administrators all have a responsibility to value, demonstrate and safeguard academic integrity as one of the college’s most essential institutional values.

The college has an obligation to establish and promote standards of academic integrity, and each member of the college community has the responsibility to understand, support, and practice them. When standards of academic integrity are followed, teaching and learning can proceed in an environment of trust. When such standards are violated, teaching and learning are in doubt and suspicion. Therefore, the best interests of the college community require that cases of alleged academic dishonesty be addressed seriously but equitably.

At Bridgewater State College, academic honesty is expected of all students; plagiarism and cheating are not condoned and are subject to academic penalty, which may result in a failure for the course in which the violation took place. A violation may result in a reduced grade, suspension, or dismissal from the college.

Academic misconduct includes, but is not limited to, plagiarism, cheating, and dishonest practices. The procedure for implementing an academic penalty for academic misconduct is as follows:

- The instructor shall notify the student of the alleged violation, and they shall discuss the matter usually within seven days of the notice of the alleged infraction. The instructor and/or the student may request that the department chair, or other party from the College, be present at this meeting. The instructor shall notify the department chair and the associate vice president for academic affairs of the nature of the alleged violation, the outcome of the meeting held with the student, and the penalty, which may include a reduced grade on an assignment or in the course, including failure. The instructor reports the case to the academic review panel, and may refer the case for review. The instructor shall inform the student that further action may be taken by the associate vice president for academic affairs, in cases of repeat offenses. The associate vice president for academic affairs will refer cases of repeat offenses to the academic review panel.

- If the matter is not resolved, the student or instructor may request a hearing within five school days before the academic review panel, and the student and instructor, each with a representative serving in an advisory capacity, should either choose to have one, shall meet with the panel to discuss the alleged violation of college policy. The academic review panel shall conduct its investigations usually within 15 days following notification and shall follow the requirements of due process. Based upon the allegations or evidence received, the panel may recommend further sanctions, or no change in sanctions, or a reduction in sanctions, and will take into account any previous infractions only after it concludes its investigation of the present case. Further sanctions may include suspension or expulsion.

Requests by students for hearings by the academic review panel will be considered on the basis of inappropriate sanctions, violation of due process, procedural error that negatively impacted the outcome, or new evidence that was not reasonably available at the time of the meeting with the instructor.

The academic review panel will consist of three faculty members and two student members of the academic policies committee, appointed annually by the chairperson of that committee; three members must be present, including at least two faculty members, to constitute a quorum. In addition, the associate vice president for academic affairs will serve in a non-voting capacity as advisor to the panel and will maintain a record of reported violations by students. Multiple offenses by a student may have a bearing on the sanctions imposed by the panel. All evidence before the academic review panel is confidential.

Any decision of the academic review panel shall be forwarded in writing to the associate vice president for academic affairs, who shall inform both the student and the instructor of the decision in writing by hand delivery or by return-receipt-requested, addressee-only mail.

An appeal by either party shall be made to the vice president for academic affairs.

CLASSROOM CONDUCT POLICY

Because all students and faculty at Bridgewater State College are entitled to a positive and constructive teaching and learning environment, Bridgewater State College students are prohibited from engaging in behavior or activity that causes the disruption of teaching, learning, research, or other academic activities necessary for the fulfillment of the College mission.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
If disruptive behavior occurs, whether in the classroom or another academic environment, a faculty member has the right to remove the student from the classroom setting. Examples of potentially disruptive behavior may include, but are not limited to, using derogatory, vulgar, and insulting language directed at an individual or group, unsolicited talking in class, sleeping in class, using or activating cell phones, arriving at or leaving the classroom while class is in session, and/or failing to comply with the legitimate request of a College faculty member.

If a student exhibits disruptive behavior, the faculty member may ask the student to stop the behavior. If the student does not comply with the professor's request, he or she will be asked to leave and the professor will indicate the expected appropriate conduct to be able to return to class. If the student agrees to the faculty member's instructions and returns to class but subsequently continues to engage in disruptive behavior during future class sessions, the faculty member will forward written documentation of the student's behavior to the respective department chairperson, who will meet with the student to review the matter and determine an appropriate course of action. While the courses of action will vary, they may include referral to advising or counseling, reduction in grade, or withdrawal from the course.

If the student does not comply with the course of action and continues to engage in disruptive behavior, the student may be withdrawn from the course after a review conducted by the Associate Vice President for Academic Affairs. This action may have implications for the student's full-time status, financial aid, health insurance, and resident status.

Students who exhibit behavior that immediately endangers or seriously disrupts the establishment or maintenance of an appropriate learning environment in the classroom are subject to an immediate review by the Associate Vice President for Academic Affairs. If, at any time, faculty or students feel threatened, they should call Campus Police at 1212.

In all cases involving an individual with a disability, including mental disabilities, this policy will operate to make determinations based upon an individual's behavior rather than upon the individual's status of having a disability. Students have a personal obligation to obtain medical care for conditions that may affect their conduct, and to take any related medications as prescribed by their physicians. Under applicable disability laws, students with disabilities are responsible for their disruptive conduct.

The Vice President for Academic Affairs will act as the sole and final appeal for any decisions made by the Associate Vice President for Academic Affairs.

The student may also be subject to disciplinary action under the Student Code of Conduct.

**ACADEMIC STANDARDS**

In order for a matriculated or nonmatriculated student to avoid separation from Bridgewater State College, his/her cumulative GPA must remain above the probation level as indicated below:

<table>
<thead>
<tr>
<th>EARNED CREDIT HOURS</th>
<th>ACADEMIC WARNING</th>
<th>PROBATION GPA</th>
<th>SEPARATION BELOW THIS GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.00</td>
</tr>
<tr>
<td>17-31</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.50</td>
</tr>
<tr>
<td>32-46</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.65</td>
</tr>
<tr>
<td>47-61</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.75</td>
</tr>
<tr>
<td>62-89</td>
<td>2.0-2.19</td>
<td>Below 2.0</td>
<td>1.85</td>
</tr>
<tr>
<td>90 and above</td>
<td>must maintain</td>
<td></td>
<td>2.00</td>
</tr>
<tr>
<td></td>
<td>2.00 or better</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In order for a first semester transfer student to avoid separation from the college, his/her cumulative GPA must remain at 1.5 or above. After the first semester, a transfer student follows the table above.

**ACADEMIC PROBATION**

Students on academic probation are limited to 13 semester hours during the semester they are on probation. In addition, academic probation may involve 1) an adjustment in the student's academic load, 2) frequent interviews between the student and adviser for the analysis of difficulties and for checking the student's progress, 3) a stipulation that certain courses be taken to improve the student's academic performance, 4) restrictions on the student's extracurricular activities, and 5) other such precautions as are deemed advisable.

**ACADEMIC SEPARATION**

Students who have been academically separated from the college may not take courses at the college (day or evening) for at least one academic semester. After this time period, students may apply for readmission through the admissions office. Although not required, it is recommended that readmission applicants give evidence of at least one semester of academic work with a 2.5 GPA or better at some other institution of higher learning. Students who have previously completed courses at a college are reminded that a total of not more than 69 credit hours may be transferred from two-year institutions. However, course work taken elsewhere will not necessarily be accepted as transfer credit. An undergraduate matriculated student who is academically dismissed twice can only apply for readmission after a three-year period. If readmitted, the student is placed on academic probation and must achieve a minimum GPA of 2.0 in order to continue.

The grade point average of the student will be resumed after readmission. Students who have left the college for a minimum
of three years may be given special consideration upon written appeal to the vice president for academic affairs.

Note: Academic readmission or reinstatement to the college does not guarantee renewal of financial aid eligibility. The student must contact the Financial Aid Office to be considered for financial aid.

Satisfactory Academic Progress
In addition to being in good academic standing (please see the preceding section), a student is defined as making satisfactory academic progress when the academic record shows successful completion of a specified number of credits per semester. Full-time students must earn a minimum of 10 semester credits each semester to achieve satisfactory academic progress.

Students should note that many financial assistance programs require participants to make satisfactory academic progress in order to remain eligible. The definition of satisfactory progress differs from that stated in the policy above.

See the "Financial Aid" section of this catalog for further information concerning satisfactory academic progress for financial aid purposes.

Awarding of Undergraduate Degrees

Commencement Ceremony
The college conducts two commencement ceremonies annually, in winter and in spring. Students who complete requirements in August or December will be invited to participate in the winter ceremony.

Degree Application
Students who believe they are ready to receive their degree from Bridgewater State College are required to complete a formal degree application. These applications are available in the Registrar's Office. Each student is responsible for meeting all degree requirements and for ensuring that the Registrar's Office has received all credentials.

Recommended graduation application deadlines are listed below:

August 1: for winter/January graduation
December 1: for spring/May graduation
April 15: for summer/August graduation

Graduation Requirements
Curricula leading to baccalaureate degrees are so planned that a student carrying 15 credit hours each semester will ordinarily be able to complete the requirements for graduation in four years or eight semesters. Degrees will be awarded to candidates who have fulfilled the following:

1. A MINIMUM of 120 credits, distributed according to the Core Curriculum Requirements, the requirements of the declared major and any free electives. Satisfactory completion of all requirements for a bachelor's degree must be under a catalog in effect within eight years of the date of graduation. The catalog used, however, may be no earlier than the catalog in effect at the time of matriculation or, in the case of a change of major, concentration, or minor, no earlier than the catalog in effect when the major, concentration, or minor was formally declared.

Note: This policy does not apply to students enrolled in programs governed by state and/or federal regulations where current academic requirements may need to be met. Students should check with their departments where applicable;

2. A MINIMUM of 30 credit hours completed through Bridgewater State College, including at least one half of the required courses in the major and any minor field (excluding cognate requirements).

Note: Of the 90 credits that may be accepted in transfer by Bridgewater State College and applied to the baccalaureate degree, only 69 credits will be accepted from two-year institutions.

3. A MINIMUM of 15 credit hours of the final 30 credit hours of a student's degree program completed through Bridgewater State College.

Note: Any course taken at another accredited institution after admission to Bridgewater State College must have departmental pre-approval. A student must complete an Approval Form for the Transfer of Undergraduate Credits After Admission for each course in advance.

4. A MINIMUM cumulative grade point average (GPA) of 2.0 (or higher if required by the major at Bridgewater State College) and any other academic requirements of the student's major department as approved by college governance procedures;

5. A MINIMUM cumulative grade point average (GPA) of 2.0 or higher in the student's major(s) and minor(s) requirements taken through Bridgewater State College. The major GPA includes all courses completed in the major field (excluding cognate requirements). The minor GPA includes all courses required for completion of the minor, regardless of the department in which the courses are offered.

- The credit earned in an introductory college skills course may not be used to satisfy Core Curriculum Requirements nor may it be applied toward the minimum number of credits required for graduation in any major.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Undergraduate Academic Policies

• Students will not be allowed to receive their diplomas or transcripts until all financial debts to the college have been paid.

Conferal of a degree occurs when the registrar finalizes the student’s academic record and confirms that all requirements have been satisfied. Participation in the commencement ceremony does not constitute conferal of the degree. Similarly, inclusion of a student’s name in such publications as the commencement program does not confirm eligibility for the degree.

Graduation Requirements – Second Degree Program
Upon admission to a second undergraduate degree program (see the "Undergraduate Admissions" section of this catalog), the student will meet with an adviser from the major department to plan a course of study based on the current requirements of that major. That course of study must be approved by the chair of the department and forwarded to the assistant registrar. Any changes in that course of study must also have the approval of the adviser and the chair and be forwarded to the assistant registrar. If a student does not complete the course of study within four years of admission, the department may require the student to change the course of study to reflect changes in major requirements. (Note: This time period does not apply to students enrolled in programs governed by state and/or federal regulations where current academic requirements may need to be met. Students should check with their departments where applicable.)

The graduation requirements for a second degree are as follows:

1. The completion of a minimum of 30 semester hours through Bridgewater State College beyond the first degree with a minimum cumulative grade point average (GPA) of 2.0 (or higher if required by the major department).
2. The completion of at least one half of the required courses in the second degree major (excluding cognate requirements) through Bridgewater State College. The remainder of the major requirements may be satisfied by the transfer of courses from another accredited institution.
3. A minimum cumulative grade point average (GPA) of 2.0 (or higher if required by the major department) in the student’s major requirements taken through Bridgewater State College. The major GPA includes all courses completed in the major field (excluding cognate requirements). The minor GPA includes all courses required for completion of the minor, regardless of the department in which the courses are offered.
4. The completion of all cognate requirements for the major as outlined on the adviser-approved course of study.

The Bridgewater State College Core Curriculum Requirements are satisfied by the student’s first bachelor’s degree, whether that degree was earned through Bridgewater State College or another accredited institution. Each student, however, must fulfill the state-mandated requirement in United States and Massachusetts Constitutions.

Both the cumulative grade point average (GPA) and the major grade point average (GPA) for the second degree will be based on all grades received through Bridgewater State College, and all undergraduate courses will appear on one continuous academic record. A student must maintain a minimum 2.0 cumulative GPA in order to remain in good academic standing at the college and continue in the program. Upon completion of the second degree, the student will be eligible to attend commencement and graduate with honors based on the cumulative GPA for all undergraduate level work attempted through Bridgewater State College.

Graduation With Honors
Academic excellence for the baccalaureate program is recognized by awarding degrees summa cum laude (cumulative GPA of 3.8 or higher), magna cum laude (cumulative GPA of 3.6 to 3.79), and cum laude (cumulative GPA of 3.3 to 3.59). The cumulative GPA determined for honors is based on all college-level work attempted through Bridgewater State College.

The Commencement Program is printed prior to grades being submitted for the student’s final semester; therefore, the Registrar’s Office must print the honors designation that a student has earned up to the time of publication. The student’s diploma and finalized transcript, however, will reflect the official honors designation based upon the student’s final grade point average.

Grading System

The college uses the letter-grade system of marking to indicate the student’s relative performance: A—Superior; B—Good; C—Satisfactory; D—Poor; F—Failure; IP—In Progress; W—Withdrawn. Grades in the A, B, C, and D ranges may include a designation of plus or minus. In computing averages, grades are assigned the following numerical values:

<table>
<thead>
<tr>
<th>Letter</th>
<th>Numerical Value</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Certain courses such as internships and practica may be offered on a Pass (P)/No Pass (N) basis. Courses whose credits cannot be used toward degree credits earned (ex. Freshman Skills courses) are assigned grades of Satisfactory (S)/Unsatisfactory (U). No numeric value is assigned to grades P, N, S, or U. A symbol of WA may be given to any student who ceases attending a course without withdrawing between the end of the drop/add period and the end of the withdrawal period.
Grades for all courses (day and evening) at Bridgewater State College become a part of the student’s record and are used in computing the GPA.

**Audit**
A student may audit (AU) a course to gain knowledge in a particular subject area without earning credit or a grade. Students auditing a course attend and participate in classes; however, they are exempt from examinations. The course is automatically designated AU and becomes part of the student’s permanent academic record. Audited courses will not be used to fulfill degree or graduation requirements. Students must submit a completed Course Audit Request form before the close of the drop/add period. Forms are available at the Registrar’s Office.

**Change of Grade**
If a student believes that a mistake was made in the original grade recorded for a course, the student may petition the instructor for a change of grade no later than the last day of final exams in the academic semester following that in which the grade was recorded. A change of grade will not be considered after this time.

**Dean’s List**
The dean’s list is published at the end of each semester to honor the academic achievement of full-time matriculated undergraduate students. A 3.3 average for the semester is required with a minimum of 12 credits completed and no grades of “incomplete” (IN).

**Grade Point Average (GPA)**
The Grade Point Average indicates the student’s overall academic average. It is calculated on both a semester and a cumulative basis. The GPA is computed by multiplying the grade numerical value received in each course by the number of credit hours per course. These totals are combined, and the result is divided by the total number of semester hours carried.

<table>
<thead>
<tr>
<th>EXAMPLE COURSE</th>
<th>NO. OF HOURS</th>
<th>GRADE</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>3</td>
<td>(A)</td>
<td>4.0</td>
</tr>
<tr>
<td>French</td>
<td>3</td>
<td>(C+)</td>
<td>2.3</td>
</tr>
<tr>
<td>English</td>
<td>3</td>
<td>(B)</td>
<td>3.0</td>
</tr>
<tr>
<td>History</td>
<td>3</td>
<td>(B+)</td>
<td>3.3</td>
</tr>
<tr>
<td>Math</td>
<td>3</td>
<td>(B-)</td>
<td>2.7</td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45.9 ÷ 15</td>
<td>=</td>
<td>3.06 GPA</td>
<td></td>
</tr>
</tbody>
</table>

**Projected an Anticipated Grade Point Average**
If a student hopes to earn an overall 3.3 GPA, he or she can project the semester GPA needed to achieve this goal by following the steps listed below:

1) $3.3$ desired GPA $\times 30$ total credit hours at the end of next semester $= 99.0$ necessary grade points
2) $99.0$ necessary grade points for desired GPA $- 45.9$ grade points already earned $= 53.1$ grade points needed next semester
3) $53.1$ grade points needed $\div 15$ credit hours per next semester $= 3.54$ semester GPA needed for an overall 3.3 GPA

**Incomplete**
An incomplete (IN) may be given at the discretion of the instructor. The time by which missing work must be made up, both in graduate and undergraduate courses, is also at the discretion of the instructor; however, this time period may not extend beyond the last day of classes of the academic semester following that in which the incomplete was earned. If a course is not successfully completed by this deadline, the incomplete will automatically be changed to a grade of “F” (failure), N (No Pass), or U (Unsatisfactory).

All work must be completed prior to graduation, including resolution of any grades of incomplete. The record is finalized as of the date the degree is conferred.

**Mid-Semester Warning Notices**
Faculty may elect to send mid-semester warning notices to undergraduate students who are receiving less than a C- (1.7) average in any course at that time. It is the student’s responsibility to meet with his/her adviser and the instructor of any course in which a warning is received. Since mid-semester warning notices are not issued by all instructors, students who do not receive notification are cautioned not to presume that they are maintaining a grade of C- or better.

**Repeat Courses**
Undergraduate students may repeat a course for which they receive a grade of C- or less. Although all courses will appear on the student’s transcript, credit for the course will be awarded only once unless otherwise stated in the college catalog. For the first three times that a course is taken, only the most recent grade will be used to calculate the GPA, regardless of which grade is higher. All grades for courses taken the third and subsequent times will be used in the calculation of the student’s GPA. This policy does not apply to courses taken at the graduate level.)

Please note that the Veterans Administration will not pay for a repeated course in which a passing grade has previously been earned.
REGISTRATION AND ENROLLMENT POLICIES

ATTENDANCE POLICY
Students are responsible for satisfactory attendance in each course for which they are registered. Satisfactory attendance shall be determined by the instructor within the context of this policy statement. The approval of excused absences and the assignment of make-up work are the prerogative of the course instructor. The college’s health services does not make judgments about whether a student can attend class except in rare cases when attendance would be harmful to the student’s health or the health of others. In general, students will be excused without penalty for reasons such as illness, participation in official college events, personal emergencies and religious holidays. Students should consult with faculty members in advance of any absence whenever feasible.

NOTE: If a student fails to attend the first three class hours of a course, the instructor has the option of deleting the student from the class roster.

If a student has a concern with regard to the attendance policies or a faculty member has a concern about a student’s excessive absence, he or she should confer with the chairperson of the department.

CHANGE/DECLARATION OF CONCENTRATION
To elect a concentration, students must complete a Concentration Declaration Form in the Academic Achievement Center. Students may change their concentration at anytime by obtaining the necessary form from the Academic Achievement Center.

CHANGE/DECLARATION OF MAJOR FOR FRESHMEN
All students who enter as freshmen must formally declare a major or choose the status of an undeclared major. The undeclared student should select a major by the end of the sophomore year. Freshmen may change their area of interest by obtaining the necessary forms from the Academic Achievement Center. Although early childhood, elementary education and special education majors may not be formally admitted into the teacher education program until the second semester of the sophomore year, they must confirm their continued interest in these majors by the same process used by the other freshmen for declaration of majors. In addition to their education program, students must also elect a major in the liberal arts.

CHANGE OF MAJOR FOR UPPERCLASSMEN
Students may change majors at any time by obtaining the necessary forms from the Academic Achievement Center, securing the signatures of the department chairpersons involved, and filing the completed form with the Registrar’s office.

CHANGE/DECLARATION OF MINOR
In order to be enrolled in any minor offered by the college, a student must declare the intended minor on forms available from the Academic Achievement Center. Students may change their minor at anytime by obtaining the necessary form from the Academic Achievement Center.

Students planning on being certified as secondary or middle school teachers should declare their minor in secondary education during their freshman or sophomore year.

Certification that the requirements of the minor have been met is made on the Degree Application Card by the department offering the minor. Students must achieve a minimum 2.0 cumulative average in declared minors for graduation.

CLASSIFICATION DESIGNATION
Students are designated as being in a given classification on the basis of the number of credits they have earned for courses completed successfully. The list below shows the number of credits which must be recorded in order for a student to be designated as a member of a particular classification.

Students should understand that these are minimum totals of credits accrued. The normal course load is 15 credits per semester, and it is this total which, maintained over eight semesters, yields the 120 credits required as a minimum for the baccalaureate degree.

For registration purposes, students will be classified based upon the total number of credit hours earned prior to the semester in which the registration is held.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credit Hours Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior</td>
<td>84</td>
</tr>
<tr>
<td>Junior</td>
<td>54</td>
</tr>
<tr>
<td>Sophomore</td>
<td>24</td>
</tr>
<tr>
<td>Freshman</td>
<td>–</td>
</tr>
</tbody>
</table>

COURSE AUDIT
Students may audit courses under the guidelines noted below. The student will receive no academic credit for the courses nor will a grade be reflected in his or her cumulative grade point average.

- A student may audit a course subject to the approval of his or her adviser or department chairperson and consent of the instructor.
- A student is subject to conditions established by the department and/or instructor for the audited course.
A student registering for credit has course enrollment preference on an auditing student. Therefore, a student must register for audit only during the drop/add period by submitting forms provided by the Registrar's Office. A student's status as an auditor in a course cannot be changed.

A student may register for one audit course per semester. Exception may be granted by petition to the appropriate school dean.

A student receives no credit for an audited course. The student's academic record will reflect the course enrollment with the notation AU.

A student will be charged the same tuition and fees for an audited course as for a course taken for credit.

**Course Drops and Adds**
The Drop/Add Schedule is as follows:
- The Drop/Add period for 15-week semester courses ends after the 6th weekday of the semester.
- The Drop/Add period for 7-week quarter courses ends after the 3rd weekday of the quarter.
- The Drop/Add period for 5-week summer courses ends after the 3rd weekday of the session.
- The Drop/Add period for 10-week summer courses ends after the 5th weekday of the session.
- The Drop/Add period for nonregular courses ends one weekday after the first class meeting. However, students cannot add intensive — e.g., weekend or one-week — courses after the first class meeting.

No adds or drops will be permitted after these deadlines. Drop/Add forms are available at the Registrar's Office during the drop/add period. It is advisable that students discuss changes in their schedule with their adviser.

If students fail to drop courses appropriately, a grade of "F" may be entered on their academic record. This grade will be used in computing the GPA.

**Course Loads**
Full-time undergraduate students must carry a course load of 12 to 18 credit hours or the equivalent each semester. The typical course load is 15 credit hours. Students wishing to carry more than 18 credit hours must receive permission from the appropriate school dean prior to registration. Failure to carry at least 12 credit hours may jeopardize housing, financial aid status and athletic eligibility.

Undergraduate students wishing to carry a course load of more than 14 credit hours during the summer must obtain permission from the appropriate school dean prior to registration.

It is recommended that students not carry semester courses during the semester in which they enroll in student teaching.

**Credit by Examination**
The college encourages qualified students to meet certain graduation requirements through "Credit by Examination." Currently the college will award credit for successful completion of the College Level Examination Program's (CLEP) general or subject area examinations. In addition, certain departments offer their own examinations for which credit can be awarded. Additional information can be obtained from the Test Center in the Academic Achievement Center, 508.531.1780.

See the "Undergraduate Admissions" section of this catalog for further information concerning credit by examination.

**Intercollegiate Athletics Eligibility**
The following five rules govern intercollegiate athletics eligibility for most students attending Bridgewater.

1. A student-athlete must be a full-time undergraduate student.
2. A student-athlete must maintain a minimum of 12 credit hours or the equivalent each semester.
3. A student-athlete must maintain a minimum grade point average (GPA) of 2.0.
4. A student-athlete must pass 24 credit hours (normal progress rule) or the equivalent in an academic year as a full-time student.
5. A student-athlete must sign the NCAA student-athlete statement concerning eligibility, a Buckley Amendment consent and a drug testing consent.

Student-athletes are required to undergo both physical and orthopedic examinations prior to competing on intercollegiate teams. Specific information on these exams can be obtained either from the director of athletics or from the head athletic trainer.

In addition, there are very specific requirements which must be met by transfer students from other four-year institutions, transfer students from two-year or junior colleges and students who have been involved in multiple transfers. For information, please confer with the director of athletics.

On a case-by-case basis, a student enrolled in a part-time academic course load, as an accommodation to a documented disability, will not be excluded from participating in athletic programs. The student shall follow the normal petition and appeal processes through the director of athletics and recreation.
MAKE-UP TESTS AND EXAMINATIONS
The procedure for making up an examination held during the semester is determined by the individual instructor or the department. If a student misses an examination, it is the student’s responsibility to notify the instructor immediately so that alternative arrangements may be made.

The privilege of making up a final examination will be granted only when the cause has been the serious illness of the student or a member of his or her immediate family. All such excuses must be documented by a medical doctor and submitted to the instructor of the course.

PREREQUISITES
Students must have the necessary prerequisite for each course. Prerequisites, if any, are indicated with the individual course listing and are enforced at the time of registration. Prerequisite courses taken at institutions other than Bridgewater State College must be documented (transcript or grade report, and, in some cases, course description) prior to registration.

Students who wish to enroll in a course without the prerequisite(s) must obtain a Prerequisite Override Form prior to registering for the course. The form must be signed by the chairperson of the department through which the course is offered and, in some cases, the instructor of the course. Students seeking an override of professional education prerequisites for courses taught through the School of Education and Allied Studies must complete a Request for a Student to Take an Upper Level Professional Education Course Without Formal Program Admission form and obtain all required signatures.

REGISTRATION
Preregistration is held for returning, matriculated undergraduates, graduate and joint admission students in November for the spring semester and in April for the fall semester. During the advising period held two weeks prior to registration, a student meets with his/her adviser to review the student’s progress toward meeting Core Curriculum Requirements and specific degree requirements. A class schedule is developed, and the student’s registration form is signed by the adviser. In the case of double majors, the form must be signed by both advisers. Preregistration is available via the Web and in person. Students who wish to register via the Web must secure electronic permission to register from their adviser at their advising session. Preregistration time is based on the student’s classification (senior, junior, sophomore, etc.) at the close of the previous semester.

The Course Schedule, published shortly before each registration period, provides specific registration dates and instructions on how to register. Students will not be allowed to register for courses until all financial debts to the college are paid and health records are up to date.

TRANSFER OF CREDIT AFTER ADMISSION
In order for undergraduates to receive credit for courses taken at other accredited institutions, approval must be obtained in advance.

Application forms are available in the Registrar’s Office. Applications for approval of a course from another institution should be accompanied by the appropriate catalog from that institution. Approval must be obtained prior to registering for class. It is the student’s responsibility to have official transcripts sent directly by the institution to the Registrar’s Office within six weeks after the completion of the course.

NOTE: Of the 90 credits that may be accepted in transfer by Bridgewater State College and applied to the baccalaureate degree, only 69 credits will be accepted from two-year institutions. Grades for courses taken at an institution other than Bridgewater State College are not used in computing the student’s GPA.

WITHDRAWAL FROM THE COLLEGE
Forms for official withdrawal from the college may be obtained from the Academic Achievement Center located in the Maxwell Library. Professional staff from the Academic Achievement Center will assist in completing the process, including the review of alternatives available to the student. Should the student leave the college without giving official notification, failing grades will be recorded for all courses. After the tenth week of classes, grades will be recorded for all classes and the withdrawal will not be effective until the last day of the semester.

WITHDRAWAL FROM COURSES FOLLOWING THE DROP/ADD PERIOD
Students may withdraw from courses following the Drop/Add period if they submit a Course Withdrawal Form to the Registrar’s Office by the appropriate date listed below. The Course Withdrawal Form must be signed by the course instructor and the student’s adviser or the chairperson of student’s major department to acknowledge that the student has conferred with these parties. If a student falls below full time status after withdrawing from a course, he or she should be aware that eligibility for some sources of financial aid and health insurance and participation in extra curricular activities and on-campus housing may be affected.

The Course Withdrawal Schedule is as follows:
• The Withdrawal period for 15-week semester courses ends the weekday following the completion of the 10th week of the semester.
• The Withdrawal period for 7-week quarter courses ends the weekday following the completion of the 5th week of the quarter.
The Withdrawal period for 5-week summer courses ends the weekday following the completion of the 3rd week of the session.

The Withdrawal period for 10-week summer courses ends the weekday following the completion of the 7th week of the session.

The Withdrawal period for non-regular courses typically ends one weekday following the point when approximately 70% of the course has been completed. Students should consult the Registrar’s Office for exact deadlines for withdrawal from these courses.

Students who are taking a course on-line or off-campus or who are non-degree seeking must meet established deadlines and procedures.

No withdrawals will be permitted after these deadlines unless the student can demonstrate that extraordinary circumstances (i.e., sudden illness, a death in the family) have prevented the student from withdrawing by the published deadline. Consult the Academic Achievement Center for more information about withdrawals after the deadline.

Course withdrawals will be indicated on the student’s transcript with a “W” and will not affect the calculation of the student’s grade point average.
Dr. William Smith, 508.531.2809  
Dean, School of Graduate Studies

Dr. Raymond Guillette, 508.531.2919  
Assistant Dean

Ms. Tisa Cohane, 508.531.6143  
Director, Off-Campus Programs and Graduate School Services

Web site: www.bridgew.edu/SOGS/

The School of Graduate Studies is responsible for the administration of all graduate courses and programs.

The School of Graduate Studies at Bridgewater State College provides leadership, coordination, and support for all academic departments engaged in graduate instruction. The graduate dean, the graduate faculty, and the Graduate Education Council are responsible for the maintenance of appropriate standards for graduate degrees and certificates.

The primary objective of Bridgewater State College's graduate programs is to increase to an advanced level each graduate student's understanding of and competence in a designated field of study. By extending the student's area of knowledge, research skills and creative talents, the graduate programs of the college aim to increase the individual's ability to pursue and contribute to a satisfying career.

The School of Graduate Studies is located in the Maxwell Library, ground floor, Park Avenue entrance. With some exceptions, the office is open Monday through Friday from 8 AM to 7:30 PM. The office is open evenings only when classes are in session. Contact the School of Graduate Studies at evening hours at 508.531.1300 or e-mail at gradschool@bridgew.edu.

Persons interested in pursuing a master's degree, certificate of advanced graduate study (CAGS), or Postbaccalaureate licensure program on either a full or part-time basis should request appropriate application materials from the School of Graduate Studies. Students are responsible for being aware of the general policies, procedures, and requirements for graduate courses and programs outlined in the following pages prior to enrolling in courses carrying graduate credit.

For additional information relative to a specific graduate program, students should contact the appropriate department program coordinator in the department involved.

GENERAL POLICIES AND PROCEDURES

Students are responsible for all information given in the latest edition of the catalog. Students who have questions regarding the graduate regulations presented in this catalog should contact the School of Graduate Studies.

ACADEMIC INTEGRITY POLICY

The School of Graduate Studies at Bridgewater State College, like all institutions of higher learning, considers academic integrity to be an important hallmark for graduate students and scholars. The importance of academic integrity and honesty, which is taught at the undergraduate level, continues to be even more vital for scholars and researchers at the graduate level, who find themselves writing seminar papers, research papers, and theses. All graduate degree programs at Bridgewater State College require courses in research where conventions of documentation are taught. Graduate students, who are acquiring scholarly habits and skills in degree programs, must rely on the scholarship that has preceded them, and they must acknowledge the scholarship in their own academic work by adhering to the time-honored conventions of their discipline. In short, graduate students are entering a community of scholars and must respect the rules and traditions of that community. Sometimes, however, graduate students violate the accepted principles and policies of academic integrity and honesty. The dean of the School of Graduate Studies reviews any infractions of academic integrity. The following examples represent a partial list of serious breaches of academic integrity:

1. Plagiarizing any published or online source, including "Blackboard" and other online discussions, and claiming them as one's own;
2. Not properly documenting quotations and paraphrases in one's texts, i.e. not using footnotes, endnotes, parenthetical citations, or other conventional methods of documentation;
3. Inadequate paraphrasing, with or without proper documentation;
4. Copying portions of Internet sources without proper documentation and citations;
5. Creating false documentation, i.e. purposely fabricating information used in references, endnotes and footnotes;
6. Using or copying from another student's written work with or without the student's permission;
7. Taking an examination for another student;
8. Cheating on an examination;
9. Purchasing a paper or assignment from an online source or another student and claiming it as one's own;
10. Writing a paper or report for another student;
11. Altering or falsifying data.

Serious violations of academic integrity are not limited to this list. Penalties for academic misconduct may include the following:

1. A grade of "F", "N", or "U" (as appropriate) in the course;
2. A grade of "F" for the assignment being evaluated;
3. The assigning of additional course work;
4. Suspension from graduate programs;
5. Dismissal from graduate programs.

The procedure for implementing a penalty for academic dishonesty or misconduct, which includes, but is not limited to, plagiarism and cheating, is as follows:

1. The professor will notify graduate students of any alleged violations of the Graduate School’s Academic Integrity Policy, and they shall discuss the matter in person, via e-mail or by phone within seven business days of the discovery of the alleged misconduct. (The professor may invite a third party to the meeting, if warranted.) If it is determined that academic dishonesty or misconduct has occurred, the students’ advisers, the graduate program coordinators, department chairs, the appropriate school deans and the dean of the Graduate School will be notified by the professor in writing of the misconduct, the proposed penalty, and the outcome of the discussion with the students. A record of the case, including the letter from the professor, along with any supporting documentation, will be kept in students’ files at the School of Graduate Studies.

2. If the matter is not resolved through the initial process described above, students may file letters of appeal within five business days to the dean of the School of Graduate Studies, attaching any relevant documents. The dean will submit appeals to the Graduate Education Council (GEC). The professors and the students will be notified of the meeting times and dates and invited to attend a meeting of the Graduate Education Council, at which time matters will be reviewed. In conducting its reviews, the Graduate Education Council will follow the requirements of due process. Both students and professors can attend the meetings with representatives, who may serve as advisers or advocates.

Under the direction of the chair of the Graduate Education Council, the GEC will review student appeals and make its decision, which shall be forwarded in writing to the dean of the School of Graduate Studies. Based upon the allegations or evidence received, the Graduate Education Council may recommend further sanctions, no change in sanctions or a reduction in sanctions. The Graduate Education Council will take into account any previous infractions only after it concludes its investigation of the present case. Further sanctions may include suspension or dismissal.

Students and professors involved will receive copies of the decision letter from the Graduate Education Council, and copies will be provided to the students’ advisers, graduate coordinators, department chairs and appropriate school dean. A copy of this letter will also be placed in students’ official files in the School of Graduate Studies.

**Academic Probation**

Any matriculated or nonmatriculated graduate students whose cumulative GPA falls below 3.0 will be notified that they are on academic probation. When graduate students are placed on academic probation, they will receive a letter from the School of Graduate Studies. This letter informs students that they should be mindful that their GPA has fallen below a 3.0. Students should discuss the matter with their advisers.

**Academic Standing for Graduate Students**

In the courses which a graduate student offers to satisfy degree requirements, the minimum standard for satisfactory work is a 3.0 average.

**Appeals**

Graduate students who experience problems pertaining to graduate policies, including academic performance, program requirements or other academic issues, may petition to have the matter considered through the established review process of the School of Graduate Studies:

1. Submit a written appeal to the course instructor if the issue is course-related or to the academic adviser if the matter is program-related.
2. If unresolved, submit a written appeal to the department graduate program coordinator.
3. If unresolved, submit a written appeal to the appropriate school dean.
4. If unresolved, submit a written appeal to the dean of the School of Graduate Studies.
5. The dean of the School of Graduate Studies will submit graduate student petitions to the Graduate Education Council for review. (The Graduate Education Council consists of representatives from the college’s graduate faculty, administrators and graduate student body.)

**Change of Grade**

If a student believes that a mistake was made in the original grade recorded for a course, the student may petition an instructor for a change of grade no later than the last day of final exams in the academic semester following that in which the grade was recorded. A change of grade will not be considered after this time.

**Change of Name and/or Address**

Students should promptly notify the Registrar’s Office of any change in name or address by using the appropriate form. Official legal documentation (i.e. marriage certificate) must be presented. Forms are also available at the School of Graduate Studies or may be printed from the college Web site www.bridgew.edu/registrar/forms.cfm.

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**Note:** See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
COMPREHENSIVE EXAMINATION
In most graduate programs, graduate students must take comprehensive examinations that reflect the full ranges of their programs. The comprehensive examination is based upon the student's major areas of study, as well as related areas, and may include work done on a thesis. Students must give evidence that they can integrate information and ideas from the various areas in which they have studied. The comprehensive examination may be written, oral, or Web-based, as determined by the student's departments. The academic department determines the format of its comprehensive examination.

To be eligible for a comprehensive examination, students should be near completion of the course work specified by their major academic departments. Students who plan to take the comprehensive examination should file a Comprehensive Examination Request form in the School of Graduate Studies, with a nonrefundable comprehensive examination fee of $60 for master's degree candidates and $75 for CAGS candidates.

Checks should be made payable to Bridgewater State College. The completed form with necessary signatures and fee must be filed in the School of Graduate Studies on or before the appropriate application deadline:

October 1 November comprehensive examinations
February 1 March/April comprehensive examinations

Ordinarily, comprehensive examinations are given during the months of November and March/April. The academic departments set the specific date of the comprehensive examination.

All students who take the comprehensive examination will receive their results by mail in a timely fashion.

Students who fail the comprehensive examination shall be given one additional opportunity to pass. If students fail a second comprehensive examination, students are subject to academic dismissal. Students should meet immediately with their faculty advisers or designated personnel to review weaknesses of their performances, and prescribed programs of study should be designed to help students prepare for the second examination. After students have made substantial progress in the additional work prescribed by the department, students will be allowed to retake the comprehensive examinations. Students who retake the examination must register and submit the exam fee.

CONTINUATION OR INTERRUPTION OF COURSE REGISTRATION
Graduate students have six (6) years to complete their degree programs. Should graduate students not enroll in courses during the fall or spring semesters or summer sessions, students will be considered inactive. If students are deemed inactive and wish to register for courses, students should seek reinstatement by contacting the School of Graduate Studies at 508.531.1300 or gradschool@bridgew.edu. This policy is designated to ensure appropriate academic advising and counseling for all graduate students enrolled in degree programs as well as non-degree students.

COURSE DROPS AND ADDS
The Drop/Add schedule is as follows:
• The Drop/Add period for 15-week semester courses ends after the sixth weekday of the semester.
• The Drop/Add period for seven-week quarter courses ends after the third weekday of the quarter.
• The Drop/Add period for five-week summer courses ends after the third weekday of the session.
• The Drop/Add period for 10-week summer courses ends after the fifth weekday of the session.
• The Drop/Add period for non-regular courses ends one weekday after the first class meeting. However, students cannot add intensive – e.g., weekend or one-week – courses after the first class meeting.

No adds or drops will be permitted after these deadlines. Drop/Add forms are available at the Registrar's Office during the drop/add period. It is advisable that students discuss changes in their schedule with their adviser.

If students fail to drop courses appropriately, a grade of "F" will be entered on their academic record. This grade will be used in computing the GPA.

COURSE LOADS
Full-time graduate study for master's degree and CAGS students is defined, for academic purposes only, as being enrolled in nine or more graduate credits in a given semester. To be considered full-time, post-baccalaureate program students must carry a course load of at least 12 credits each semester, as defined under "Course Loads" in the Undergraduate Academic Policies section of this catalog. (The Accelerated Post-Baccalaureate program does not fall into this category.)

Full-time graduate students may register for up to 15 credits per semester and up to six credits during each of the two summer sessions. Students wishing to register for more than the maximum credit load must receive permission in writing from their graduate advisers and program coordinators.

Full-time graduate students carrying nine credits or more: see Immunization Requirements for Graduate Students section.

COURSE REGISTRATION
Prior to the registration period for the fall, spring and summer sessions, a course schedule is published by the Registrar's Office. Hard copies of this schedule are available at the Registrar's Office and the School of Graduate Studies. The course schedule is also available online through InfoBear at www.bridgew.edu. Graduate students are not required to have registration forms signed by their advisers;
however, graduate students should consult their advisers on a regular basis regarding their course schedules.

Graduate course work is offered on either a full- or part-time basis. Students should realize that it is not possible to set an absolute deadline for completing a graduate program due to such factors as the college’s need to reserve the right to cancel any course for which there is insufficient enrollment and the need of the departments to offer courses on a rotating basis.

**DEADLINES**

Graduate students are reminded to consult the annual college academic calendar for deadlines and dates for admission, comprehensive examination requests and applications to graduate. This calendar is printed in the college catalog, course schedule and on the College Web site.

**GRADING SYSTEM**

The School of Graduate Studies requires that matriculated graduate students maintain a high level of academic standing as they advance in their degree programs. The grading system for graduate students at BSC is different from that of the undergraduate programs. Graduate course achievement will be rated A (4.0), A- (3.7), B+ (3.3), B (3.0), B- (2.7), C+ (2.3), C (2.0), C- (1.7), F (0), W (Withdrawn), IN (Incomplete), or AU (Audit). Some courses are graded on a P (Pass)/N (No Pass) or S (Satisfactory)/U (Unsatisfactory) basis. Refer to the "Course Descriptions" section in this catalog.

This grading system puts more pressure on graduate students to perform at a higher level than undergraduate students. Though graduate students may earn less than a B in a course, the overall GPA must be a 3.0 at the time of graduation.

**GRADUATE AND UNDERGRADUATE CREDIT**

Courses at BSC with 500- and 600-level numbers carry graduate credit and are open only to graduate students.

An undergraduate may request to enroll in a 500 level course for undergraduate credit. Approval is based on the following criteria:

1. Students must be seniors in their last semester of course work.
2. Students’ GPA must be a 3.5 or higher.
3. Students’ written requests must be approved by the chair of the students’ major departments, academic school dean and the dean of the School of Graduate Studies.

Certain designated 400 level courses may be taken for either graduate or undergraduate credit. The School of Graduate Studies guidelines for faculty teaching these courses indicate that advanced work should be required of graduate students taking 400 level courses. The guidelines recommend more rigorous examinations and more sophisticated term papers so that graduate students may take into account the different quantitative and qualitative standards associated with graduate study.

**GRADUATE ASSISTANTSHIP**

Bridgewater State College awards graduate assistantships to students who are fully admitted to a graduate program and who maintain good academic standing during the time of the award. The total award equals approximately $10,000 per academic year, which includes tuition and fee remission for up to 24 credits per year plus a stipend. The stipend varies between $600 and $650 per month. Graduate assistantships are competitive and are determined on the basis of undergraduate and/or graduate grade point average, test scores, letters of recommendation, pertinent experience, educational preparation, interviews or a combination of these factors. Graduate assistants work in an academic department or administrative office of the college for 20 hours per week. Assistantships are intended to encourage and assist superior students in pursuing graduate study and in completing the requirements for graduate degrees in the minimum possible time. Graduate research assistantships are also available.

**GRADUATE RESEARCH ASSISTANTSHIP**

Fully admitted full- and part-time graduate students may apply to the Graduate Research Assistantship program. Graduate Research Assistantships are designed to link a graduate student together with a professor in a meaningful research project, which will be one semester or one academic year in duration. During the assistantship period, a graduate research assistant will work directly with a professor on a joint project, which will lead to a presentation at a professional conference and/or a joint publication. The research assistant will have the equivalent of a "half" assistantship, in that the student will work ten (10) hours per week with a professor, be paid a half-stipend ($3,000 per year), and have tuition/fees remission for six (6) graduate credits per semester.

**GRADUATION APPLICATION**

Students should check with their advisers regarding exit requirements for their academic program, as requirements vary for each program. Students who are nearing the completion of their graduate program requirements and who plan to receive a master’s degree or CAGS in January, May or August, should complete an Application to Graduate form. These forms should be completed by students, approved by the faculty advisers and program coordinators, and submitted with the candidates’ Graduate Program Proposal forms to the School of Graduate Studies office on or before the appropriate application deadline.

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<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>February 1</td>
<td>May graduation</td>
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<tr>
<td>June 1</td>
<td>August graduation</td>
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<tr>
<td>October 1</td>
<td>January graduation</td>
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Failure to file an application before the deadline may postpone degree conferral. Any questions regarding graduate commencement and requirements should be directed to the School of Graduate Studies at 508.531.1300.

**GRADUATION DATES**

The college has three graduation dates (May, August and January). Graduate students have a separate annual commencement cer-
eminy. Students graduating in August and January are encouraged to attend the May commencement. In order to participate in a commencement ceremony, all required course work and exit requirements must be completed. No degree or certificate will be conferred, and no graduate transcripts will be issued unless all tuition and fees have been paid in full.

**Graduation Requirements**
In order for students to exit from a graduate program, they must satisfactorily complete all credit requirements (with a minimum GPA of 3.0), and, in most programs, pass a comprehensive examination.

**Immunization Requirements for Graduate Students**
Immunization requirements apply to all full-time graduate students, regardless of age. To achieve full-time graduate student status, according to the Commonwealth of Massachusetts Immunization Laws, students must receive nine or more credits from one institution in any one semester, regardless of the location of the course or the actual dates that the course or internship is held.

Proof of immunizations must be provided by a physician or a prior school and must include the dates of:

- two doses of measles, mumps, rubella (MMR) after the patient’s first birthday and after 1967
- one dose of tetanus diphtheria (TD) within the last 10 years
- three doses of hepatitis B

Note: All newly enrolled part- and full-time graduate students must provide proof of meningitis immunization or waiver. Proof must be:

- documentation of one dose of meningitis immunization within five years or
- sign the meningitis waiver at www.bridgewater.edu/HealthServices/Health%20Form%20and%20Meningitis%20Waiver.doc.

The Health Services staff can assist you in meeting the requirements by offering immunizations and advice on how to be compliant with the law. **Failure to comply places future registration for classes on hold until all requirements are met.**

Please call Health Services at 508.531.1252 to arrange an appointment.

**Incomplete**
An incomplete (IN) may be given at the discretion of the instructor. The time by which missing work must be made up, in graduate and undergraduate courses, is also at the discretion of the instructor; however, this time period may not extend beyond the last day of classes of the academic semester following that in which the incomplete was earned. Courses that are not successfully completed by this deadline will automatically be changed to a grade of "F" (Failure) or "N" (No Pass). Candidates for graduation should note, however, that all work must be completed prior to graduation, including resolution of any grades of incomplete, since as of the date the degree is conferred the record is finalized.

**Independent or Directed Study**
Graduate students are allowed to undertake an independent or directed study under the supervision of a faculty member. The course Directed Study XXXX 503 (credit to be arranged) is designed for graduate students who desire to study selected topics in their fields. Directed study may not be used to substitute for courses that are required in the program or to study topics that are covered in required or elective courses in the program.

Directed study follows the same registration procedures as all academic course work on campus; that is, arrangement for directed study must take place prior to the time of registration with all forms completed and on file at the appropriate departmental office. Enrollment in directed study is limited to students who have been accepted to a graduate program at Bridgewater State College and who have completed a minimum of 15 approved graduate credits.

**Program and Course Prerequisites**
Program and course prerequisites may be required to ensure adequate preparation for graduate work in the area of study. In certain cases, program prerequisites may be fulfilled after the applicant’s acceptance by the School of Graduate Studies. Certain advanced courses may require that students have completed specific prerequisite courses.

**Research**
A graduate program may require enrollment in the course Research XXXX 502 (credit to be arranged) or PSYC 504 for Psychology for completion of original research undertaken by graduate students in their field. The students’ investigations ordinarily culminate in a thesis. The number of credits awarded for the research may vary and students may repeat the course until a maximum of nine credits in an MA program and six credits in an MAT, MEd, MPA, MS or CAGS program is earned toward the minimum credit requirements for the degree or certificate. Consent of department and formal application required.

**Satisfactory or Reasonable Progress**
Graduate students must make satisfactory or reasonable progress toward completion of their degree programs within the college’s statute of limitations. Students who are not making such progress are subject to separation from their programs.

**Statute of Limitations—Program and Courses**
All graduate program requirements, including the comprehensive examination, must be completed **within six years of the date of the student’s acceptance.** In addition, no graduate course offered for master’s degree or CAGS credit may be more than six years old at the time program requirements are completed.

If graduate students cannot complete degree requirements within the six-year limit because of extraordinary circumstances, they may file written appeals, requesting a reasonable extension from the School of Graduate Studies.
School of Graduate Studies

Thesis
A number of departments require or recommend theses in master’s degree programs. A thesis, which represents original research in a discipline, is especially recommended if students have future doctoral plans. At the same time, theses allow graduate students, working closely with thesis committees, to spend serious academic time researching a narrowly focused topic in depth and produce an original text, of publishable quality. The culmination is often a text that gives students great academic pride and satisfaction.

Students writing master’s theses must adhere to the following policies:
1. All graduate students writing master’s theses must have a thesis committee, consisting of a thesis committee chair and two faculty readers. The thesis committee must be approved by the graduate coordinator.
2. The student writing a thesis must submit a Thesis Proposal Form, with a detailed proposal and signatures of the thesis chair, the two faculty readers, the graduate coordinator and the dean of the School of Graduate Studies. (The Thesis Proposal Form is available for download on the School of Graduate Studies Web page.) This form must be completed and signed in order for students to register for the appropriate research course, which is always the departmental XXXX 502 or PSYC 504 Research course. Students must register for at least six credits of XXXX 502, but the credits can be broken into smaller credit segments and taken over multiple semesters, particularly if students need a full academic year to write their theses. Otherwise, students can register for the full six credits during one semester.
3. After students obtain the necessary signatures, they then take the Thesis Proposal Form to the Registrar’s Office to register for the XXXX 502 or PSYC 504 Research course.
4. Students who have registered for the XXXX 502 or PSYC 504 Research course and do not complete their theses in a semester will receive an incomplete, which will be changed to a letter grade by the theses chairpersons once the theses are completed.
5. When the thesis is written and fully approved by the three members of the thesis committee, the chairperson and readers sign the “approval page” of the thesis, which is placed in the text of the manuscript.
6. The thesis committee chairperson will acquaint graduate students with the manuscript form and style used in their respective disciplines; graduate students writing theses should examine recent theses in their academic departments.
7. The student must provide the School of Graduate Studies with a minimum of four copies of the thesis to be bound: one for the Maxwell Library, one for the School of Graduate Studies, one for the students’ academic department and one for the student. (Sometimes departments request an additional bound copy.) Students may also request additional bound copies of their theses.
8. Copies of the completed manuscript must be brought to the School of Graduate Studies, which will arrange for the binding of the copies. A charge of $12 for each copy will be paid by the graduate students. Students pick up their bound copies in the School of Graduate Studies.
9. Theses must be submitted to the School of Graduate Studies before students are approved for graduation.
10. The Maxwell Library, which will catalog all theses, acts as the official archive for all theses written as part of graduate-degree programs at Bridgewater State College.

Transfer Credit
Transfer credit at the graduate level is defined by the School of Graduate Studies at Bridgewater State College to include two distinct credit situations. First, transfer credit is defined as being any appropriate graduate credit taken at Bridgewater State College prior to the student’s first matriculation into a Bridgewater State College graduate program. This credit includes appropriate graduate credit earned in courses in which the student is enrolled at the time of matriculation. Second, transfer credit is defined to include appropriate graduate credit taken at an accredited institution other than Bridgewater State College prior to or after matriculation into a Bridgewater State College graduate program.

The School of Graduate Studies limits the total number of graduate transfer credits to 6 in programs of fewer than 40 credits. In programs requiring 40 or more graduate credits, students may request to transfer up to 9 graduate credits. This limit of transfer credits includes courses taken at Bridgewater State College before matriculation and/or graduate courses taken at another accredited institution before or after matriculation. It should be noted, however, that not more than 6 graduate credits, taken both prior to and after matriculation, can be transferred from other graduate schools (students should make every attempt to enroll in Bridgewater State College graduate courses). These credits include any credits earned in courses which students are enrolled at the time of matriculation. It does not include prerequisites. Program exceptions are noted in the appropriate department sections of this catalog.

Approval of transfer credit is subject to the following conditions: 1) that not more than 6 credits being transferred are from an accredited institution other than Bridgewater State College; 2) that a grade of B or better has been earned in all courses being transferred; 3) that courses being transferred have not been used to fulfill the requirements of another degree or certificate; and 4) that graduate transfer credits may not be more than six years old at the time program requirements are completed.

All courses to be used as transfer credit in a graduate program must have the approval of the students’ advisers and program coordinators prior to submitting for final approval to the School of Graduate Studies. Transfer credit should also be properly recorded on the students’ Graduate Program Proposal forms. An official transcript of courses taken at another accredited institution must be on file in the School of Graduate Studies.

BSC has two forms used for acceptance of transfer credit. The Pre-Matriculation Transfer Credit form is for courses being requested to transfer from within Bridgewater State College. The Graduate Transfer Credit form is for courses being requested to transfer from an accred-
Withdrawal from Courses

Students may withdraw from courses following the drop/add period if they submit a Course Withdrawal form to the Registrar’s Office by the appropriate semester deadline date, which is posted at www.bridgew.edu/Registrar/dropaddwithdraw.cfm. The course withdrawal form must be signed by the course instructor. Students should discuss any course withdrawal with their advisers. If graduate students fall below full-time status after withdrawing from a course, they should be aware that eligibility for some sources of financial aid and health insurance may be affected.

The Course Withdrawal Schedule is as follows:
- The Withdrawal period for 15-week semester courses ends the weekday following the completion of the 10th week of the semester.
- The Withdrawal period for 7-week courses ends the weekday following the completion of the 5th week of the quarter.
- The Withdrawal period for 5-week courses ends the weekday following the completion of the 3rd week of the session.
- The Withdrawal period for 10-week summer courses ends the weekday following the completion of the 7th week of the session.
- The Withdrawal period for non-regular courses typically ends one weekday following the point when approximately 70% of the course has been completed. Students should consult the Registrar’s Office for exact deadlines for withdrawal from these courses.
- Students who are taking a course on-line or off-campus must meet established deadlines and procedures.

No withdrawals will be permitted after these deadlines unless students can demonstrate that extraordinary circumstances have prevented them from withdrawing from the course by the published deadline. Course withdrawals will be indicated on students’ transcripts with a “W” and will not affect the calculation of students’ grade point averages.

Withdrawal from the College

Students who decide to withdraw from a graduate program should notify the School of Graduate Studies of their intentions in writing as soon as possible. (Students should also consult course withdrawal procedures and refund policies indicated elsewhere in the catalog.)

Graduate Programs

Master of Arts (MA)

Programs leading to the degree of Master of Arts are offered in the following areas:
- English
- Concentration:
- Creative Writing
- Psychology

Master of Arts in Teaching (MAT)

Programs leading to the degree of Master of Arts in Teaching are offered in the following areas:
- Biology
- Creative Arts
- English
- History
- Mathematics
- Music Education
- Physical Science
- Physics

Master of Education (MED)

Programs leading to the degree of Master of Education are offered in the following areas:
- Counseling
  Concentrations:
  - Mental Health Counseling
  - Mental Health Counseling – Dual License
  - School Counseling (PreK-8, 5-12)
  - Student Affairs Counseling
- Early Childhood Education
- Educational Leadership
- Elementary Education
- Health Promotion
- Instructional Technology
- PreK-12 Education (For Educators in Non-U.S. settings)
- Reading
- Special Education
  Concentrations:
  - Moderate Disabilities
  - Severe Disabilities

Master of Public Administration (MPA)

The Master of Public Administration degree offers concentrations in the following areas:
- Financial Administration
- Municipal and Regional Development and Management
- Nonprofit Administration

Master of Science (MS)

Programs leading to the degree of Master of Science are offered in the following areas:
- Athletic Training
- Computer Science
Criminal Justice
Concentrations:
Administration of Justice
Crime and Corrections
Physical Education
Concentrations:
Adapted Physical Education
Applied Kinesiology
Human Performance and Health Fitness
Strength and Conditioning

Master of Science in Management (MS)
The Master of Science in Management degree offers concentrations in the following areas:

- Accounting
- Marketing
- Organization Development
- Technology Management

Master of Social Work (MSW)

Certificate of Advanced Graduate Study (CAGS)
A program leading to the CAGS in Education is offered in the following areas:

- Educational Leadership
- Mental Health Counseling
- Reading
- School Counseling

Doctor of Education (EdD)
A collaborative CAGS/EdD program is offered in the areas of Educational Leadership and Reading with the University of Massachusetts-Lowell.

Postbaccalaureate Licensure Programs
Postbaccalaureate licensure programs leading to initial licensure are offered in the following areas:

- Early Childhood Education
- Educational Leadership (LEAD)
- Elementary Education
- Health (Health, Family and Consumer Sciences)
- Physical Education
- Secondary Education (Middle School/High School/PreK-12 Specialist)
- Special Education

Postmaster's Licensure Programs
Postmaster's licensure programs are offered in the following areas:

- Educational Leadership
  - School Counseling

Educator Licensure

All candidates for Massachusetts Educator Licensure are advised to check with their individual education departments or the School of Education and Allied Studies offices regarding proposed regulations changes which may have an impact on their licensure program.

Programs designed to lead to the licensure of educators are available to qualified persons who have earned a bachelor's degree and who are interested in one of the licenses listed.

To be eligible, individuals must be officially admitted by the School of Graduate Studies and the School of Education and Allied Studies to an appropriate Postbaccalaureate or postmaster's licensure program or to an appropriate Master of Arts in Teaching or Master of Education program. All of the programs listed have been approved by the Massachusetts Department of Education.

Specific information regarding programs is provided in this catalog under the School of Education and Allied Studies and appropriate departmental descriptions. For additional details regarding licensure program procedures and requirements, students should contact the appropriate program coordinator.

Educator Licensure Programs:

- Administrator of Special Education (all levels)
- Early Childhood Teacher of Students with or without Disabilities (PreK-2)
- Elementary (1-6)
- Instructional Technology (all levels)
- Reading Specialist (all levels)
- School Social Worker/School Adjustment Counselor (all levels)
- School Business Administrator (all levels)
- School Guidance Counselor (PreK-8)
- School Guidance Counselor (5-12)
- School Principal/Assistant Principal (PreK-6)
- School Principal/Assistant Principal (5-8)
- School Principal/Assistant Principal (9-12)
- Superintendent/Assistant Superintendent (all levels)
- Supervisor/Director (all levels)
- Teacher of Biology (5-8)
- Teacher of Biology (8-12)
- Teacher of Chemistry (5-8)
- Teacher of Chemistry (8-12)
- Teacher of Dance (all levels)
- Teacher of Earth Science (5-8)
- Teacher of Earth Science (8-12)
- Teacher of English (5-8)
- Teacher of English (8-12)
- Teacher of Health/Family and Consumer Sciences (all levels)
- Teacher of History (5-8)

Note: See Catalog Web Addenda at www.bridgeville.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Teacher of History (8-12)  
Teacher of Mathematics (5-8)  
Teacher of Mathematics (8-12)  
Teacher of Music (all levels)  
Teacher of Physical Education (PreK-8)  
Teacher of Physical Education (5-12)  
Teacher of Physics (5-8)  
Teacher of Physics (8-12)  
Teacher of Students with Moderate Disabilities (PreK-8)  
Teacher of Students with Moderate Disabilities (5-12)  
Teacher of Students with Severe Disabilities (all levels)  
Teacher of Theater (all levels)  
Teacher of Visual Art (PreK-8)  
Teacher of Visual Art (5-12)

Note: All graduate students seeking licensure and enrolling in upper-level courses in the School of Education and Allied Studies must be officially accepted by the School of Graduate Studies and the School of Education and Allied Studies.

**Graduate Certificate Programs**

Graduate certificate programs are available for students who are interested in obtaining certain basic skills and competencies in a particular area of study. Admission to graduate certificate programs is limited to students who have an earned baccalaureate degree. Courses completed in graduate certificate programs may be applied to degree programs as long as they satisfy certain transfer guidelines.

Graduate certificate programs are offered in the following areas:

- Accounting
- Finance
- Information Systems Management
- Instructional Technology
- Management
- Marketing Management

For application materials and information on graduate certificate programs, contact the School of Graduate Studies at 508.531.1323.

**Graduate Admissions**

**Admission Standards**

**Postbaccalaureate Licensure Programs**

Students seeking admission to a postbaccalaureate initial licensure program must hold a bachelor's degree from a four-year institution of acceptable standing.

Applicants must meet the following criteria in order to be admitted by the School of Graduate Studies and School of Education and Allied Studies:

- A 2.8 undergraduate GPA.
- Three (3) appropriate letters of recommendation. At least one letter of recommendation should be an academic reference from a professor.
- A qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL). 
- Official transcripts of undergraduate and graduate course work.

Please note that admission decisions to Postbaccalaureate programs are made on a rolling basis when applications are submitted within a reasonable timeframe prior to the start of an academic semester.

Candidates who are applying for a license in a field in which they did not major are subject to a review of their course background in the license area; additional courses may be required in the content area.

**Accelerated Postbaccalaureate Licensure Program (APB)**

Students seeking admission to the accelerated postbaccalaureate initial licensure program must hold a bachelor's degree from a four-year institution of acceptable standing. Candidates for the APB program will be admitted by the School of Graduate Studies based upon the recommendation of the APB coordinator. The coordinator will base the admission recommendation on the candidate's potential to be an effective teacher based upon multiple indicators including, but not limited to, the following:

- A 2.8 undergraduate GPA.
- Content competence demonstrated by a passing score on the subject matter test portion of the Massachusetts Tests for Educator Licensure® (MTEL).  
  Note: Candidates who are applying for a license in a field in which they did not major are subject to a review of their course background in the license area; additional content courses may be required to be completed prior to admission.
- A qualifying score on the Communication and Literacy skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).
- Résumé.
- Experience with youth at the licensure level.

Applicants to the Accelerated Postbaccalaureate (APB) licensure program should refer to the "Secondary Education and Professional Programs" section of this catalog for admission criteria.

**Master of Arts in Teaching (MAT)**

Students seeking admission to the Master of Arts in Teaching degree program must hold a bachelor's degree from a four-year institution of acceptable standing. The MAT program is designed for high school and middle school teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts.
Applicants must meet the following criteria in order to be admitted by the School of Graduate Studies:

- A 2.75 undergraduate GPA based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years.
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test.
- An initial teaching license.
- Three appropriate letters of recommendation (at least two letters of recommendation should be from professors and the third letter of recommendation could be from a professional employer).
- Applicants not holding a bachelor's degree in the content area being pursued for the MAT are subject to a transcript review by the academic department to determine whether additional content course work will be required as program prerequisites.

**MASTER'S DEGREE PROGRAMS**

Please note that a number of graduate programs (including counseling, psychology, public administration, management, criminal justice, social work and certain education programs) have additional admission requirements, which are outlined in the appropriate departmental sections of this catalog.

Students seeking admission to a program leading to a master's degree must hold a bachelor's degree from a four-year institution of acceptable standing. (College seniors may be admitted on a conditional basis, pending receipt of their degree.) Master's degree applicants must meet the following criteria in order to receive a "clear admit" (full graduate student status):

- A 2.75 undergraduate GPA based upon four years of work or a 3.0 undergraduate GPA based upon work completed in the junior and senior years.
- A 2.8 undergraduate GPA based upon four years of work or a 3.0 undergraduate GPA based upon work completed in the junior and senior years for programs leading to initial licensure.
- Most programs require a composite score of 900 on the quantitative and verbal parts of the GRE General Test. Please consult the appropriate departmental section of the catalog. The Master of Science in Management program requires a GMAT score of 450 or higher.
- A rating of 1 (on part IV) on three letters of recommendation (1 being the highest rating on the scale). At least two letters of recommendation should be academic references from professors and the third letter of recommendation could be from a professional employer.
- Candidates for education programs leading to initial licensure need to provide a qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL). Some programs may require additional MTEL®. Please refer to the appropriate departmental section of this catalog.
- Applicants not holding a bachelor's degree in the content area being pursued for the MAT are subject to a transcript review to determine whether additional content course work will be required as program prerequisites.

Conditions that must be met to move from conditional to full graduate student status include:

- Students must meet with their advisers who will recommend three graduate courses that must be taken through Bridgewater State College after conditional admission to the program.
- Students must attain a GPA of at least 3.0 after completion of the three required courses.

If students attain a GPA of at least 3.0 after completing the courses, they will be moved to full graduate student status. If students do not earn a GPA of at least 3.0 after completing the courses, they will be subject to academic dismissal.

**CAGS AND POSTMASTER’S LICENSURE PROGRAMS**

Students seeking admission to a postmaster's program must hold a master's degree from an accredited institution and must meet the following criteria in order to be admitted by the School of Graduate Studies:

- A graduate GPA of 3.0.
- Three appropriate letters of recommendation (at least two letters of recommendation should be from professors and the third letter of recommendation could be from a professional employer).
- Candidates for education programs leading to initial licensure need to provide qualifying scores on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).

**APPLICATION PROCEDURES**

For most programs the School of Graduate Studies admits students for the fall and spring semesters and summer sessions of each year. An application is not complete unless all of the appropriate documents have been received by the School of Graduate Studies on or before the appropriate application deadline.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda as that information supersedes the published version of this catalog.
School of Graduate Studies

February 1  Social Work fall semester admission
February 15 Summer session admission
March 1  Psychology fall semester admission
March 1  Counselor Education fall semester admission
May 15  Fall semester admission
October 1  Spring semester admission
October 1  Counselor Education spring semester admission

Postbaccalaureate and accelerated postbaccalaureate programs have "rolling admission," accepting applications at any time, within a reasonable time frame prior to the start of an academic semester.

Applicants who have questions regarding graduate application procedures and deadlines should contact the School of Graduate Studies at 508.531.1261 or 508.531.2490. It is the responsibility of graduate students to make certain that all application documents are received on time. Applicants should indicate a specific degree or licensure program (and also the area of study) when they request application forms.

Certain programs require a formal interview with the program coordinator. Please consult the department requirements presented in this catalog.

Applicants to a graduate program should make certain that the material listed below is on file in the School of Graduate Studies. Application forms with fee payments and all other correspondence and application material should be sent to:

Bridgewater State College
School of Graduate Studies
Maxwell Library - Room 019
Bridgewater, MA 02325

An application is not complete unless all of the appropriate documents listed below have been received by the School of Graduate Studies.

1. Graduate application form and application fee
   Graduate students should send the completed application form and application fee of $50 to the School of Graduate Studies to begin the admissions' application process. (The application fee for the Accelerated Postbaccalaureate (APB) licensure program is $100.) Checks for the application fee should be made payable to Bridgewater State College.

2. An official copy of all undergraduate and graduate transcripts
   Official transcripts must be sent directly to the School of Graduate Studies and must bear the seal and/or stamp of the issuing college. Copies of transcripts and transcripts marked "Issued to Student" are not acceptable. Applicants who have attended more than one undergraduate college and/or graduate school should arrange to have transcripts of all course work, including grade results, from each school attended sent directly to the School of Graduate Studies. Graduates of Bridgewater State College and persons who have taken non-degree credit at the college should request the Registrar's Office to send transcripts to the School of Graduate Studies.

   Applicants who have successfully completed graduate courses, as well as those who hold a degree(s) in addition to the baccalaureate, must fulfill all application requirements as set forth in the college catalog. The successful completion of graduate courses prior to application shall not obligate the academic department or the School of Graduate Studies to recommend an applicant for acceptance.

3. Letters of recommendation
   Three letters of recommendation are required for all programs with the exception of the Master of Science in Management degree program, which requires two letters of recommendation.

   Candidates for the master's degree in counselor education should consult that program's section of this catalog for specific instruction about letters of recommendation.

   Forms for recommendations are available from the School of Graduate Studies. In general, only letters of recommendation submitted on these forms and sent by the reference directly to the School of Graduate Studies will be accepted. These letters provide an estimate of applicants' abilities to successfully pursue programs in their proposed fields or concentrations. For MAT and MEd applicants, at least two letters must be from faculty who have taught the applicants at the collegiate level (undergraduate or graduate). The third letter may be from appropriate employers or school administrators for whom the applicants have taught. For MA and MS applicants, at least two letters must be from people who have taught the applicants in the appropriate areas of concentration. The third MA and MS letter may be from faculty members who have taught the applicants at the collegiate level or from appropriate employers or school administrators for whom the applicants have taught.

4. Graduate Record Examination (GRE)
   For those programs requiring the GRE as an admission requirement, students are required to submit the results of the General Test. Applicants must arrange to have their official score report sent directly from the Educational Testing Service to the School of Graduate Studies. Bridgewater State College's CEEB code is 3517. Photocopies and scores submitted by applicants are not acceptable. Information relative to the GRE may be obtained from the School of Graduate Studies or www.GRE.org. Students who have earned a master's degree are exempt from the GRE requirement.

5. Graduate Management Admission Test (GMAT)
   Master of Science in Management applicants are required to submit GMAT scores. Applicants must arrange to have an official
score report sent directly from the Educational Testing Service. Bridgewater State College’s CEEB code is 3517. Photocopies and scores submitted by applicants are not acceptable. Information pertaining to the GMAT may be obtained from the School of Graduate Studies or www.mba.com. Students who have earned a master’s degree are exempt from the GMAT requirement.

6. Test of English as a Foreign Language (TOEFL)
   All applicants from countries where English is not the official language also must provide scores from the TOEFL examination. Ordinarily, only students with TOEFL scores of 213 (computer-based total) or better will be considered for admission.

7. Massachusetts Tests for Educator Licensure® (MTEL) (Communication and Literacy Skills portion)
   Applicants must provide a qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL) as a graduate admission requirement if applying to one of the following education programs:
   - Postbaccalaureate and Accelerated Postbaccalaureate (APB) initial teacher licensure programs. (Applicants to the Accelerated Postbaccalaureate (APB) program must also submit a qualifying score on the appropriate MTEL® subject matter test.)
   - MEd and CAGS programs leading to initial administrator licensure
   - All MEd programs leading to initial teacher licensure
   - MEd, Postmaster’s and CAGS programs leading to initial support licensure; e.g. instructional technology specialist, school guidance counselor
   Note: Some programs may require additional MTEL®. Please refer to the appropriate departmental section of this catalog.

8. Additional departmental requirements
   There may also be special departmental requirements relative to the application, such as an interview. Such requirements, if any, are to be found under each department’s description of its graduate program(s) in this catalog.

International Student Admission Requirements

Students applying for admission to a BSC graduate program, who plan to come into this country on an F-1 Visa, will need to include the following documents with the application and application fee:

- Certified bank/financial statement attesting to the fact that funds are available specifically for educational expenses. The statement must show sufficient funding for one year of college-related costs and living expenses. Presently, BSC estimates this amount to be approximately $16,256.
- Test of English as a Foreign Language (TOEFL) Score (if necessary, in accordance with English language skills). Students for whom English is a second language will be required to submit an official copy of results from the TOEFL, unless they have at least two years experience in an American college or university. Students must receive a total score of 213 from a computer-based test or 550 from a paper-based test or 79-80 on the internet-based test.
- GRE or GMAT Scores (dependent upon program)
- Transcripts - All transcripts must be evaluated and translated showing equivalence of U.S. baccalaureate degree by an agency such as the Center for Educational Documentation, Boston, MA (www.cedevaluations.com), World Education Services, Inc., New York, NY (www.wes.org), or another reputable agency.

- Three Letters of Recommendation - At least two letters of recommendation should be academic references from professors and the third letter of recommendation could be from a professional employer.

It is strongly suggested that international students submit a completed application at least one month prior to the deadline in order to have sufficient time to receive an initial I-20 form needed to apply for an F-1 Visa.

Admissions Decisions

Action by the Academic Department

All completed applications are sent by the School of Graduate Studies to the academic department in which applicants propose to concentrate. After reviewing these applications, departments make recommendations to the School of Graduate Studies.

Action by the Educator Licensure Office

All completed applications of applicants seeking licensure are sent to the Educator Licensure Office in the School of Education and Allied Studies. After reviewing these applications, decisions are given to the School of Graduate Studies.

Action by the School of Graduate Studies

The School of Graduate Studies, after reviewing the recommendations of the academic department, notifies applicants of the action taken.

Change in Program

Any request to change from one graduate program to another must be made prior to the deadline for receiving completed applications as indicated in the college calendar. All requests are subject to departmental approval. Students wishing to change programs should request the School of Graduate Studies office in writing to review their file to determine what additional material needs to be submitted. Appropriate credits earned prior to a program change may be transferred to the new graduate program with the approval of the new adviser and program coordinator.

Graduate Advisers and Graduate Program Planning

Graduate students who are accepted are assigned advisers in the students’ area of study. Students in several programs are required to enroll in the program planning course GRPP 501 Graduate Program Planning.

Note: See Catalog Web Addenda at www.bridgev.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Planning (one graduate credit) as part of the minimum credit requirements in their program. Students should consult specific program requirements to see if this course is required.

Students’ academic and professional backgrounds and objectives are considered during the planning and development of a coherent program of graduate study. Graduate students who have been accepted into a master’s degree or CAGS program should enroll under the direction of their advisers immediately after acceptance by the School of Graduate Studies and prior to enrolling in any additional courses. For details, graduate students should contact their advisers.

All accepted graduate students will receive copies of the Graduate Program Proposal form from the School of Graduate Studies. Students are required to have a completed copy of this form sent to the School of Graduate Studies when applying to graduate.

### GRADUATE PROGRAM REQUIREMENTS

**MASTER OF ARTS**

**General Requirements** – A minimum of 30 approved graduate credits is required for the Master of Arts (MA) degree. All credits must have the adviser’s endorsement. A thesis is optional in Master of Arts programs. For additional details, students should consult appropriate departmental sections of the catalog for specific program requirements for the degree.

**MASTER OF ARTS IN TEACHING**

The Master of Arts in Teaching (MAT) degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. The MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations. This degree program will also appeal to secondary school teachers who already hold a standard level or professional license and want to acquire additional knowledge and a master’s degree in the discipline.

Students needing initial licensure should refer in this section of the catalog to the program entitled “Accelerated Postbaccalaureate Program (APB): Initial Licensure for Secondary (Subject Areas: 8-12) and Middle Level (Subject Areas: 5-8) Teachers.” Students seeking licensure should also consult the section of this catalog entitled “School of Education and Allied Studies” for information pertaining to licensure, admission to and retention in professional education, as well as important institutional deadlines.

**General Requirements** – A minimum of 33 approved graduate credits is required for the MAT degree, which is offered through the Department of Secondary Education and Professional Programs and the academic departments of the college. For program and course details, students should consult the MAT information listed in this catalog under the “Department of Secondary Education and Professional Programs” and under the appropriate academic department.

**MASTER OF EDUCATION**

The Master of Education (MED) degree is designed for persons with a wide variety of academic and professional objectives. Students are encouraged to consult specific MED program descriptions in this catalog.

**General Requirements** – A minimum of 30 approved graduate credits, depending upon the program, is required for the Master of Education degree. For program and course details, students should consult the appropriate departmental section of this catalog. Degree credits must have the endorsement of the adviser.

**Licensure Information** – A number of Bridgewater State College’s master of education programs have been approved by the Massachusetts Department of Education for the licensure of educational personnel. Specific information regarding such programs is provided in this catalog under the “School of Education and Allied Studies” and appropriate departmental program descriptions. For additional details regarding certification program procedures and requirements, students should contact the appropriate graduate program coordinator.

**MASTER OF PUBLIC ADMINISTRATION**

The Master of Public Administration (MPA) degree provides professional education to prepare persons for leadership roles in public administration and public affairs. Program details are provided in the graduate program section under “Political Science” in this catalog.

**General Requirements** – A minimum of 40 to 46 approved graduate credits is required for the Master of Public Administration (MPA) degree. The MPA program accommodates the needs of both pre-career students and in-career professionals by offering alternative program requirements that take into account students’ academic and professional background.

**MASTER OF SCIENCE**

**General Requirements** – A minimum of 30 approved graduate credits is required for the Master of Science (MS) degree. All credits must have the adviser’s endorsement. A thesis is optional in certain Master of Science programs. For additional details, students should consult appropriate departmental sections of the catalog for specific program and course requirements for the degree.

**MASTER OF SCIENCE IN MANAGEMENT**

The Master of Science in Management (MS) degree prepares students to apply systems thinking to managerial problems, direct large-scale projects, and lead people and organizations through complex change. Program details are provided in the “School of Business” section of this catalog.
General Requirements – A minimum of 30 credit hours of graduate course work, including a core of five courses, three concentration courses, one elective and one capstone course. The foundation courses must be taken prior to taking the core or concentration courses and may not be used to fulfill the 30 credit program requirements. The foundation course requirements can be satisfied by completion of approved equivalent undergraduate courses: a statistics course for MGMT 500, courses in accounting and finance for ACFI 505, and courses in marketing and law for MGMT 506. Students concentrating in accounting will need additional prerequisites. Accounting students may call 508.531.1395 or e-mail afdept@bridgew.edu for more information.

MASTER OF SOCIAL WORK
The mission of the Master of Social Work (MSW) program is to prepare advanced professional practitioners to address regional needs, promote social justice, and enhance the strength and resilience of communities, families and individuals. Program details are provided in the “Social Work” section of this catalog.

General Requirements – A minimum of 62 approved graduate credits is required for the Master of Social Work (MSW) degree. Students enrolled in the MSW program for advanced standing are required to complete a minimum of 35 approved graduate credits.

CERTIFICATE OF ADVANCED GRADUATE STUDY
General Requirements – A minimum of 30 approved graduate credits is required for the Certificate of Advanced Graduate Study program. Courses taken for the CAGS may not repeat work previously accomplished by students in either their undergraduate or graduate degree work. At least one-half of the CAGS credits must be earned in courses limited to postmaster’s students (600-level).

Currently, the college offers a program leading to a Certificate of Advanced Graduate Study (CAGS) in Education with concentrations in counseling, educational leadership and reading. For details, students should consult the counselor education, educational leadership and reading program sections of this catalog.

COLLABORATIVE CAGS/EdD PROGRAM
There is a transfer agreement between Bridgewater State College, which offers the Certificate of Advanced Graduate Study (CAGS) (see above), and the University of Massachusetts-Lowell, which offers the Doctor of Education (EdD) degree. Further program information is provided in the “School of Education and Allied Studies” section of this catalog.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
School of Arts and Sciences

Anthropology

Art

Biological Sciences

Chemical Sciences

Communication Studies

Criminal Justice

Earth Sciences

English

Foreign Languages

Geography

History

Mathematics and Computer Science

Music

Philosophy

Physics

Political Science

Psychology

Social Work

Sociology

Theater and Dance

Dr. Howard London
Dean, School of Arts and Sciences

Dr. Rita Miller
Associate Dean, School of Arts and Sciences

ACADEMIC DEPARTMENTS

Anthropology
  Dr. Curtiss Hoffman, Chairperson

Art
  Dr. Brenda Molife, Chairperson

Biological Sciences
  Dr. Kevin Curry, Chairperson

Chemical Sciences
  Dr. Edward Brush, Chairperson

Communication Studies
  Dr. Jabbar Al-Obaidi, Chairperson

Criminal Justice
  Dr. Dennis Dion, Acting Chairperson

Earth Sciences
  Dr. Jacek Sulanowski, Chairperson

English
  Dr. Ann Brunjes, Chairperson

Foreign Languages
  Dr. Fernanda Ferreira, Chairperson

Geography
  Dr. James Hayes-Bohanan, Chairperson

History
  Dr. Leonid Heretz, Chairperson

Mathematics and Computer Science
  Assistant Professor Richard Quindley, Chairperson

Music
  Dr. Salil Sachdev, Chairperson

Philosophy
  Dr. Aeon Skoble, Chairperson

Physics
  Dr. Martina Arndt, Chairperson

Political Science
  Dr. George Serra, Chairperson

Psychology
  Dr. Ruth Hannon, Chairperson

Social Work
  Dr. Rebecca Leavitt, Chairperson

Sociology
  Dr. Patricia Fanning, Chairperson

Theater and Dance
  Associate Professor Henry Shaffer, Chairperson
UNDERGRADUATE PROGRAMS

The School of Arts and Sciences offers undergraduate programs leading to the Bachelor of Arts or Bachelor of Science degree in the areas listed below. Listed below each department are the concentrations it offers. Concentrations are programs of study within the major with their own subset of requirements. Only students selecting the major field of study may complete a concentration within that major. The completed concentration is indicated on the student’s transcript.

Anthropology
   Cultural Anthropology
   General Anthropology
   Public Archaeology
Art
   Art Education
   Art History
   Crafts
   Fine Arts
   Graphic Design
   Photography
Biology
   Biomedical/Molecular Biology
   Environmental Biology
   General Biology
Chemistry
   Biochemistry
   Environmental Chemistry
   Professional Chemistry
Chemistry-Geology
   Communications Studies
   Communication Studies
Computer Science
   Criminal Justice
Earth Sciences
   General
   Environmental Geosciences
   Geology
English
   English Education (High School, Middle School)
   Writing
Geography
History
   Military History
   Mathematics
   Music
   Music Education
   Philosophy
   Applied Ethics
   Physics
   General Physics
   Professional Physics
Political Science
   American Politics
   International Affairs
   Legal Studies
   Public Administration
Psychology
   Child Psychology
   Industrial and Organizational Psychology
   Medical and Health Psychology
   Social Work
   Sociology
   City, Community and Regional Education
   Global Studies
   Spanish
   Theater and Dance
   Dance Education
   Theater Arts
   Theater Education
with the standards in the student’s major field as determined by the major department.

In cases where students with double majors are eligible for a BA, BS and/or BSE degree, the student will select which major department will make the decision regarding which degree the student will be awarded.

Students are advised to consult with their department chairperson or major adviser early in their academic career, but not later than the end of the sophomore year, in order to select a major and to be certain that course selection will allow graduation with the desired degree.

Students should be aware that not all courses are offered in the evening. Students who are only able to enroll in classes 4:00 PM or after should consult the appropriate department chairperson for information about the availability of evening sections of courses required in a specific major, concentration and/or minor.

UNDERGRADUATE MINORS

In the School of Arts and Sciences the following minors in specific disciplines or interdisciplinary areas are offered:

Actuarial Science
American Studies
Anthropology
Art
Art History
Asian Studies
Biochemistry
Biological Science
Biotechnology
Canadian Studies
Chemistry
Civic Education and Community Leadership
Communication Studies
Computer Science
Criminal Justice
Dance
Earth Sciences
English
Environmental Biology
Ethnic Studies
Forensic Psychology
Geography
Geophysics

BACHELOR OF ARTS/BACHELOR OF SCIENCE

The Bachelor of Arts and Bachelor of Science degree programs allow students to select from a number of areas and provide preparation for high school teaching (if secondary education is elected as a minor), graduate school, and fields of endeavor related to the major area of study.

The decision as to whether to award the degree of Bachelor of Arts or the degree of Bachelor of Science shall be consistent

SCHOOL OF ARTS AND SCIENCES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
GRADUATE PROGRAMS

Graduate programs leading to the Master of Arts, Master of Arts in Teaching, Master of Public Administration, Master of Science and Master of Social Work degrees are offered in the following fields:

Master of Arts
   English
   Concentration:
   Creative Writing
   Psychology

Master of Arts in Teaching
   Biology
   Creative Arts
   English
   History
   Mathematics
   Music Education
   Physical Science
   Physics

Master of Public Administration
   Concentrations:
   Financial Administration
   Municipal and Regional Development and Management
   Nonprofit Administration

Master of Science
   Computer Science
   Criminal Justice

Master of Social Work

Additional information regarding graduate programs, including application procedures and academic requirements, may be found in the “School of Graduate Studies” and appropriate departmental sections of this catalog.

DEPARTMENTAL COURSE DESCRIPTIONS

See the “Course Descriptions” section of this catalog for departmental course descriptions.
Faculty

Chairperson: Professor Curtiss Hoffman
Professor: Sandra Faiman-Silva
Associate Professor: Diana Fox
Assistant Professors: Louise Badiane, Ellen Ingmanson

Department Telephone Number: 508.531.1799
Location: Burrill Office Complex
Web site: www.bridgew.edu/Anthro

Degree Programs
- BA in Anthropology
  Concentrations: Cultural Anthropology, General Anthropology
- BS in Anthropology
  Concentration: Public Archaeology

Undergraduate Minors
- Anthropology

The department provides a strong liberal arts curriculum aimed at developing well-rounded, informed citizens with strong critical thinking abilities. Department programs also impart skills to students, preparing them for a wide range of professions. The department encourages students to continue on to graduate study.

Many department faculty members engage in research and the department encourages student-faculty collaborative research. Students may also carry out internships. The public archeology concentration requires that students participate in field work or laboratory work, and the department offers a summer archaeological field school.

Undergraduate Programs

Bachelor of Arts/Bachelor of Science
Anthropology, the scientific study of humankind, allows students to build cross-cultural understandings through an intensive study of other cultures. Anthropology is traditionally divided into five sub-fields: cultural anthropology, archaeology, physical (or biological) anthropology, applied anthropology, and linguistics. A major in anthropology provides students with an understanding of societies and cultures throughout the world. Students majoring in anthropology are prepared to understand and work with individuals from other cultural settings, in health care, social services and public welfare agencies; or as teachers, museum curators, environmentalists, or in private industry. Students may select a BA in cultural anthropology or general anthropology, or a BS in public archaeology. Students may also combine a major in anthropology with an education major.

Cultural Anthropology Concentration
Students taking the cultural anthropology concentration are introduced to three of the five anthropology sub-fields along with upper division area studies and topically focused courses. Cultural anthropology uses a comparative, cross-cultural method to understand human culture and its variations. Cultural anthropologists draw on quantitative and qualitative data in their research, based on first hand participant observation fieldwork and interviews.

Public Archaeology Concentration
The public archaeology concentration provides the basic knowledge and training necessary for careers in contract archaeology and to the study of federal, state, and local legislation protecting archaeological resources. The concentration relies heavily on cognate courses in geology and geography.

General Anthropology Concentration
The general anthropology concentration introduces students to four of anthropology's five major subfields: cultural, biological, archaeological, and applied anthropology. This concentration will expose students to a thorough understanding of the breadth and depth of anthropology, with an opportunity to see how anthropological ideas and methods are used to address human problems. Students will be well prepared to bring anthropological skills to the work place or to enter a broad based graduate program in anthropology.

Anthropology Major
a) Cultural Anthropology Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 100 Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 101 Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 103 Introduction to Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 400 Seminar: Anthropological Theory</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 401 Research Methods in Anthropology (Writing intensive in the Major Core Curriculum Requirement-CWRRM)</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: LANG 300 Languages of the World may be substituted for ANTH 101 or ANTH 103

Plus one course:...

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 206 Native Cultures of North America</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 209 Peoples and Cultures of Africa</td>
<td></td>
</tr>
<tr>
<td>ANTH 213 Latin American Peoples and Cultures</td>
<td></td>
</tr>
<tr>
<td>ANTH 215 The Caribbean</td>
<td></td>
</tr>
<tr>
<td>ANTH 216 People and Cultures of the Near East</td>
<td></td>
</tr>
</tbody>
</table>

Plus 15 additional credits in anthropology courses, at least 12 of which must be at the 300 level or above. Students may take up to 3 credits in archaeology or biological...
anthropology at the 300 level or above as part of this concentration ................................................................. 15
   Total minimum credits: 33

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

b) Public Archaeology Concentration

   CREDITS
   ANTH 100 Introduction to Cultural Anthropology ........................................... 3
   ANTH 101 Biological Anthropology ............................................................... 3
   ANTH 103 Introduction to Archaeology .......................................................... 3
   ANTH 206 Native Cultures of North America .................................................. 3
   ANTH 328 Archaeology of North America ...................................................... 3
   ANTH 400 Seminar: Anthropological Theory (Writing Intensive in the Major Core Curriculum Requirement-CWRM) ............ 3
   ANTH 410 Public Archaeology ........................................................................ 3

   Plus 9 credits of field or laboratory work in archaeology (any combination of ANTH 303, ANTH 332, ANTH 405 and Directed Study or Internship) ................................................................. 9

   Plus 3 additional credits in anthropology ..................................................... 3

Cognate requirements:
   MATH 110 Elementary Statistics I ...................................................................... 3
   or
   ANTH 401 Research Methods in Anthropology
   or
   GEOG 315 Quantitative Geography
   EASC 100 Physical Geology .............................................................................. 4

   Plus four courses from: .................................................................................... 12
   EASC 101 Historical Geology
   EASC 194 Environmental Geology
   EASC 370 Sedimentology and Stratigraphy
   EASC 480 Remote Sensing
   GEOG 213 Geographic Information Systems (GIS) I
   GEOG 317 Air Photo Interpretation-Remote Sensing
   GEOG 332 Management and Preservation of the Natural Environment
   INTD 350 Soil Identification and Interpretation for Land Use
   Or other cognates deemed appropriate by the department
   Total minimum credits: 52

c) General Anthropology Concentration

   ANTH 100 Introduction to Cultural Anthropology ........................................... 3
   ANTH 101 Biological Anthropology ............................................................... 3
   ANTH 103 Introduction to Archaeology .......................................................... 3
   ANTH 400 Seminar: Anthropological Theory (Writing Intensive in the Major Core Curriculum Requirement-CWRM) ............ 3

   Plus one course in a cultural area from ........................................................... 3
   ANTH 206 Native Cultures of North America
   ANTH 209 Peoples and Cultures of Africa
   ANTH 213 Latin American Peoples and Cultures
   ANTH 215 The Caribbean
   ANTH 216 Peoples and Cultures of the Near East
   ANTH 319 Contemporary Native Americans
   ANTH 409 Mesoamerican Societies and Cultures

   Plus 9 additional elective credits in anthropology, at least six of which must be at upper division level (300-400), one in each of the three sub-disciplines below ................................................................. 9

   Cultural:
   ANTH 305 Culture Change
   ANTH 307 Anthropology of Religion
   ANTH 308 Anthropology of Education
   ANTH 309 Anthropology of Art
   ANTH 314 Women in Myth and Lore
   ANTH 315 Ethnic Experience in America
   ANTH 319 Contemporary Native Americans
   ANTH 322 War, Peace and Culture
   ANTH 330 Medical Anthropology
   ANTH 331 Political Anthropology
   ANTH 340 Myths and Peoples of the Ancient Near East
   ANTH 399 Special Topics in Anthropology, as appropriate
   ANTH 404 Seminar: Culture and Consciousness
   ANTH 409 Mesoamerican Societies and Cultures
   ANTH 417 Seminar: She/He "Two Spirits" Gender Cross-Culturally
   ANTH 420 Visual Anthropology
   ANTH 426 Seminar: New England Ethnic and Regional Communities
   ANTH 435 Seminar: Global Feminism

   Biological:
   ANTH 399 Special Topics in Anthropology, as appropriate
   ANTH 405 Forensic Anthropology

   Archaeology:
   ANTH 303 Archaeological Field Excavation in Prehistoric Sites in New England
   ANTH 328 Archaeology of North America
   ANTH 332 Practicum in Field Archaeology (3 credits)
   ANTH 399 Special Topics in Anthropology, as appropriate
   ANTH 410 Public Archaeology
   ANTH 425 Seminar: Problems of New England Archaeology
Plus three additional, 3-credit electives in anthropology, two of which must be upper division level (300 and above). .......................... 9

Plus one, 3 credit research or applied course from the list below: ................................................................. 3
- ANTH 303 Archaeological Field Excavation in Prehistoric Sites in New England
- ANTH 332 Practicum in Field Archaeology
- ANTH 355 Anthropological Study Tour
- ANTH 405 Forensic Anthropology
- ANTH 485 Honors Thesis
- ANTH 498 Field Experience in Anthropology

Cognate requirements:
Research methods course (choose one)................................. 3
- GEOG 315 Quantitative Geography
- MATH 110 Elementary Statistics I
- ANTH 401 Research Methods in Anthropology

Foreign Language Requirement:
A two-semester sequence of an introductory foreign language or its equivalent .................................................. 6

Total minimum credits: 45

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION
Students may choose a double major in anthropology and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested course sequences are available.

ANTHROPOLOGY MINOR
Anthropology minors are advised to take the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any two of the following:</td>
<td>6</td>
</tr>
<tr>
<td>ANTH 100 Introduction to Cultural Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 101 Biological Anthropology</td>
<td></td>
</tr>
<tr>
<td>ANTH 103 Introduction to Archaeology</td>
<td></td>
</tr>
<tr>
<td>Plus any one of the following:</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 206 Native Cultures of North America</td>
<td></td>
</tr>
<tr>
<td>ANTH 208 Anthropology of Women</td>
<td></td>
</tr>
<tr>
<td>ANTH 209 Peoples and Cultures of Africa</td>
<td></td>
</tr>
<tr>
<td>ANTH 213 Latin American Peoples and Cultures</td>
<td></td>
</tr>
<tr>
<td>ANTH 215 The Caribbean</td>
<td></td>
</tr>
</tbody>
</table>

ANTH 216 Peoples and Cultures of the Near East ............................... 12

Total minimum credits: 21

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Art

Faculty

Chairperson: Assistant Professor Brenda Molife
Graduate Program Coordinator: Professor Dorothy Pulsifer
Professors: Roger Dunn, Mercedes Nunez
Associate Professors: Jeffrey Asmus, Rob Lorenson
Assistant Professors: Leigh Craven, Mary Dondoro, Ivana George, John Hooker, Magaly Ponce, Robert Saunders III, Beatrice St. Laurent, Donald Tarallo

Department Telephone Number: 508.531.1359
Location: Art Building, Room 100
Web site: www.bridgew.edu/art

Degree Programs

• BA in Art
  Concentrations: Art Education, Art History, Crafts, Fine Arts, Graphic Design, Photography
• MAT - Creative Arts

Undergraduate Minors

• Art
• Art History

Undergraduate Programs

Bachelor of Arts
The Department of Art offers six concentrations:
Art Education
Art History
Crafts
Fine Arts
Graphic Design
Photography

The undergraduate program offers a broad-based training in the visual arts. In addition to course work, internships give first-hand experience in such areas as graphic design, museology, exhibition planning, and community art programs. Students planning to pursue graduate study at some point in their careers should work closely with their advisers to select appropriate course work beyond the 36-hour requirements of the major, thus earning themselves a competitive edge in the application process at the graduate level.

Students interested in teaching art must select a minor in secondary education. However, state-mandated requirements for teacher training are subject to change, so it is necessary to consult with Professor Dorothy Pulsifer regarding up-to-date requirements. Prospective teachers of art are encouraged to join the student chapter of the National Art Education Association.

Art majors not interested in an education minor are encouraged to select a minor complementing their interests within the major. Students who are not art majors, wishing to minor in art or art history will find a diversity of course offerings suitable to their interests and skills. To insure an appropriate selection of art courses in the major or minor, it is important that each student work closely with his or her art adviser or the department chairperson in program selection.

A student majoring in art must achieve a grade of C- or better in all of the required courses within the art program, repeating courses if necessary to achieve the required grade.

Students should be aware that typically there are additional hours outside of class to complete course requirements and expenses for materials and tools in studio courses beyond the required fees. Field trips to museums, studios and commercial galleries in the region, in New York City, and at other sites are regularly a part of many art history and studio art courses, and include additional costs.

A gallery calendar of changing exhibitions is maintained throughout the academic year in the Wallace L. Anderson Gallery within the art building. (One of these exhibitions is the student show, and art majors and minors are encouraged to set aside their best work to submit to this annual showing.) In an adjacent gallery is a continuing exhibition of works from the permanent art collection. These gallery facilities offer a range of work that enhances classroom instruction. In addition, visiting artists and related art programs are made possible each year by a generous gift from the Class of 1936.

Fine Arts Concentration

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 125 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 130 Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 140 Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 201 Ancient and Medieval Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>or ARTH 202 Renaissance and Baroque Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 309 Early Modern Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 310 Art and Architecture since 1940</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 225 Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 230 Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 240 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 255 Printmaking I</td>
<td>3</td>
</tr>
</tbody>
</table>
One craft course from, but not limited to, the following courses: ........................................... 3
ARTS 270 Ceramics I
ARTS 273 Glass I
ARTS 280 Metals I
ARTS 290 Weaving I
One, additional 3-credit art elective (ARTH 101 and ARTH 102 do not fulfill this elective requirement) .............. 3
Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

GRAPHIC DESIGN CONCENTRATION CREDITS
ARTS 125 Drawing I ........................................... 3
ARTS 130 Two-Dimensional Design ........................................... 3
ARTS 140 Three-Dimensional Design ........................................... 3
ARTS 225 Drawing II ........................................... 3
ARTS 230 Painting I ........................................... 3
ARTS 240 Sculpture I ........................................... 3
ARTS 260 Graphic Design I ........................................... 3
ARTH 309 Early Modern Art and Architecture ........................................... 3
ARTH 310 Art and Architecture since 1940 ........................................... 3
ARTH 361 Graphic Design II ........................................... 3
ARTH 362 Graphic Design III ........................................... 3
ARTH 460 Advanced Graphics ........................................... 3

Admission to the graphic design concentration is based on a portfolio review, but graphic design courses may be taken without this review. Normally the review should follow successful completion of ARTS 260.

Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

CRAFTS CONCENTRATION CREDITS
ARTS 125 Drawing I ........................................... 3
ARTS 130 Two-Dimensional Design ........................................... 3
ARTS 140 Three-Dimensional Design ........................................... 3
ARTS 230 Painting I ........................................... 3
or
ARTS 235 Watercolor Painting I ........................................... 3
ARTS 240 Sculpture I ........................................... 3
ARTH 309 Early Modern Art and Architecture ........................................... 3
ARTH 310 Art and Architecture since 1940 ........................................... 3
ARTH 360 Business Issues for Visual Artists ........................................... 3

Choose two, level I craft courses: ........................................... 6
ARTS 270 Ceramics I
ARTS 273 Glass I
ARTS 280 Metals I
ARTS 290 Weaving I
One 300 level crafts course ........................................... 3
One 400 level crafts course ........................................... 3
Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

ART HISTORY CONCENTRATION CREDITS
ARTH 125 Drawing I ........................................... 3
ARTH 130 Two-Dimensional Design ........................................... 3
ARTH 140 Three-Dimensional Design ........................................... 3
ARTH 201 Ancient and Medieval Art and Architecture ........................................... 3
ARTH 202 Renaissance and Baroque Art and Architecture ........................................... 3
ARTH 309 Early Modern Art and Architecture ........................................... 3

Choose one: ........................................... 3
ARTH 104 Introduction to Digital Imaging and 4-D Design
ARTH 216 Photography I
ARTH 230 Painting I
ARTH 235 Watercolor Painting I
ARTH 255 Printmaking I
ARTH 260 Graphic Design I

Choose one: ........................................... 3
ARTH 240 Sculpture I
ARTH 270 Ceramics I
ARTH 273 Glass I
ARTH 280 Metals I
ARTH 290 Weaving I

An art studio course chosen from the ARTS 200 or higher level of the courses listed above or any ARTH 200 level course or higher ........................................... 3

6 credits in 200 level or higher ARTH courses ........................................... 6

3 credits in Non-Western art history from the following courses: ........................................... 3
ARTH 205 Asian Art Survey: India, China and Japan
ARTH 207 Introduction to African Art
ARTH 208 Survey of Islamic Art and Architecture

Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation.

SCHOOL OF ARTS AND SCIENCES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**Photography Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 218 History of Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 104 Introduction to Digital Imaging and 4-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 125 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 130 Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 140 Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 216 Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 217 Digital Photography I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 230 Painting I</td>
<td>3</td>
</tr>
<tr>
<td>or ARTS 235 Watercolor Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 240 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 316 Photography II</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 416 Advanced Photography</td>
<td>3</td>
</tr>
<tr>
<td>Any ARTH course at the 200 or higher level</td>
<td>3</td>
</tr>
</tbody>
</table>

Total minimum credits: 36

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**Art Education Concentration**

Students majoring in education must refer to the Department of Secondary Education and Professional Programs for specific requirements and consult with the art education coordinator, Professor Dorothy Pulsifer, for additional information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ARTH 201 Ancient and Medieval Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 202 Renaissance and Baroque Art and Architecture</td>
<td>3</td>
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<tr>
<td>ARTH 309 Early Modern Art and Architecture</td>
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</tr>
<tr>
<td>ARTS 125 Drawing I</td>
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<tr>
<td>ARTS 225 Drawing II</td>
<td>3</td>
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<td>3</td>
</tr>
<tr>
<td>ARTS 240 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 255 Printmaking I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 260 Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td>or ARTS 104 Introduction to Digital Imaging and 4-D Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 270 Ceramics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total minimum credits: 39

**Art History Minor**

Not open to art majors

<table>
<thead>
<tr>
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<th>Credits</th>
</tr>
</thead>
<tbody>
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<tr>
<td>ARTH 202 Renaissance and Baroque Art and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 309 Early Modern Art and Architecture</td>
<td>3</td>
</tr>
</tbody>
</table>

Select four additional courses from art history offerings at the 200 level or above, ANTH 309 Anthropology of Art and PHIL 325 Philosophy of Art are other options within this requirement.

Total minimum credits: 21

**Honors Program**

The honors program in art provides highly motivated art majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in postgraduate employment or in the pursuit of an advanced degree in art. Contact the Department of Art for further information concerning eligibility and application.

**Graduate Programs**

**Master of Arts in Teaching Creative Arts**

The Master of Arts in Teaching degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. The MAT program is designed to meet the "appropriate master's degree" requirement, which is part of the criteria for professional stage licensure, as set forth in
the most recent DOE licensure regulations. This degree program will also appeal to secondary school teachers who already hold a standard level or professional license and want to acquire additional knowledge and a master's degree in the discipline.

Students should consult the "School of Graduate Studies" section of the catalog for information regarding graduate program procedures.

Admission Requirements
1.) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2.) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3.) An initial teaching license
4.) Three appropriate letters of recommendation
5.) Official transcripts of all undergraduate and graduate course work

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under "Graduate Advisers and Graduate Program Planning" in the "School of Graduate Studies" section of this catalog.

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

Education Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

MAT students are expected to have, or acquire in addition to degree requirements, an appropriate background of college level courses, to be determined by the department.

A minimum of 18 approved graduate credits in the academic area of concentration, which meet the academic and professional objectives of the student, is required.......... 18

Successful completion of a comprehensive examination is also required.

Total minimum credits: 34
In addition to the broad array of biology courses, students have opportunities to join biology faculty in research projects, and to participate in internships, whether local, regional or out-of-state.

The Department of Biological Sciences is located in the Conant Science Building. The department has 10 teaching laboratories, two lecture rooms, 3 faculty-student research areas, a biology museum-seminar room, a bioassay laboratory, an electron microscope laboratory and the South Shore Herbarium. The laboratories are well equipped to help students apply the theoretical principles of their courses. Equipment includes not only light microscopes but also automated nutrient analyzers, microscopes, a microplate reader, electrophoretic equipment, spectrophotometers and tissue culture facilities. In addition, there is close cooperation between the biology and chemistry departments, so that other equipment may be shared.

Located on the three acres next to the building are a 20 x 80 foot greenhouse and the biology garden including a pond for aquatic plants. The greenhouse and gardens support laboratory and field work and are planted with specimens of horticultural interest.

The location of the campus is a major advantage for conducting field work and ecological studies. Within an hour’s drive of the campus are such diverse habitats as bays, salt-marshes, sandy beaches, rocky shores, estuaries, bogs, freshwater ponds, streams and rivers (clean and polluted), white cedar swamps, marshes, pine groves and hemlock groves.

The department maintains and operates the Watershed Access Laboratory and BSC City Lab located in the John Joseph Moakley Center for Technological Applications. These laboratories are designed for use in teacher professional development in environmental education and biotechnology and for interdisciplinary studies by faculty and students.

**UNDERGRADUATE PROGRAMS**

The two versions of the biology major are the Bachelor of Science in Biology (BS) and the Bachelor of Arts in Biology (BA). Each student majoring in biology will be assigned a departmental academic adviser from among the faculty of the department, and should consult with the adviser in regard to both the BS versus BA decision, and selection of courses. It is also important to frequently meet with the adviser to verify progress toward completion of graduation requirements.

**BACHELOR OF SCIENCE IN BIOLOGY (BS)**

The department offers a BS degree program with three concentrations: environmental biology, biomedical/molecular...
biology and general biology. Within the biomedical/molecular concentration, a student focuses on either the biomedical area or the molecular area. Within the general concentration, a student focuses on the standard program or the high school/middle school teacher preparation program. All BS students are required to take a core of courses consisting of General Biology I and II, Cell Biology, Ecology, Genetics and Microbiology. In consultation with the departmental adviser, each student selects additional courses that satisfy the requirements of his or her particular concentration. The Bachelor of Science is designed to prepare the student for employment as a biologist in a laboratory or field setting, or for advanced training at a graduate or professional institution.

The Environmental Biology concentration presents coursework in such areas as wetlands biology, biomonitoring, freshwater ecology and marine mammal biology. This program encourages students to choose their biology electives to develop a diversified background of skills as well as recommended electives in other departments to complement their environmental interest and open future opportunities for internships and careers. Cooperative programs with community environmental monitoring organizations such as the Taunton River Watershed Alliance allow students to gain practical experience while investigating actual environmental problems.

The Biomedical/Molecular Biology concentration offers coursework in such fields as histology, immunology, virology, embryology, biochemistry, molecular biology and electron microscopy. The two areas within this concentration are distinguished by their physiology courses: the biomedical area includes courses in Human Anatomy and Physiology, while the molecular area offers the option of Animal Physiology or Plant Physiology. The biomedical area prepares students for health-related pursuits such as laboratory or clinical work, or health-professional schools. The molecular area is designed for students who plan on graduate study in cellular or molecular biology, and for those who seek a career in molecular biology or biotechnology laboratory work or research. Biomedical/Molecular Internship Opportunities are available in local hospitals and research laboratories as well as national agencies.

The General Biology concentration is a broad program of biological study without defined specialization. The standard program provides a wide-ranging background together with courses that are tailored to the student’s individual interests. The high school/middle school teacher preparation program is designed to provide the breadth of knowledge required for earning Massachusetts teacher licensure and helping middle and high school pupils meet Massachusetts educational standards.

### Bachelor of Science in Biology

(All BS students must take the core and cognate courses.)

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 121-122 General Biology I-II</td>
<td>8</td>
</tr>
<tr>
<td>BIOL 200 Cell Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 225 Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 321 Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 428 Microbiology (Writing Intensive in the Major Core Curriculum Requirement-CWRM)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Cognate Courses:**

- CHEM 141-142 Chemical Principles I-II ................. 8
- CHEM 343-344 Organic Chemistry I-II .................... 8
- MATH 141 Elements of Calculus I ......................... 3
- MATH 151 Calculus I* ...................................... 3
- MATH 142 Elements of Calculus II* ....................... 3
- MATH 152 Calculus II* ...................................... 3
- BIOL 297 Biometry ........................................ 4
- PHYS 181 Elements of Physics I ............................ 4
- PHYS 243 General Physics I* ............................... 4
- PHYS 244 General Physics II* .............................. 4

*Pre-medical, pre-veterinary and pre-dental students: PHYS 243-244 is required. MATH 151 is preferred. A second semester of calculus should be taken. Total minimum credits in the Biology core and cognate courses: 54

Note: A student may not apply both BIOL 373 and BIOL 251-252 toward the BS degree in Biology. BIOL 280 may not be applied toward the BS degree in Biology.

### Environmental Biology Concentration

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology core and cognate courses................</td>
<td>54</td>
</tr>
</tbody>
</table>

in addition to the following:

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 297 Biometry</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 341 Plant Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select three environmental biology concentration elective courses (consult "A" below). BIOL 396 Research Problems in Biology; BIOL 497 Undergraduate Biological Research or BIOL 485 Honors Thesis; BIOL 498 Internship in Biology; BIOL 499 Directed Study in Biology; or BIOL 490 Special Topics in Biology.
SCHOOL OF ARTS AND SCIENCES

Biological Sciences

(for a total of 3 credits only) can be used for only ONE biology elective or concentration elective. .......................... 9-12

One environmental concentration elective course in another discipline is recommended (consult "B" below.)

Environmental Biology Concentration Internship/Research
Biology majors in the environmental biology concentration should strive to qualify for a 3 credit internship or research experience (BIOL 396 Research Problems in Biology, BIOL 498 Internship in Biology, or BIOL 497 Undergraduate Biological Research) as part of their concentration electives. Some examples are volunteer experience through the Student/Conservation Association, paid internships with regulatory agencies such as the Massachusetts Department of Environmental Protection or the National Park Services, or research with professional investigators at Bridgewater State College. (An expanded list of internship opportunities may be accessed at the biology department Web site. Also consult the biology internship section which follows.)

A. Environmental Biology Concentration Electives
(three courses from the following list):
BIOL 243 Systematic Botany
BIOL 284 Invertebrate Zoology
BIOL 325 Ichthyology
BIOL 326 Marine Biology
BIOL 327 Wetlands Biology
BIOL 328 Stream Ecology
BIOL 372 Animal Behavior
BIOL 373 Animal Physiology
BIOL 396 Research Problems in Biology (3 credit limit)
BIOL 408 The Biology of Marine Mammals
BIOL 420 Limnology
BIOL 422 Biological Evolution
BIOL 423 Biological Invasions
BIOL 425 Population Ecology
BIOL 485 Honors Thesis
BIOL 490 Special Topics in Biology (at least 3 credits)
BIOL 497 Undergraduate Biological Research
BIOL 498 Internship in Biology (3 credit limit)
BIOL 499 Directed Study in Biology (3 credits)

B. Environmental Biology Concentration Electives
(one course recommended from the following list):
CHEM 290 Environmental Chemistry
COMP 105 Computer and Their Applications: An Introduction
FASC 210 Oceanography
EASC 240 Hydrology
GEOG 213 Geographic Information Systems (GIS) I
INTD 350 Soil Identification and Interpretation for Land Use

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

BIOMEDICAL/MOLECULAR BIOLOGY CONCENTRATION

Biomedical/Molecular Concentration: Biomedical Area

Biology core/and cognate courses ........................................... 54

in addition to the following:

BIOL 251-252 Human Anatomy and Physiology I-II .................. 8

Two Biomedical/Molecular Concentration Electives
(consult "A" below) ............................................................ 6

Select one additional biology elective of any type at or above the 300 level (3 or 4 credits) (see the "Course Descriptions" section in this catalog for all additional 300-400 level courses). ................................................................. 3

BIOL 396 Research Problems in Biology; BIOL 497 Undergraduate Biological Research or BIOL 485 Honors Thesis; BIOL 498 Internship in Biology; BIOL 499 Directed Study in Biology; or BIOL 490 Special Topics in Biology (for a total of 3 credits only) can be used for only ONE biology elective or concentration elective.

Total minimum credits: 71

Biomedical/Molecular Biology Concentration: Molecular Area

Biology core/and cognate courses ........................................... 54

in addition to the following:

BIOL 341 Plant Physiology .................................................. 4

or

BIOL 373 Animal Physiology

Select three biomedical/molecular concentration electives (consult "A" below). BIOL 396 Research Problems in Biology; BIOL 497 Undergraduate Biological Research or BIOL 485 Honors Thesis; BIOL 498 Internship in Biology; BIOL 499 Directed Study in Biology; or BIOL 490 Special Topics in Biology (for a total of 3 credits only) can be used for only ONE biology elective or concentration elective. .......... 9
Select one additional biology elective of any type at or above the 300 level (3 or 4 credits) (see the "Course Descriptions" section in this catalog for all additional 300-400 level courses).................. 3

A. Biomedical/Molecular Biology Concentration

Electives:

BIOL 284 Invertebrate Zoology
BIOL 320 Biochemistry
BIOL 350 Molecular Biology
BIOL 371 Histology
BIOL 375 Immunology
BIOL 376 General Endocrinology
BIOL 396 Research Problems in Biology (3 credit limit)
BIOL 382 Comparative Chordate Anatomy
BIOL 430 Embryology
BIOL 434 Biological Electron Microscopy
BIOL 436 Mammalian Reproductive Physiology
BIOL 450 Virology
BIOL 472 Human Genetics
BIOL 475 Parasitology
BIOL 482 Neurobiology
BIOL 485 Honors Thesis
BIOL 490 Special Topics in Biology (at least 3 credits)
BIOL 497 Undergraduate Biological Research
BIOL 498 Internship in Biology (3 credit limit)
BIOL 499 Directed Study in Biology (3 credit limit)

Total minimum credits: 70

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Biomedical/Molecular Biology Concentration Internship/Research

Biology majors in the biomedical/molecular concentration should strive to qualify for 3 credits of internship or research experience (BIOL 498 Internship in Biology or BIOL 396 Research Problems in Biology; BIOL 497 Undergraduate Biological Research) as part of their concentration electives. Some examples are volunteer or paid experiences in a nearby laboratory or clinic internships with agencies such as The National Institutes of Health, Jackson Laboratory or The Washington Center; or research with professional investigators at Bridgewater State College. (An expanded list of internship opportunities may be accessed at the biology department Web site. Also consult the biology internship section which follows.)

GENERAL BIOLOGY CONCENTRATION

General Biology Concentration:

Standard Program

Biology core and cognate courses in addition to the following:............. 54

BIOL 341 Plant Physiology........................................ 4
BIOL 373 Animal Physiology................................... 4

Three courses at or above the 300 level for a total of at least nine credits. (See the "Course Description" section in this catalog for all 200-400 level courses.) BIOL 396 Research Problems in Biology; BIOL 497 Undergraduate Biological Research or BIOL 485 Honors Thesis; BIOL 498 Internship in Biology; BIOL 499 Directed Study in Biology; or BIOL 490 Special Topics in Biology (for a total of 3 credits only) can be used for only ONE biology elective or concentration elective............. 9-12

Total minimum credits: 71

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

General Biology Concentration:

High School/Middle School Teacher Preparation Program

Students preparing to teach in high school or middle school must complete this BS degree in biology and minor either in secondary education-high school (grades 8-12) or secondary education-middle school (grades 5-8). Successful completion of either of these programs will lead to Massachusetts Initial Teacher Licensure. Please refer to the catalog entry for the "Department of Secondary Education and Professional Programs" for specific teacher licensure and program requirements.

Credits

Biology core and cognate courses................................. 54

in addition to the following:

BIOL 251-252 Human Anatomy and Physiology I-II........... 8
BIOL 341 Plant Physiology....................................... 4
BIOL 422 Biological Evolution................................ 3
BIOL 382 Comparative Chordate Anatomy.................... 3
or
BIOL 284 Invertebrate Zoology
EASC 100 Physical Geology..................................... 4

Note: See Catalog Web Addenda at www.bridgey.edu/catalog/addenda as that information supersedes the published version of this catalog.
The following course is recommended:
BIOL 490 Special Topics in Biology: Bioethics
or
PHIL 215 Environmental Ethics
or
PHIL 216 Values and Technology

Biological Sciences

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Bachelor of Arts in Biology (BA)
The BA degree is designed for the biology major who wishes to use biological knowledge in pursuit of a career outside of biology. Examples of such careers are elementary education, science writing, scientific illustration, technical sales, or work for a publishing company. By carefully selecting biology courses and adding particular courses in chemistry, physics and mathematics beyond the BA requirements, a BA degree holder may qualify for many of the career opportunities listed under the BS.

The BA degree requires a minimum of 12 courses with the following specifications:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 121-122 General Biology I-II</td>
<td>8</td>
</tr>
<tr>
<td>Two biology courses at the 200 level</td>
<td>6</td>
</tr>
<tr>
<td>Two biology courses at the 300 level</td>
<td>6</td>
</tr>
<tr>
<td>Two biology courses at the 400 level</td>
<td>6</td>
</tr>
<tr>
<td>Two additional biology courses at or above the 200 level</td>
<td>6</td>
</tr>
</tbody>
</table>

Cognate Courses:
CHEM 131-132 Survey of Chemistry I-II.......................... 7

Note: A student may not apply both BIOL 280 and BIOL 251-252 toward the BA degree in Biology.

Total minimum credits: 39

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Double Major with Elementary and Early Childhood Education or Special Education
Students may choose a double major in biology and elementary and early childhood education or special education. Appropriate advising materials are available in the biology department office and the Elementary and Early Childhood Education Office.

Biology Minor
A minimum of 18 credits in Biology, including:
BIOL 121 General Biology I........................................... 4
At least 14 additional credits in biology at or above the 200 level planned in consultation with the chairperson of biological sciences............................................. 14

Note: BIOL 122 General Biology II may be substituted for one of the courses at or above the 200 level.

Total minimum credits: 18

Biotechnology Minor
A minimum of 20 credits in biology, including:
BIOL 121 General Biology I........................................... 4
BIOL 200 Cell Biology.................................................. 4
BIOL 321 Genetics.................................................... 4
BIOL 428 Microbiology.............................................. 4
At least 4 additional credits in biology from the biomedical/molecular biology concentration electives planned in consultation with the chairperson of biological sciences............................................. 4

Total minimum credits: 20

Environmental Biology Minor
A minimum of 19 credits in biology, including:
BIOL 121 General Biology I........................................... 4
BIOL 122 General Biology II........................................ 4
BIOL 225 Ecology.................................................... 4
At least 7 additional credits in biology from the environmental concentration electives planned with the chairperson of biological science ............................................. 7

Total minimum credits: 19
HONORS PROGRAM
The Departmental Honors Program in Biology provides an opportunity for highly-qualified biology majors to study biology and to conduct independent research in biology for honors credit. Interested students should contact the Department of Biological Sciences by their sophomore year for further information concerning eligibility and application.

UNDERGRADUATE RESEARCH
The Department of Biological Sciences provides the opportunity for students to participate in a true research experience, which is increasingly an advantageous component of undergraduate training.

Each semester, BIOL 396 Research Problems in Biology and BIOL 497 Undergraduate Biological Research are offered by faculty members who direct and supervise either individuals or a small team of undergraduates in a research project. Students are intimately involved with experimental design as well as data collection, analysis and interpretation. The course culminates with a student presentation of the semester’s work in a departmental seminar. These courses are often followed by a presentation at a professional scientific meeting. Research topics vary from semester to semester as different faculty members direct the research course; equally valuable training and experience in scientific methodology is obtained with all topics. The Department of Biological Sciences highly recommends this experience which adds a profitable dimension that is not provided by ordinary course work.

BIOLOGY INTERNSHIP
Biology students interested in developing a field or laboratory experience through BIOL 498 Internship in Biology must meet the following criteria to be considered:
1. Prior completion of at least 54 credits and at least two semesters of biology at Bridgewater State College.
2. Minimum 2.5 cumulative GPA overall, and 2.7 GPA in biology.
3. Prior agreement of a faculty member to act as faculty supervisor and oversee the specific internship.
4. Submission of a completed internship application form to the department chairperson by the middle of the semester preceding the internship.

A list of internship opportunities may be accessed at the biology department Web site.

GRADUATE PROGRAMS

MASTER OF ARTS IN TEACHING BIOLOGY
The Master of Arts in Teaching degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. The MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations. This degree program will also appeal to secondary school teachers who already hold a standard level of professional license and want to acquire additional knowledge and a master’s degree in the discipline.

Students should consult the School of Graduate Studies section of the catalog for information regarding graduate program procedures.

Admission Requirements
1. A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years.
2. A composite score of 900 on the quantitative and verbal parts of the GRE General Test.
3. An initial teaching license.
4. Three appropriate letters of recommendation.
5. Official transcripts of all undergraduate and graduate course work.

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under “Graduate Advisers and Graduate Program Planning” in the "School of Graduate Studies" section of this catalog.

Program Requirements

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

Education Core Courses

| EDMC 530 The Teacher as Researcher                      | 3       |
| EDMC 531 The Standards-Based Classroom: Curriculum      | 3       |
| EDMC 532 The Teacher as Leader: From Issues to Advocacy | 3       |
| EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners | 3 |
| EDMC 538 The Professional Teacher (final program course) | 3       |

MAT students are expected to have, or acquire in addition to degree requirements, an appropriate background of college level courses, to be determined by the department.
18 credit hours of biology – graduate-level course work from among the following is required:
(The student may take the same numbered course more than once if the subject matter is different.) ........................................... 18

BIOE 511 Advanced Biological Topics and Techniques
BIOE 512 Advances in Biological Science
BIOE 513 Advances in Cell/Molecular Biology
BIOE 514 Advances in Biomedical/Physiological Biology
BIOE 515 Advances in Ecological/Environmental Biology
BIOL 503 Directed Study (or other approved course)

BIOE 511 - BIOE 515 will focus on outcomes. Teachers will be expected to develop a knowledge base appropriate to the subject matter and to develop the skills and techniques needed for laboratory or fieldwork in the field study.

Students may not take BIOE 500 level graduate courses that cover subject matter that the student has previously taken either at the graduate or undergraduate level.

Successful completion of a biology department comprehensive examination is also required.

Total minimum credits: 34

MASTER OF ARTS IN TEACHING GENERAL SCIENCE
This program is inactive.
Chemical Sciences

Faculty

Chairperson and Graduate Program
Coordinator: Associate Professor Edward Brush

Professor: Frank Gorga

Associate Professors: Steven Haefner, Cielito King

Assistant Professors: Chifuru Noda, Stephen Waratuke

Department Telephone Number: 508.531.1233
Location: Conant Science Building, Room 318
Web site: www.bridgew.edu/Chem

Degree Programs

- BA in Chemistry
- BS in Chemistry
  Concentrations: Biochemistry, Environmental Chemistry, Professional Chemistry
- BS in Chemistry-Geology (offered jointly with the Department of Earth Sciences)
- MAT - Physical Science

Undergraduate Minors

- Biochemistry
- Chemistry

The Department of Chemical Sciences offers programs leading to the degrees of Bachelor of Arts or Bachelor of Science in Chemistry. These programs are designed to provide the skills and knowledge necessary to prepare students for successful careers in the chemical, pharmaceutical or biotech industries, for chemical research, teaching, oceanography and environmental science or for further study in graduate degree programs and professional schools.

The department is housed in the Conant Science building and maintains a suite of modern scientific instrumentation that is used for both teaching and research purposes. This includes electrochemical equipment, a nuclear magnetic resonance (NMR) spectrometer, an atomic absorption spectrometer (AA), several infrared (IR) spectrometers, an ultraviolet-visible spectrophotometer (UV/Vis), and a luminescence spectrometer. Other equipment includes a gas chromatograph (GC), a gas chromatograph/mass spectrometer and a high pressure liquid chromatograph.

Students, staff and faculty maintain an atmosphere of informal interaction, both inside and outside the classroom and laboratory. Many students participate in Chemistry Club activities, which include seminars by area scientists, visits to academic and industrial laboratories, and special social events. Students are encouraged to participate in research and together with faculty often attend American Chemical Society (ACS) and other professional meetings throughout the country to present their research results.

Undergraduate Programs

Bachelor of Arts/Bachelor of Science

The chemistry major, with a concentration in biochemistry, environmental chemistry, or professional chemistry, leads to the BS degree. These programs are designed for students who plan a career as a professional chemist or biochemist either immediately after graduation or after graduate work in a chemically related discipline. Satisfactory performance (a 3.0 average or better) in any of these programs gives students the preparation required to obtain an assistantship or fellowship in graduate school. The biochemistry and the professional chemistry programs are both certified by the American Chemical Society.

The chemistry major (without a concentration) leads to the BA degree. This program is designed for students who wish to prepare for fields such as medicine, dentistry, secondary school teaching, chemical or pharmaceutical sales, pharmacy, environmental sciences or veterinary medicine. A minimum number of chemistry courses are required so that a program of other courses suited to the individual's interests may be developed in consultation with the student's adviser.

Additionally, the department offers a chemistry-geology major jointly with the Department of Earth Sciences. It also participates in preprofessional advising for students interested in medicine and dentistry or oceanography. Additional information may be found in the "Interdisciplinary and Preprofessional Programs" section of this catalog.

Students interested in any of the programs offered by the department should enroll in CHEM 141 Chemical Principles I and calculus (MATH 151 or MATH 141) in the fall semester of their first year. Additionally, students interested in biochemistry should also enroll in BIOL 121. In the spring semester of the first year, students will normally take CHEM 100 Computers in Chemistry in addition to continuing with CHEM 142 Chemical Principles II and the second semester of calculus. Students need not decide among the various programs within the department until the spring of their second year. Because of the sequential nature of many courses required in our programs we urge new students to consult with a chemistry faculty member in addition to the regular freshman advisers during the first year registration process.

School of Arts and Sciences

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
### Chemistry Major (leading to a BA degree)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 100 Computers in Chemistry (COMP 100 is an acceptable substitute)</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 141-142 Chemical Principles I-III</td>
<td>8</td>
</tr>
<tr>
<td>CHEM 242 Intermediate Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 343-344 Organic Chemistry I-II</td>
<td>8</td>
</tr>
<tr>
<td>CHEM 381-382 Physical Chemistry I-II</td>
<td>8</td>
</tr>
<tr>
<td>CHEM 461 General Biochemistry I</td>
<td></td>
</tr>
<tr>
<td>MATH 151-152 Calculus I-II (MATH 141-142 are acceptable substitutes with the permission of the adviser*)</td>
<td>6</td>
</tr>
<tr>
<td>PHYS 243-244 General Physics I-II (PHYS 181-182 are acceptable substitutes with permission of adviser*)</td>
<td>8</td>
</tr>
</tbody>
</table>

* Note: MATH 141-142 and PHYS 181-182 are not acceptable as substitutes in the professional chemistry program.

**Total minimum credits: 47**

### Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

### Chemistry Major with a Concentration in Environmental Chemistry (leading to a BS degree)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of the courses listed for the chemistry major</td>
<td></td>
</tr>
<tr>
<td>plus the following additional courses:</td>
<td></td>
</tr>
<tr>
<td>CHEM 290 Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 450 Instrumental Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 490 Special Topics in Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 121 General Biology I</td>
<td>4</td>
</tr>
<tr>
<td>EASC 100 Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 122 General Biology II</td>
<td>4</td>
</tr>
<tr>
<td>or EASC 101 Historical Geology</td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 225 Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOL 420 Limnology</td>
<td></td>
</tr>
<tr>
<td>EASC 240 Hydrology</td>
<td></td>
</tr>
<tr>
<td>EASC 250 Geomorphology</td>
<td></td>
</tr>
<tr>
<td>EASC 350 Structural Geology</td>
<td></td>
</tr>
<tr>
<td>EASC 450 Geochemistry</td>
<td></td>
</tr>
</tbody>
</table>

**Total minimum credits: 72**

### Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

### Chemistry Major with a Concentration in Professional Chemistry (leading to a BS degree; approved by the American Chemical Society)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>All of the courses required for the chemistry major*</td>
<td>47</td>
</tr>
<tr>
<td>plus the following additional courses:</td>
<td></td>
</tr>
<tr>
<td>CHEM 241 Quantitative Chemical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 444 Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 450 Instrumental Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 492 Laboratory Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MATH 251 Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

One additional mathematics course selected from the following: 3

**Total minimum credits: 65**

### Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

* Note: MATH 141-142 and PHYS 181-182 are not acceptable as substitutes in the professional chemistry program.
Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

CHEMISTRY-GEOLGY MAJOR (LEADING TO A BS IN CHEMISTRY-GEOLGY)
A major in chemistry-geology is offered jointly with the Department of Earth Sciences. (See the catalog section entitled "Interdisciplinary and Preprofessional Programs" for detailed information.)

DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION
Students may choose a double major in chemistry or chemistry-geology and elementary education, early childhood education or special education for licensure purposes. Please contact the Department of Chemical Sciences and the appropriate education department for further information.

MINOR IN SECONDARY (HIGH SCHOOL, MIDDLE SCHOOL OR PREK-12 SPECIALIST) EDUCATION
Students may major in Chemistry and minor in secondary (high school, grades 8-12; middle school (grades 5-8 or PreK-12 specialist) education. Successful completion of these programs will lead to Massachusetts Initial Teacher Licensure. Please refer to the "Department of Secondary Education and Professional Programs" for specific teacher licensure and program requirements.

CHEMISTRY MINOR
18 credits in chemistry.
CHEM 141-142 Chemical Principles I and II .................. 8
CHEM 343-344 Organic Chemistry I and II .................. 8
CHEM 100 Computers in Chemistry .................. 2
or one other chemistry course at the 200 level or higher
Total minimum credits: 18

BIOCHEMISTRY MINOR
CHEM 141-142 Chemical Principles I and II .................. 8
CHEM 343-344 Organic Chemistry I and II .................. 8
CHEM 461-462 General Biochemistry I and II .................. 7
Total minimum credits: 23

HONORS PROGRAM
The honors program in chemistry provides highly motivated chemistry majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in chemistry. Contact the Department of Chemical Sciences for further information concerning eligibility and application.

UNDERGRADUATE PROGRAMS

MASTER OF ARTS IN TEACHING CHEMISTRY
This program is inactive.

GENERAL SCIENCE
This program is inactive.

PHYSICAL SCIENCE
The MAT in Physical Science degree was developed for high school and middle school subject area teachers who have an initial license in chemistry, earth science or physics and are seeking a professional license in the Commonwealth of Massachusetts. This MAT program is defined to meet the "appropriate master's degree" requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent Massachusetts Department of Education licensure regulations.

Students should consult the School of Graduate Studies section of this catalog for information regarding program policy and procedures.

For current information concerning program requirements, consult the Physics section of this catalog.

SCHOOL OF ARTS AND SCIENCES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Communication Studies

Faculty

Chairperson and Graduate Program Coordinator: Associate Professor Jabbar Al-Obaidi
Professors: Joel Litvin, Thomas Mickey, Nancy Street
Associate Professors: Arthur Lizie, Jr., Susan Miskelly, Nancy Owens
Assistant Professors: Jason Edwards, Bjorn Ingvoldstad
Instructor: Nancy Van Leuven

Department Telephone Number: 508.531.1348
Location: Maxwell Library, Room 215
Web site: www.bridgew.edu/depts/comm/

Degree Program
• BA in Communication Studies

Undergraduate Minors
• Communication Studies
• Public Relations*

*Interdisciplinary minor

Undergraduate Programs

Bachelor of Arts
The department offers a BA in Communication Studies.

The Department of Communication Studies cooperates with several other departments in offering a Public Relations minor for students wishing to explore studies which draw upon knowledge and expertise in more than one field. See the catalog section "Interdisciplinary and Preprofessional Programs" and consult the department for information on the public relations minor.

Communication Studies
Students selecting this program will develop specific skills as well as a critical understanding of the general nature, scope and function of both communication studies and mass communication. They will also have the opportunity to focus on course groupings, based on advising and assessment of individual needs and direction.

Note: A grade of "C" or higher in all communication stud-
ies course work contributing to the major is required for all students admitted Fall 2005 forward.

The minimum requirements include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 220 Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 230 Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 295 Communication Studies Research</td>
<td>3</td>
</tr>
<tr>
<td>One of the following:</td>
<td>3</td>
</tr>
<tr>
<td>COMM 210 Voice and Diction</td>
<td></td>
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<tr>
<td>COMM 250 Public Speaking</td>
<td></td>
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<tr>
<td>COMM 260 Group Communication and Decision Making</td>
<td></td>
</tr>
<tr>
<td>COMM 270 Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>One of the following:</td>
<td>3</td>
</tr>
<tr>
<td>COMM 395 Communication Theory</td>
<td></td>
</tr>
<tr>
<td>COMM 396 Mass Communication Theory and Research</td>
<td></td>
</tr>
<tr>
<td>One of the following writing intensive core requirements in the major:</td>
<td>3</td>
</tr>
<tr>
<td>COMM 495 Communication Studies Seminar</td>
<td></td>
</tr>
<tr>
<td>(Writing Intensive in the Major Core Curriculum Requirement-CWRM)</td>
<td></td>
</tr>
<tr>
<td>COMM 496 Seminar in Media Studies and Communication Technologies (Writing Intensive in the Major Core Curriculum Requirement-CWRM)</td>
<td></td>
</tr>
</tbody>
</table>

Communication Studies electives: (18 hours) from among course groupings in Speech Communication/Mass Communication/Organizational Communication/Public Relations (12 of these elective credits must be 300 level or above. Only 3 credits in COMM 110 or COMM 498 and only 2 credits in COMM 150 may be applied to the major). 18

Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Communication Studies Minor Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 220 Introduction to Mass Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 230 Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>Plus 12 additional credits selected from communication (COMM) courses, of which six must be at the 300 level or higher</td>
<td>12</td>
</tr>
</tbody>
</table>

Total minimum credits: 18
Communication Studies

INTERDISCIPLINARY MINOR IN PUBLIC RELATIONS
This public relations minor is offered as a cooperative effort of the Department of Communication Studies, Management and English. It provides an opportunity for students to acquire knowledge and skills germane to public relations practice. Students take courses in management, advertising, public relations, marketing and business writing or elect presentation skills courses, for a total of 21 credit hours.

Required Courses: CREDITS
COMM 301 Introduction to Public Relations ...................................... 3
COMM 391 Public Relations Practicum ........................................... 3
MGMT 130 Principles of Management ............................................ 3
MGMT 200 Marketing Principles .................................................. 3
MGMT 424 Advertising ............................................................... 3

Elective Courses:
Choose one: .................................................................................. 3
COMM 212 Announcing
COMM 250 Public Speaking
COMM 330 Business and Professional Communication

Choose one: .................................................................................. 3
ECON 101 Principles of Microeconomics
ENGL 202 Business Communication

Interested students should contact the department chairperson of the Department of Communication Studies, the Department of Management or the Department of English.
Total minimum credits: 21

DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION
Students may choose a double major, one in communication arts and sciences with a concentration in communication studies and another in elementary education, early childhood education or special education for licensure purposes.

HONORS PROGRAM
The honors program in communication arts and science provides highly motivated communication studies majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in communication studies. Contact the Department of Communication Studies for further information concerning eligibility and application.

ACTIVITIES
Several student clubs are actively engaged in co-curricular activities supportive of the academic programs in the department.

The Forensic Society participates in intercollegiate competition in debate, group discussion and individual speech competition in over 15 separate categories including persuasive, informative, humorous speaking and oral interpretation of literature. Membership is open to all students with or without previous experience.

Students who have shown a commitment to debate and competitive speaking may be elected to membership in the forensic honor society, Pi Kappa Delta.

The Communication Club is open to all students for information/interchange on the professions related to the field of communication studies.

Students in communication studies may also become members of the National Communication Association honor society Lambda Pi Eta. Members are selected on the basis of scholarship and character.

Students may also receive academic credit in the department for active participation in debate or forensics — see course descriptions for more information on the following courses:

COMM 110 Forensics Practicum
COMM 150 Practicum in Communication Media
Note: A maximum of six credits in the above courses may be applied toward graduation.

GRADUATE PROGRAMS

MASTER OF ARTS IN TEACHING (SPEECH COMMUNICATION AND THEATER)
This program is inactive.

SCHOOL OF ARTS AND SCIENCES
Note: See Catalog Web Addenda at www.bridge.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Criminal Justice

Faculty

Acting Chairperson and Graduate Program
Coordinator: Assistant Professor Dion Dennis
Associate Professor: Carolyn Petrosino
Assistant Professors: Jo-Ann Della-Giustina, Aviva Glasner, Mitchell Librett, Dina Perrone, Richard Wright
Instructors: Kyung-shick Choi, Francs Williams

Department Telephone Number: 508.531.2107
Location: Hart Hall, Room 337
Web site: www.bridgew.edu/CriminalJustice

Degree Programs

- BS in Criminal Justice
- MS in Criminal Justice
  Concentrations: Administration of Justice, Crime and Corrections

Undergraduate Minor

- Criminal Justice

The Department of Criminal Justice offers a major program in criminal justice and a minor in criminal justice.

The department provides a rigorous discipline-specific curriculum aimed at developing well-rounded graduates with strong critical thinking abilities. Department programs also impart skills to students, preparing them for a wide range of career options in the field of criminal justice or closely related fields. Career options include positions in the criminal justice system, education, research, private treatment agencies and various state and federal justice agencies. The department encourages students to continue on to graduate study.

Many department faculty members engage in research and the department encourages student-faculty collaborative research. Students may also carry out internships.

Undergraduate Programs

Bachelor of Science

The Bachelor of Science in Criminal Justice provides students with a solid background in criminal justice and criminology, enabling them to develop a broad understanding of crime and the criminal justice system. The department developed the criminal justice program to meet the standards for criminal justice programs designed by the Massachusetts Board of Higher Education (BHE). The same standards are also affirmed by the Academy of Criminal Justice (ACJS). Program standards emphasize the development of skills in critical thinking, communications, conceptualizing ideas, and understanding criminal justice data. Students take courses in seven broad areas identified by the BHE as essential for criminal justice programs: 1) Administration of Justice; 2) Crime Theory; 3) Law Enforcement; 4) Criminal Law, and 5) Corrections; 6) Ethics; and 7) Research and Analytic Methods.

Requirements:

- CRU 201 Introduction to Criminal Justice ................................................. 3
- CRU 331 Police, Community and Society ............................................... 3
- CRU 335 Criminal Law and the Courts .................................................. 3
- CRU 354 Corrections ............................................................................... 3
- CRU 406 Ethics and the Criminal Justice System ................................... 3
- CRU 410 Applied Crime Theory in Criminal Justice .............................. 3
- CRU 420 Research Methods in Criminal Justice .................................... 3
- CRU 430 Analyzing Criminal Justice Data .............................................. 3

One course from the following: ................................................................. 3
- CRU 358 Race, Class, Crime, and Justice
- CRU 388 Hate Crime
- CRU 404 Media, Justice, and Crime
- CRU 425 Comparative Crime and Deviance

One course from the following: ................................................................. 3
- CRU 496 Seminar: Critical Issues in Crime and Justice
- CRU 497 Research
- CRU 498 Internship in Criminal Justice (only 3 credits will count toward the major)

Elective Requirements:

Two courses from the following: ................................................................. 6
- CRU 213 The Juvenile Justice System
- CRU/SOCI 227 Deviance and Social Control
- CRU/SOCI 255 Juvenile Delinquency
- CRU 323 Comparative Legal Systems in a Global Context
- CRU 324 Law, Justice and Society
- CRU 325 Political Theory and the Justice System
- CRU 332 History of Policing in America
- CRU 334 White Collar Crime
- CRU/SOCI 339 Violence, Guns, and Society
- CRU 346 Criminal Procedure
- CRU 347 Restorative Justice
- CRU 358 Race, Class, Crime, and Justice (if not taken in the Criminal Justice core)
- CRU 359 Technology and Crime Control
- CRU 381 Privatization in Criminal Justice
- CRU 385 Victimology
- CRU 388 Hate Crime (if not taken above)
- CRU 399 Special Topics in Criminal Justice (3 credits only)
Criminal Justice

CRJU 404 Media, Justice, and Crime
CRJU 406 Ethics and the Criminal Justice System
CRJU 425 Comparative Crime and Deviance (if not taken above)
CRJU 426 Ethnography and Crime Analysis
CRJU 485 Honors Thesis
PSYC 369 Psychology of Criminal Behavior

Cognate Courses
One course from the following: ........................................... 3
ECON 325 The Economy of Crime
HEAL 405 Drugs in Society
HIST 496 American Political History
PHIL 322 Philosophy of Law
PHIL 403 Ethics and Action
POLI 285 Law and the Judicial Process
POLI/ECON 340 Law and Economics
POLI 341 Constitutional Law and Politics: The Powers of Government
POLI 342 Constitutional Law and Politics: The First Amendment
POLI 343 Constitutional Law and Politics: Liberty and Equality
POLI 344 Constitutional Law and Politics: The Rights of the Accused
POLI 389 Racial Politics in the United States
PSYC 369 Psychology of Criminal Behavior (if not taken as a Criminal Justice elective)
PSYC 370 Abnormal Psychology
PSYC 474 Forensic Psychology
PSOC 310 Women and Crime
SOCI 313 Family Violence

Total minimum credits: 39

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Note: The Bachelor of Arts in Criminal Justice is inactive.

Criminal Justice Minor
The criminal justice minor consists of six courses (18 credits).

The objective of the minor program is to provide a substantive area of study in criminal justice for students majoring in complementary disciplines such as sociology, political science, social work, economics, anthropology or psychology. Criminal justice education includes the scientific study of crime and delinquency, law-making, punishment, and the reintegration of the offender back into the community. Students in the minor program are required to take basic courses that will provide a theoretical and applied knowledge of the discipline.

Required criminal justice core courses: ........................................... 6
CRJU 201 Introduction to Criminal Justice
CRJU 410 Applied Theory in Criminal Justice

Choose one course from the following: ........................................... 3
CRJU 331 Police, Community and Society
CRJU 335 Criminal Law and the Courts
CRJU 354 Corrections

Criminal Justice electives (choose any three courses): .................................... 9
CRJU 213 The Juvenile Justice System
CRJU/SOCI 227 Deviance and Social Control
CRJU/SOCI 255 Juvenile Delinquency
CRJU 323 Comparative Legal Systems in a Global Context
CRJU 324 Law, Justice and Society
CRJU 325 Political Theory and the Justice System
CRJU 332 History of Policing in America
CRJU/SOCI 334 White Collar Crime
CRJU/SOCI 339 Violence, Guns, and Society
CRJU 346 Criminal Procedure
CRJU 347 Restorative Justice
CRJU 358 Race, Class, Crime, and Justice
CRJU 359 Technology and Crime Control
CRJU 381 Privatization in Criminal Justice
CRJU 385 Victimology
CRJU 388 Hate Crime
CRJU 399 Special Topics in Criminal Justice
CRJU 404 Media, Justice, and Society
CRJU 425 Comparative Crime and Deviance
CRJU 426 Ethnography and Crime Analysis
CRJU 485 Honors Thesis
PSYC 369 Psychology of Criminal Behavior
SOCI 310 Women and Crime

Total minimum credits: 18

Honors Program
The honors program in criminal justice provides highly motivated criminal justice majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree. Contact the Department of Criminal Justice for further information concerning eligibility and application.

Overseas Study Opportunities
The Department of Criminal Justice urges its majors and minors to study abroad, both via Bridgewater State College sponsored study tours and as exchange students at universities. The Office of International Programs can assist students. Any student contemplating study abroad should consult the department with all pertinent documentation. Final acceptance of credit will be determined upon receipt of official transcripts and supporting material and, in some cases, may not be equivalent to the

SCHOOL OF ARTS AND SCIENCES

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credits earned in a regular semester or year at Bridgewater State College.

GRADUATE PROGRAMS

BACHELOR OF SCIENCE/MASTER OF SCIENCE - JOINT DEGREE PROGRAM

Bridgewater State College offers a joint degree program. This 151 credit program leads to both a BS and a MS degree in Criminal Justice.

Qualified criminal justice majors who have competitive GPAs and have earned 90 credits may apply to the joint degree program. Acceptance enables these students to take a combination of undergraduate and graduate courses beginning in their senior year.

Students admitted into the joint degree program must complete all of the requirements for the Bachelor of Science and the Master of Science in criminal justice programs in order to receive both degrees simultaneously.

This program is Quinn Bill approved.

MASTER OF SCIENCE IN CRIMINAL JUSTICE

The Master of Science in Criminal Justice provides students with the knowledge and skills necessary to succeed in a variety of professional positions in criminal justice or in closely related fields. Graduates from the program will also attain the academic background and proficiency necessary for admission into and completion of doctoral programs in criminal justice. Students in the program will acquire detailed knowledge of the seven broad areas of criminal justice, learn about the role of information technology in the criminal justice system, become familiar with major data sources, and learn to carry out research and data analysis in criminal justice. Students will also develop skills in critical thinking and in oral and written communications. In addition to providing a solid foundation in contemporary criminal justice, the program emphasizes diversity in criminal justice issues. Students may choose from two concentrations. The concentrations in Administration of Justice is offered in cooperation with the Master of Public Administration program. Students may also concentrate in Crime and Corrections.

Admission Requirements

1.) A minimum undergraduate GPA of 3.0 based upon four years of course work
2.) A composite score of 1000 on the quantitative and verbal parts of the GRE General Test
3.) Three appropriate letters of recommendation
4.) Official transcripts of all undergraduate and graduate course work

For more information, contact the program coordinator.

The Master of Science in Criminal Justice requires completion of 31 credit hours, including six required core courses (18 credits). Students take their remaining courses from departmental graduate courses as well as up to two approved graduate courses from outside of the department. The program includes a capstone requirement that may be satisfied with either a master’s thesis (6 credits) or a combination of a comprehensive examination and a master’s project completed in a research seminar in criminal justice (CRJU 542 or CRJU 597). The department will offer one research seminar each year.

The Master of Science in Criminal Justice Curriculum

Core Courses (required of all students): CREDITS
CRJU 500 Foundations of Scholarship ........................................... 1
CRJU 504 Seminar: Crime, Justice and Society ............................... 3
CRJU 505 Applications in Crime Theory ........................................ 3
CRJU 510 Research Methods in Criminal Justice ........................... 3
CRJU 511 Analyzing Criminal Justice Data .................................. 3
CRJU 512 Ethics and Policy in Criminal Justice ............................. 3

Additional Courses: ........................................................................ 15
CRJU 501 Structure and Process of the Criminal Justice System (strongly recommended for students who do not hold a bachelor's degree in criminal justice)
CRJU 502 Research
CRJU 503 Directed Study
CRJU/SOCI 514 Theories of Deviance
CRJU 515 Criminal Justice Administration
CRJU 517 Studies in Crime Prevention: Understanding What Works
CRJU 518 Hate Crimes and Hate Groups
CRJU 520 Violence, Crime and Society
CRJU 521 Domestic Violence
CRJU 522 Women and Criminal Justice
CRJU 525 Comparative Crime and Justice
CRJU 526 Communities, Cities and Crime
CRJU 527 Policing in a Democratic Society
CRJU 530 Introduction to Police Culture: An Intensive Review
CRJU 540 Corrections, Crime, and Society
CRJU 541 Community-based Corrections
CRJU 542 Research Seminar in Corrections (rotating topics)
CRJU 546 Class, Race, Gender and Crime
CRJU 550 Juvenile Justice and Society
CRJU 551 Law and Society
CRJU 555 Information Technology for Criminal Justice
CRJU 557 Advanced Research Methods in Criminal Justice
CRJU 597 Research Seminar in Criminal Justice (rotating topics)
CRJU 598 Internship in Criminal Justice
CRJU 599 Special Topics in Criminal Justice
Capstone Requirement
Either completion of a master's thesis (6 credits) or a combination of a comprehensive exam and a master's project completed in a research seminar in criminal justice (CRJU 542 or CRJU 597) is required. 3

Other Courses: With the approval of the graduate coordinator, students may take up to two of these courses or other approved graduate courses:
- POLI 501 Introduction to Public Institutions and Administration
- POLI 505 Public Management
- POLI 511 Program Evaluation and Policy Analysis
  Total minimum credits: 34

Optional Concentrations: Students must take at least three courses in the concentration (9 credits).

Administration of Justice
- CRJU 515 Criminal Justice Administration
- POLI 501 Introduction to Public Institutions and Administration
- POLI 505 Public Management
  Total minimum credits: 43

Crime and Corrections
- CRJU 540 Corrections, Crime and Society
- CRJU 541 Community-based Corrections
- CRJU 542 Research Seminar in Corrections
  Total minimum credits: 43

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Earth Sciences

Faculty

Chairperson: Professor Jacek Sulanowski

Graduate Program Coordinator: Professor Jeffrey Williams

Professors: Richard Enright, Peter Saccocia

Associate Professors: Robert Cicerone, Michael Krol,

Department Telephone Number: 508.531.1390
Location: Conant Science Building, Room 308A
Web site: www.bridgew.edu/EarthSciences/

Degree Programs
- BA in Earth Sciences
- BS in Earth Sciences
  Concentrations: Environmental Geosciences, Geology
- BS in Chemistry/Geology (offered jointly with the Department of Chemical Sciences)
- MAT - Physical Sciences

Undergraduate Minors
- Earth Sciences
- Geophysics*

*Interdisciplinary Minor

The Department of Earth Sciences offers several undergraduate programs in the earth and environmental sciences. Majors in the BS earth sciences program may elect a concentration in environmental geosciences or geology. The BA or BS earth science programs may also be taken as a double major with education. In addition, a program in chemistry-geology, and a preprofessional program in oceanography are available.

The Earth Sciences faculty have a wide range of expertise within the geosciences and are actively engaged in research. The department includes faculty with extensive background and experience in the realm of field work, laboratory investigations, and theoretical work, including computer modeling. This diversity supports a modern curriculum and provides numerous opportunities for students to extend their education beyond the confines of the traditional classroom.

Departmental faculty collaborate with scientists from other academic institutions to increase the number and variety of research opportunities for students. One member of the faculty is a Guest Investigator at the Woods Hole Oceanographic Institution. This appointment generates research opportunities for students in marine geochemistry, geology, and oceanography and includes sea-going expeditions. Another faculty member collaborates with the Earth Resources Laboratory in the Department of Earth, Atmospheric and Planetary Sciences at the Massachusetts Institute of Technology. The latter collaboration creates student research opportunities in geophysics, which includes projects focused on earthquake generation. The research program of a third faculty member enables additional undergraduate research opportunities in the fields of petrology and tectonics with a focus on the geology of both the Appalachian and Rocky Mountains. The department also supports research within the realm of sedimentology and palontology. This includes course-based research projects involving both field investigations and laboratory analysis of sediment transport and deposition, particularly within the coastal environment.

The department has a long history of active engagement within the cutting-edge field of remote sensing and supports these activities with both traditional courses and numerous applied research opportunities. In this regard, the department has been selected as the only one in the state college system in Massachusetts to participate in the National Aeronautics and Space Administration (NASA) sponsored Joint Venture (JOVE) program. This distinction led to collaborations with the Jet Propulsion Laboratory on remote sensing projects in Mexico, Alabama, and Southeastern Massachusetts and the Goddard Space Flight Center on bolide impacts. Similar research projects, performed by both faculty and undergraduate students, are on-going today.

The department is committed to providing undergraduate students the opportunity to perform research with a faculty mentor. Each year, earth science students are involved in research and present their work at professional conferences organized by both regional and national geologic organizations. These opportunities help to propel our students into rewarding careers and excellent graduate programs.

Modern equipment supports the department’s curriculum, including laboratory courses and undergraduate research projects. This equipment includes: (1) an X-ray Diffractometer with powder cameras, (2) thin sectioning equipment; (3) new polarizing and stereoscopic microscopes; (4) a research grade Olympus polarizing microscope complete with a digital camera and image analysis software; (5) a proton precession magnetometer; (6) a seismic refraction unit; (7) an AS-1 earthquake seismometer; (8) a Frantz Isodynamic Separator; (9) a 14-foot coastal research vessel; (10) a portable gamma-ray spectrometer; (11) a portable visible-near infrared spectroradiometer (12) a Sunparc 20 UNIX work station; (13) a SunBlade 150 UNIX workstation; (14) GPS surveying equipment and (15) groundwater and stream water sampling/monitoring equipment.

Finally, our close relations with the Department of Chemical Sciences have facilitated access to more specialized instrumentation used to investigate geochemical problems. This includes an atomic absorption spectrometer, an ultraviolet-visible spectrophotometer and a gas chromatograph/mass spectrometer.

In addition to course related laboratory spaces, the department has several smaller specialized laboratories to support research activities. These include a well-equipped remote sensing laboratory, a...
Earth Sciences

geochemistry and petrology laboratory, a fine particle sedimentology laboratory, and extensive facilities for the preparation of rock samples for numerous analyses.

Earth sciences faculty are using Bridgewater State College's sophisticated computer facilities for classroom instruction, including demonstrating and displaying Web-based and self-authored material and models. In a growing number of courses, students may submit assignments online, and in some courses, a majority of class time is spent in "virtual classrooms." To learn more, visit the department Web site at www.bridgew.edu/depts/EarthSciences/.

The department boasts an active Earth Sciences and Geography Club that sponsors both local (Museum of Comparative Zoology at Harvard University), regional (New Hampshire's White Mountains), national (Hawaii), and international (Canada, Iceland, Mexico) field trips. Students may also qualify for Sigma Gamma Epsilon, the national earth science honor society.

UNDERGRADUATE PROGRAMS

Earth Sciences Major

The major in Earth Sciences is a solid broad-based program that provides the student with an understanding and appreciation of the physical aspects of the earth and earth processes. Career opportunities for graduates exist in federal, state and local government service, industry, and environmental studies both with regulatory agencies and consulting firms. Teaching in the elementary, middle and secondary schools is another option. Many of our earth science majors have been awarded full fellowships at leading graduate schools. In addition, the faculty have an extensive program of undergraduate research, and many students have presented the results of their undergraduate research at various national meetings. Some of this research has been funded, and students are encouraged to contact the faculty if interested. Internships are also available for those students desiring to prepare themselves for employment upon graduation. Interested students are encouraged to contact the earth science/geology faculty — Drs. Cicerone, Enright, Krol, Saccocia and Sulanowski — for more information about earth science/geology programs.

Earth Sciences Major — Bachelor of Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EASC 100 Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 101 Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 210 Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>EASC 215 Solar System Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>EASC 280 Vertebrate Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>EASC 320 Geology of New England</td>
<td>3</td>
</tr>
<tr>
<td>EASC 400 Earth Systems Science I</td>
<td>3</td>
</tr>
</tbody>
</table>

Earth Science Elective Requirement:

One earth science elective course at the 200, 300, or 400 level ........................................... 3

Cognate Requirements:

MATH 100 Precalculus Mathematics (or equivalent passing score on the mathematics placement test) .......... 3
CHEM 102 Chemistry in Everyday Life .......... 3
or
CHEM 131 Survey of Chemistry I
Any one biology or physics course .......................... 3

Not more than one grade of "D" in the major, taught in the department, shall be accepted to fulfill the requirements for this program.

Total minimum credits: 41

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Earth Sciences Major — Bachelor of Science

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASC 100 Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 101 Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 210 Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>EASC 215 Solar System Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>EASC 240 Hydrology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 250 Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 280 Vertebrate Paleontology</td>
<td>3</td>
</tr>
<tr>
<td>EASC 320 Geology of New England</td>
<td>3</td>
</tr>
<tr>
<td>EASC 400 Earth Systems Science I</td>
<td>3</td>
</tr>
<tr>
<td>EASC 410 Earth Systems Science II</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 221 Meteorology</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional earth science course required:

One earth science elective course at the 200, 300, or 400 level ........................................... 3

Cognate Requirements:

CHEM 141-142 Chemical Principles I and II ......... 8
PHYS 181-182 Elements of Physics I and II .......... 8
or
PHYS 243-244 General Physics I and II
MATH 141-142 Elements of Calculus I and II ........ 6
or
MATH 151-152 Calculus I and II

SCHOOL OF ARTS AND SCIENCES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Earth Sciences

Not more than one grade of “D” for a course in the major, taught in the department, shall be accepted to fulfill the requirements for this program.

Total minimum credits: 62

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the “Undergraduate Academic Programs” section of this catalog. For additional graduation requirements, see the “Undergraduate Academic Policies” section of this catalog.

ENVIRONMENTAL GEOSCIENCES CONCENTRATION
This concentration is designed to provide students with a fundamental understanding of earth processes as well as the specific tools which they will employ as environmental geoscience professionals. Career opportunities for graduates exist in federal, state and local government service, industry and environmental studies both with regulatory agencies and consulting firms. The selection of appropriate elective courses within the major as well as in the cognate disciplines of biology and chemistry will prepare the student for environmental work related to the detection and monitoring of pollutants as well as for remediation of affected areas.

CREDITS
EASC 100 Physical Geology ........................................ 4
EASC 101 Historical Geology .................................... 4
EASC 240 Hydrology .................................................. 4
EASC 250 Geomorphology ....................................... 4
EASC 260 Mineralogy .................................................. 4
EASC 350 Structural Geology ..................................... 4
EASC 370 Sedimentology and Stratigraphy .............. 4
EASC 496 Seminar in Geology .................................. 1

Plus a minimum of four other earth science courses selected with the written concurrence of the adviser. Other courses may be added or approved as substitutes with approval of the adviser. .................................................. 12

Minimum cognate requirements include:
MATH 141-142 Elements of Calculus I-II ..................... 6
or
MATH 151-152 Calculus I-II
CHEM 131-132 Survey of Chemistry I-II .................... 7
or
CHEM 141-142 Chemical Principles I-II
PHYS 181-182 Elements of Physics I-II ....................... 8
or
PHYS 243-244 General Physics I-II
or
Two approved biology courses .................................. 6
Students are also encouraged to take the following courses:

BIOL 117 The Biological Environment
BIOL 225 Ecology
BIOL 327 Wetlands Biology
CHEM 343-344 Organic Chemistry I-II
ENGL 201 Technical Writing I

Total minimum credits: 68

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the “Undergraduate Academic Programs” section of this catalog. For additional graduation requirements, see the “Undergraduate Academic Policies” section of this catalog.

GEOLGY CONCENTRATION
The most comprehensive of all of the earth science programs within the Commonwealth, this concentration provides students with an understanding of the physical and chemical aspects of the earth and its internal as well as surface processes. Career opportunities for graduates exist in federal, state and local government service, industry and environmental studies both with regulatory agencies and consulting firms. With the selection of appropriate electives, students will be prepared for government service, for environmental work related to the detection and monitoring of pollutants as well as for remediation of affected areas, and for careers in such fields as environmental geology, mining or petroleum geology and hydrology. This concentration gives students a solid background in geology and the cognate sciences required to successfully pursue graduate work at leading universities.

EARTH SCIENCE MAJOR WITH GEOLOGY CONCENTRATION – BACHELOR OF SCIENCE
Earth Sciences Core Courses Required ............................................

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASC 100 Physical Geology ........................................ 4</td>
<td></td>
</tr>
<tr>
<td>EASC 101 Historical Geology .................................... 4</td>
<td></td>
</tr>
<tr>
<td>EASC 250 Geomorphology ....................................... 4</td>
<td></td>
</tr>
<tr>
<td>EASC 260 Mineralogy .................................................. 4</td>
<td></td>
</tr>
<tr>
<td>EASC 350 Structural Geology ..................................... 4</td>
<td></td>
</tr>
<tr>
<td>EASC 370 Sedimentology and Stratigraphy .............. 4</td>
<td></td>
</tr>
<tr>
<td>EASC 470 Paleontology .......................................... 4</td>
<td></td>
</tr>
</tbody>
</table>

Other Earth Science Courses Required

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>COURSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASC 240 Hydrology .................................................. 4</td>
<td></td>
</tr>
<tr>
<td>EASC 450 Geochemistry .................................................. 4</td>
<td></td>
</tr>
<tr>
<td>EASC 460 Geophysics .................................................. 4</td>
<td></td>
</tr>
<tr>
<td>EASC 490 Field Methods in Geology .................................. 4</td>
<td></td>
</tr>
</tbody>
</table>

Earth Science Elective
(any other earth science course at or above EASC 450) ........ 3

SCHOOL OF ARTS AND SCIENCES
Earth Sciences

Cognate Courses Required
CHEM 141-142 Chemical Principles I and II ........................................ 8
PHYS 181-182 Elements of Physics I and II ........................................ 8
or
PHYS 243-244 General Physics I and II
MATH 141-142 Elements of Calculus I and II ........................................ 6
or
MATH 151-152 Calculus I and II

Not more than one "D" for an Earth Science (EASC) course shall be accepted to fulfill the requirements for this program.

Total minimum credits: 69

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Chemistry-Geology Major
A major in chemistry-geology is offered jointly with the Department of Chemical Sciences. See the catalog section "Interdisciplinary and Preprofessional Programs" for details.

Earth Sciences Minor Credits
EASC 100 Physical Geology ................................................................. 4
EASC 101 Historical Geology ................................................................. 4
Four additional earth sciences courses (departmental approval required) ................................................................. 12

Total minimum credits: 20

Geophysics Minor
A minor in geophysics is jointly offered with the Department of Physics. For further information, contact the department chairpersons.

Minor in Secondary Education (High School, Middle School or PreK-12 Specialist)
Students may minor in secondary education (high school, middle school or PreK-12 specialist). Successful completion of this minor will lead to Massachusetts Initial Teacher Licensure. Please refer to the "Department of Secondary Education and Professional Programs" for specific teacher licensure and program requirements.

Double Major with Elementary Education, Early Childhood Education or Special Education
Students may choose a double major in earth sciences and elementary education, early childhood education or special education for licensure purposes. Please contact the Department of Earth Sciences and the appropriate education department for further information.

Graduate Programs

Master of Arts in Teaching Earth Sciences
This program is inactive.

General Science
This program is inactive.

Physical Science
The MAT in Physical Science degree was developed for high school and middle school subject area teachers who have an initial license in chemistry, earth science or physics and are seeking a professional license in the Commonwealth of Massachusetts. This MAT program is defined to meet the "appropriate master's degree" requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent Massachusetts Department of Education licensure regulations.

Students should consult the School of Graduate Studies section of this catalog for information regarding program policy and procedures.

For current information concerning program requirements, consult the "Physics" section of this catalog.

SCHOOL OF ARTS AND SCIENCES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
or to pursue graduate study. Bridgewater State College English majors have achieved success in a wide variety of occupations including teaching, banking, law, medicine, publishing, government service, public relations, technical writing, creative writing, advertising and business administration.

Within the English major, students may also pursue a writing concentration or combine their program with licensure in elementary, middle school, or secondary education.

The department offers an honors program for students who wish to pursue independent study culminating in a thesis.

The department participates in interdisciplinary minors such as American Studies, Canadian Studies, Irish-American Studies and Women’s Studies.

**ENGLISH MAJOR**

Majors must achieve a grade of C or above in ENGL 101 Writing I and ENGL 102 Writing II. Credit earned for ENGL 101 and ENGL 102 may not be applied to the major.

The Department of English will permit a major to use only one passing grade below C- to satisfy requirements in the English major. An additional grade below C- will require the major to take another English course.

The major must earn 36 credits in English, which must include three semester hours in each of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 203 Writing About Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 211 Literary Classics of Western</td>
<td>3</td>
</tr>
<tr>
<td>Civilization to 1600 or ENGL 221 Major</td>
<td></td>
</tr>
<tr>
<td>British Writers to 1800</td>
<td></td>
</tr>
<tr>
<td>(also satisfies requirement for English Literature before 1800. Credits are only applied once.)</td>
<td></td>
</tr>
<tr>
<td>English literature before 1800 (choose one course):</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 320 Chaucer</td>
<td></td>
</tr>
<tr>
<td>ENGL 321 The Age of Pope 1660-1740</td>
<td></td>
</tr>
<tr>
<td>ENGL 322 The Age of Johnson 1740-1800</td>
<td></td>
</tr>
<tr>
<td>ENGL 335 Elizabethan and Jacobean Drama</td>
<td></td>
</tr>
<tr>
<td>ENGL 340 Literature of the English Renaissance</td>
<td></td>
</tr>
<tr>
<td>ENGL 341 Literature of the Continental Renaissance</td>
<td></td>
</tr>
<tr>
<td>ENGL 342 Shakespeare: Histories and Comedies</td>
<td></td>
</tr>
<tr>
<td>ENGL 343 Shakespeare: Tragedies and Late Plays</td>
<td></td>
</tr>
<tr>
<td>ENGL 360 The English Novel I</td>
<td></td>
</tr>
<tr>
<td>ENGL 370 Seventeenth Century Literature</td>
<td></td>
</tr>
<tr>
<td>ENGL 380 Milton</td>
<td></td>
</tr>
</tbody>
</table>

- English literature after 1800 (choose one course): 3
- ENGL 312 Modern British Fiction
- ENGL 350 Recent British Fiction
- ENGL 361 The English Novel II
- ENGL 365 Victorian Prose and Poetry

**UNDERGRADUATE PROGRAMS**

**BACHELOR OF ARTS**

The program of study for English majors aims to enhance their appreciation and knowledge of literature and the writing process. Through exposure to significant literary works and to the tools for understanding and analyzing what they read and write, students will develop an understanding of the history and background of English-language literatures, including texts in translation central to the discipline. Coursework in the major includes offerings in culturally diverse English-language literatures with a foundation in British and American traditions, embracing the writing process and critical analysis. This background prepares English majors to enter diverse careers.
ENGL 367 English Literature of the Late Victorian and Edwardian Periods
ENGL 377 Post-Colonial Literature and Theory
ENGL 381 Irish Literature I
ENGL 382 Irish Literature II
ENGL 386 English Romantic Poets
ENGL 393 Modern British Poetry
• American literature (choose one course): ..................... 3
  ENGL 309 Early American Literature, Beginnings to 1820
ENGL 315 Ethnic American Literature
ENGL 317 African-American Literature I
ENGL 318 African-American Literature II
ENGL 329 Modern American Fiction
ENGL 330 Recent American Fiction
ENGL 331 U.S. Literature in the Nineteenth Century I
ENGL 332 U.S. Literature in the Nineteenth Century II
ENGL 333 Realism and Naturalism
ENGL 346 Southern Literature
ENGL 356 Modern American Drama
ENGL 357 Recent American Drama
ENGL 394 Modern American Poetry
ENGL 395 Studies in Recent American Poetry
• A seminar (generally taken during the senior year)
  Choose one seminar:................................................. 3
Note: Each of these courses also fulfill the Writing Intensive in the Major Core Curriculum Requirement-
CWRM
ENGL 494 Seminar: Special Topics
ENGL 495 Seminar: British Literature and Culture
ENGL 496 Seminar: American Literature and Culture
ENGL 497 Seminar: World Literatures and Cultures
• 18 additional credits in English electives ..................... 18

Topical courses may fulfill some of the above requirements. Topics are designated in the Course Schedule.

No more than six hours of 200 level literature courses can be credited toward the major. The six-hour limit in literature does not apply to 200 level writing courses or 200 level film courses in the English Department.

Credit for ENGL 498 Internship in English may not be applied to the requirements of the major.

Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Writing Concentration
The writing concentration is designed to offer a student supervised writing throughout the college career. Students may select courses which emphasize applied writing (technical and business writing), expressive or referential writing or the teaching of writing.

Requirements:
• Required courses for English major:......................... 36
• 9 credit hours from among the following:.................. 9
  ENGL 200 Personal and Public Writing
  ENGL 201 Technical Writing I
  ENGL 202 Business Communication
  ENGL 204 Responding to Writing
  ENGL 227 Creative Nonfiction Writing Workshop
  ENGL 228 Fiction Writing Workshop
  ENGL 229 Poetry Writing Workshop
  ENGL 230 Creative Writing
  ENGL 280 The Journalistic Essay
  ENGL 301 Writing and the Teaching of Writing
  ENGL 302 Technical Writing II
  ENGL 371 Advanced Creative Nonfiction Writing Workshop
  ENGL 389 Topics in Writing
  ENGL 390 Theories in Writing
  ENGL 392 Advanced Poetry Writing Workshop
  ENGL 396 Rhetoric and Style
  ENGL 489 Advanced Portfolio Workshop .................. 3
  Total minimum credits: 48

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

English Education Concentration - High School/Middle School
Students may minor in secondary (high school, grades 8-12 or middle school, grades 5-8) education. Successful completion of this program will lead to Massachusetts Initial Teacher Licensure. Students must complete either the English education concentration for high school or middle school. Students should also refer to the "Department of Secondary Education and Professional Programs" for specific teacher licensure and minor requirements.

Required Courses:
• A course in young adult literature (LIBR 420)............ 3
• ENGL 203 Writing about Literature ....................... 3
• Choose one course from the following courses:............ 3

SCHOOL OF ARTS AND SCIENCES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ENGL 211 Literary Classics of Western Civilization to 1600
ENGL 221 Major British Writers to 1800 (also satisfies area requirement for English Literature before 1800. Credits only applied once.)

- Choose one course from the following courses:................ 3
  ENGL 253 Non-Western Literature
  ENGL 315 Ethnic American Literature
  ENGL 317 African American Literature I
  ENGL 318 African American Literature II

- Choose one course from the following courses:................. 3
  ENGL 327 Women Writers: The Female Tradition to 1900
  ENGL 328 Women Writers: The Female Tradition since 1900

- Choose one course from the following courses:................ 3
  ENGL 320 Chaucer
  ENGL 321 The Age of Pope: 1660–1740
  ENGL 322 The Age of Johnson: 1740–1800
  ENGL 335 Elizabethan and Jacobean Drama
  ENGL 340 Literature of the English Renaissance
  ENGL 341 Literature of the Continental Renaissance
  ENGL 342 Shakespeare: Histories and Comedies
  ENGL 343 Shakespeare: Tragedies and Late Plays
  ENGL 360 The English Novel I
  ENGL 370 Seventeenth Century Literature
  ENGL 380 Milton

- Choose one course from the following courses:................ 3
  ENGL 312 Modern British Fiction
  ENGL 350 Recent British Fiction
  ENGL 361 The English Novel II
  ENGL 365 Victorian Prose and Poetry
  ENGL 367 English Literature of the Late Victorian and Edwardian Periods
  ENGL 381 Irish Literature I
  ENGL 382 Irish Literature II
  ENGL 386 English Romantic Poets
  ENGL 393 Modern British Poetry

- Choose one course from the following courses:............... 3
  ENGL 261 Film Study: Introduction to the Art
  ENGL 262 Film Study: Literature and Film

- Choose one course from the following courses:................. 3
  ENGL 305 History of the English Language
  ENGL 323 Introduction to Linguistics

- Choose one course from the following courses:................. 3
  ENGL 309 Early American Literature, Beginnings to 1820
  ENGL 331 U.S. Literature in the Nineteenth Century I
  ENGL 332 U.S. Literature in the Nineteenth Century II
  ENGL 333 Realism and Naturalism

- Choose one course from the following courses:............... 3
  ENGL 329 Modern American Fiction
  ENGL 330 Recent American Fiction
  ENGL 346 Southern Literature

ENGL 356 Modern American Drama
ENGL 394 Modern American Poetry
ENGL 395 Studies in Recent American Poetry

- ENGL 301 Writing and the Teaching of Writing ................ 3
- Choose one seminar from below................................... 3

Note: Each of these courses also fulfills the Writing Intensive in the Major Core Curriculum Requirement-CWRM.

ENGL 494 Seminar: Special Topics
ENGL 495 Seminar: British Literature and Culture
ENGL 496 Seminar: American Literature and Culture
ENGL 497 Seminar: World Literatures and Cultures

Total minimum credits: 39

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the “Undergraduate Academic Programs” section of this catalog. For additional graduation requirements, see the “Undergraduate Academic Policies” section of this catalog.

DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION

Students may choose a double major in English and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested course sequences are available.

ENGLISH MINOR

Traditionally considered the province of liberal arts majors, the English minor also offers a suitable option for students majoring in such specialized technical and professional fields as computer science, social sciences, behavioral sciences and management science. Eighteen credits in English are required with at least nine credits in courses at the 300 level or above. The remaining nine credits may be taken in courses at the 200 level or above. Credit earned for ENGL 101 Writing I and ENGL 102 Writing II may not be applied toward the minor.

Total minimum credits: 18

HONORS PROGRAM

The Honors Program in English provides highly motivated English majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in English. Contact the Department of English for further information concerning eligibility and application.
**GRADUATE PROGRAMS**

**MAJOR OF ARTS**
The Master of Arts degree in English (MA) is designed for students pursuing advanced studies in English. Candidates in this degree program come from varied academic backgrounds. Some simply want to extend their undergraduate background and complete an MA in English, while others are destined for a PhD and a college teaching career. A number of our MA students are already certified teachers in private or public schools and want an advanced degree in English for professional reasons. Finally, a small number simply want to acquire the MA as an end in and of itself.

**Admission Requirements**
1) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate degree GPA based upon work completed in the junior and senior years
2) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3) Three appropriate letters of recommendation
4) An undergraduate major in English, with at least 24 credits in the discipline, is generally required for admission to this program. Students with deficient academic backgrounds are sometimes accepted into the program with the stipulation that these deficiencies be made up before work actually credited to the degree program begins
5) Official transcripts of all undergraduate and graduate course work

**Degree Requirements**
Thirty-three (33) credits at the 500 level distributed as follows:

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 500 Introduction to Graduate Study in English</td>
<td>3</td>
</tr>
<tr>
<td>(To be taken early in the student’s program)</td>
<td></td>
</tr>
<tr>
<td>Three courses in literary periods, figures, or genres</td>
<td>9</td>
</tr>
<tr>
<td>One course in ethnic or culturally diverse literature</td>
<td>3</td>
</tr>
<tr>
<td>One course in literary theory</td>
<td></td>
</tr>
<tr>
<td>One course in writing</td>
<td>3</td>
</tr>
<tr>
<td>Two elective courses in literature and/or writing</td>
<td>6</td>
</tr>
</tbody>
</table>

The remaining course requirements (6 credits) can be satisfied by completing one of the following two research options:

**Thesis Option**
Students who choose this option will research and write a thesis, a work of independent scholarship, which demonstrates their ability to apply the knowledge and scholarly tools acquired during their degree work. Students who want to pursue doctoral work in English are strongly encouraged to choose the thesis option. Those who choose to write a thesis should consult the graduate coordinator and adviser to select a thesis director and committee, then write a thesis proposal, and register for ENGL 502 Research (6 credits). The thesis must be fully accepted by the thesis director and thesis committee.

**Non-Thesis Option**
Students who choose not to write a thesis must complete the non-thesis option by fulfilling both of the following requirements:
1. Students must enroll in two additional three-credit 500-level elective courses in literature and/or writing (total 6 credits).
2. Students are also required to submit two long seminar papers for evaluation by the Graduate Committee. For this purpose students should select their two best seminar papers written during their graduate program of study. (These papers should be clean, i.e., without the professors’ comments and grades.) Subject to the acceptance by the Graduate Committee, the seminar papers will be placed in the student’s folder in the department.

Total minimum credits: 33

**Additional Degree Requirements**
A Foreign Language Reading Proficiency Test (An intermediate-level reading/translation test in a foreign language of the student’s choice; the student may use a foreign language dictionary during the test.)

A Comprehensive Examination
(Taken after course work is completed)

**MAJOR OF ARTS**

**Creative Writing Concentration**
This program is designed to provide students with the intense study of the art and craft of creative writing. Students who intend to pursue the MFA in English, a career in editing or journalism, or wish to explore their potential as a professional writer will find this option particularly beneficial.

**Admission Requirements**
In addition to the admission requirements for the Master of Arts in English, students who wish to pursue the Creative Writing Concentration must also submit a creative writing sample. Poets should submit 10 to 12 poems. Prose writers should submit between 20 and 40 pages of fiction or creative fiction.

Students not admitted specifically for the Creative Writing Concentration but who wish to change to this concentration must obtain approval from the creative writing faculty who would serve as his or her thesis director.

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**SCHOOL OF ARTS AND SCIENCES**

Note: See Catalog Web Addenda at [www.bridgew.edu/catalog/addenda/](http://www.bridgew.edu/catalog/addenda/) as that information supersedes the published version of this catalog.
Degree Requirements

Thirty-three (33) credits at the 500 level distributed as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 500 Introduction to Graduate Study in English (To be taken early in the student's program)</td>
<td>3</td>
</tr>
<tr>
<td>Three courses in literary periods, figures or genres</td>
<td>9</td>
</tr>
<tr>
<td>One course in ethnic or culturally diverse literature</td>
<td>3</td>
</tr>
<tr>
<td>One course in literary theory</td>
<td>3</td>
</tr>
<tr>
<td>Two courses in creative writing</td>
<td>6</td>
</tr>
<tr>
<td>One elective course in literature or writing</td>
<td>3</td>
</tr>
<tr>
<td>A foreign language reading proficiency test</td>
<td>3</td>
</tr>
<tr>
<td>The remaining course requirements (6 credits) must be satisfied by completing a creative thesis (ENGL 502)</td>
<td>6</td>
</tr>
</tbody>
</table>

Total minimum credits: 33

**MASTERS OF ARTS IN TEACHING ENGLISH**

**Program for teachers who have, or are seeking, professional licensure**

The Master of Arts in Teaching degree in English (MAT) was developed for high-school and middle-school English teachers. Specifically, the MAT is designed for secondary school teachers who have initial licensure and are seeking professional licensure in the Commonwealth of Massachusetts. The MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations. Also, this degree program will appeal to high-school and middle-school English teachers who already have standard certification or a professional license and simply want to acquire additional knowledge and a graduate degree in the discipline. Graduate students in the MAT will complete courses in both English and education. Advising will be done by full-time members of the graduate faculty in the Department of English.

**Admission Requirements**

1. A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2. A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3. An initial teaching license
4. Three appropriate letters of recommendation
5. Official transcripts of all undergraduate and graduate course work

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under Graduate Advisers and Graduate Program Planning in the School of Graduate Studies section of this catalog.

Degree Requirements:

Thirty-four (34) credits at the 500 level distributed as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
<tr>
<td>Eighteen (18) credits in English</td>
<td></td>
</tr>
<tr>
<td>ENGL 500 Introduction to Graduate Study in English</td>
<td>3</td>
</tr>
<tr>
<td>Two courses in literary periods, figures, or genres</td>
<td>6</td>
</tr>
<tr>
<td>One course in writing</td>
<td>3</td>
</tr>
<tr>
<td>One course in ethnic and culturally diverse literature</td>
<td>3</td>
</tr>
<tr>
<td>One elective course in literature or writing</td>
<td>3</td>
</tr>
<tr>
<td>Fifteen (15) credits in secondary education:</td>
<td></td>
</tr>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader. From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total minimum credits: 34

A Comprehensive Examination administered by the Department of English
Foreign Languages

**Faculty**

**Chairperson:** Assistant Professor Fernanda Ferreira

**Professors:** Leora Lev, Margaret Snook

**Associate Professors:** Dulio Ayalamacedo, Atandra Mukhopadhyay

Department Telephone Number: 508.531.1279
Location: Tiltingast Hall, Room 317
Web site: www.bridgew.edu/catalog/ForeignLanguage

**Degree Program**
- BA in Spanish

**Undergraduate Minor**
- Portuguese
- Spanish

**Undergraduate Programs**

**Bachelor of Arts**
The Department of Foreign Language offers students an opportunity to gain practical working knowledge of one or more of 10 foreign languages. Students may choose any of these 10 languages offered by the department unless otherwise advised by the requirements of their academic major. Students who are continuing the study of foreign languages at Bridgewater State College should do so at the earliest opportunity.

The department offers an undergraduate major and minor in Spanish.

To maintain good standing, only grades of C- or better are allowed in each major course and in LANG 324 and EDHM 424. Thirty to 36 semester hours are required for a Spanish major.

For all prerequisites, equivalent course credit or preparation will be considered.

The Department of Foreign Languages participates in the multidisciplinary minor in Canadian Studies; the Latin American and Caribbean Studies minor, the Women’s and Gender Studies minor, and the Asian Studies minor. For specific information on these programs, consult the catalog section "Interdisciplinary and Preprofessional Programs."

**Spanish Major**
To graduate with a major in Spanish, the student must take 30-36 credits of Spanish courses LASP 252 and above. The following is a partial list of approved courses for the Spanish major.

- LASP 252 Reading in Spanish
- LASP 271 Patterns of the Spanish Language
- LASP 272 Spanish Composition
- LASP 281 Spanish Conversation
- LASP 290 Spanish Phonetics and Dialectology
- LASP 301 The Golden Age of Spanish Literature
- LASP 310 Contemporary Latin American Short Story
- LASP 320 Latin American Poetry
- LASP 350 Gender, Sexuality, and Politics in Hispanic Cinema
- LASP 351 Cervantes
- LASP 381 The Middle Ages
- LASP 391 Spanish Civilization
- LASP 392 Spanish-American Civilization
- LASP 400 Survey of Spanish Literature
- LASP 401 Topics in Spanish Literature
- LASP 402 Survey of Spanish-American Literature
- LASP 403 Topics in Spanish-American Literature
- LASP 404 Nineteenth Century Spanish Literature
- LASP 410 Latin American Novel: Early Twentieth Century
- LASP 420 The Contemporary Latin American Novel
- LASP 451 Twentieth Century Spanish Literature
- LASP 490 Seminar in Hispanic Literature
- LASP 495 Seminar in Spanish-American Literature

A maximum of three credits in LANG 498 Internship in Foreign Languages may be substituted for one course above with departmental approval.

A maximum of three credits earned in a Spanish course taught in English may be applied toward the Spanish major. Spanish courses taught in English include LASP 350 Gender, Sexuality, and Politics in Hispanic Cinema.

The following courses are not applicable towards the Spanish major:

- LASP 210 Latin American Poetry in Translation
- LASP 220 The Contemporary Latin American Novel in English Translation
- LASP 230 Contemporary Latin American Short Story in Translation
- Courses with a LANG subject code (with the exception of LANG 498)

Total minimum credits: 30

**Core Curriculum Requirements**
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

SCHOOL OF ARTS AND SCIENCES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Foreign Languages

SCHM consortium courses and study abroad are available for transfer purposes. See the "Undergraduate Academic Experience" of this catalog for further information.

The Spanish major sequence is not available in the evening hours.

**Double Major with Elementary Education, Early Childhood Education or Special Education**

Students may choose a double major in Spanish and elementary education, early childhood education or special education for licensure purposes. Advising on appropriate course sequences is available.

**Portuguese Minor**

Students can take the following two courses, or place directly into LAPO 102 based on the Portuguese Placement Exam.

<table>
<thead>
<tr>
<th>Basic Language Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAPO 101 Elementary Portuguese I</td>
<td>3</td>
</tr>
<tr>
<td>LAPO 102 Elementary Portuguese II</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core Courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LAPO 151 Intermediate Portuguese I</td>
<td>3</td>
</tr>
<tr>
<td>LAPO 152 Intermediate Portuguese II</td>
<td>3</td>
</tr>
<tr>
<td>LAPO 252 Reading in Portuguese</td>
<td>3</td>
</tr>
<tr>
<td>LAPO 271 Review of Portuguese Grammar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Additional required course**

Students must choose one of the following courses:

- LAPO 272 Portuguese Composition ................................ 3
- or
- LAPO 281 Portuguese Conversation ................................ 3

**Total minimum credits: 18**

**Spanish Minor**

Spanish minors are required to take 18 semester hours in the foreign language, which may include the 101-102 level. The choice of subsequent courses may be determined in consultation with the department head.

A maximum of three credits earned in a Spanish course taught in English may be applied toward the Spanish minor. Spanish courses taught in English include:

- LASP 350 Gender, Sexuality, and Politics in Hispanic Cinema

The following courses are not applicable toward the Spanish minor:

- LASP 210 Latin American Poetry in Translation
- LASP 220 The Contemporary Latin American Novel in English Translation
- LASP 230 Contemporary Latin American Short Story in Translation

**LANG 300 Languages of the World**

Courses with a LANG subject code (with the exception of LANG 498)

Total minimum credits: 18

**Minor in Secondary Education**

The minor in Secondary Education for licensure as a Teacher of Foreign Language (Spanish) 5-12 is inactive.

**Foreign Language Requirement**

Students who would like to continue the study of foreign languages at Bridgewater State College should do so at the earliest opportunity.

With the exception of advanced placement foreign language courses and foreign language College-Level Examination Program (CLEP) exams, credit may not be granted to students exempt from one to two semesters because of study of three or more secondary levels of the same foreign language or because of a placement score. Students whose total credit hours fall below the minimum 120 required for graduation due to a foreign language exemption would need to take additional free elective course work to meet this graduation requirement.

**Foreign Language Placement Policy**

- **If you have completed four levels of foreign language in high school**
  - see the department chairperson if you wish to continue in the same language.
  - you may begin a new foreign language at the 101 level.

- **If you have completed three levels of foreign language in high school with at least a C grade in level three**
  - you will automatically be placed in level _102 of the same language.
  - you may begin a new foreign language at the 101 level.
  - you may take the Foreign Language Placement Exam for higher placement only.

- **If you have completed three levels of foreign language in high school with less than a C in level three**
  - you must take the Foreign Language Placement Exam and be placed accordingly.
  - you may begin a new foreign language at the 101 level.

- **If it has been two or more years since you completed three levels of foreign language in high school**
  - you must take the Foreign Language Placement Exam and you may take _101 for credit if the exam places you in _101.
  - you may begin a new foreign language at the 101 level.
Foreign Languages

• If you are a transfer student from another college or university and
  • you took a foreign language at your previous institution, your transfer credits will be assessed upon admission to Bridgewater State College.
  • you did not take a foreign language at your previous institution, your remaining foreign language requirement (should there be one) will be determined by your foreign language experience in high school, based on the guidelines above.
• If your situation does not fit one of the categories above
  • contact the Department of Foreign Languages (Room 340, Tillinghast Hall, 508.531.1379), for additional assistance.

Students who were exempt from foreign language study in high school or at previous colleges must go through a formal process to request a substitution of the foreign language requirement in certain majors at Bridgewater State College. Students with appropriate documentation should meet with the learning disabilities specialist or the disability resources coordinator as early as possible to receive information on the process requirements.

Honors Program
The honors program in Spanish provides highly motivated Spanish majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in postgraduate employment or in the pursuit of an advanced degree in Spanish. Contact the Department of Foreign Languages for further information concerning eligibility and application.

Overseas Study Opportunities
The Department of Foreign Languages urges its majors and minors to study abroad and can offer information on available study plans. The International and Exchange Programs Office, Student Affairs, can assist students. Any student contemplating study abroad should consult the department with all pertinent documentation. Final acceptance of credit will be determined upon receipt of official transcripts and supporting material and, in some cases, may not be equivalent to the credits earned in a regular semester or year at Bridgewater State College.

GRADUATE PROGRAMS

Master of Arts in Teaching
This program is inactive.

Students interested in obtaining Massachusetts initial licensure should refer to this catalog to the program entitled "Accelerated Postbaccalaureate Program (APB): Initial Licensure for High School (Subject Areas: 8-12), Middle Level (Subject Areas: 5-8) and PreK-12 Specialists under "Secondary Education and Professional Programs."
Geography

Faculty

Chairperson and Graduate Program Coordinator: Associate Professor James Hayes-Bohanan

Professors: Sandra Clark, Vernon Domingo

Associate Professors: Robert Hellström, Madhusudana Rao

Assistant Professors: Robert Amey, Darcy Boellstorff

Department Telephone Number: 508.531.1390
Location: Conant Science Building, Room 310
Web site: www.bridgew.edu/Geography

Degree Programs
• BA in Geography
• BS in Geography
• MAT - Physical Sciences

Undergraduate Minors
• Geography

The Department of Geography offers an undergraduate major in geography. Majors in Geography may double major with education. Majors in geography may elect a concentration in environmental geography, geotechnology or regional and economic planning or double major with education. In addition, programs in chemistry-geology, oceanography and urban affairs and planning are available. The department is also active in the Asian studies minor, the Canadian studies minor, the Russian and East European studies minor, the urban affairs minor, and the women’s studies minor, as well as the Graduate Certificate in Planning. See the “Interdisciplinary and Preprofessional Programs” section of this catalog.

The department works actively with state and regional agencies on socioeconomic and environmental problems. Past faculty research projects include coastal storm impacts, regional economic developments, transportation planning, the impact of PCBs in New Bedford Harbor, and the search for water supplies for the next century.

The department has been involved with assisting local organizations through faculty research and student internships. Examples of such involvement are with local banks, planning agencies, retailers, Boston’s “Big Dig”, the Massachusetts Bay Transit Authority (MBTA), the Massachusetts Forest Fire Bureau, the Natural Resources Trust of Bridgewater, and the Ocean Spray Cranberry Cooperative.

Additionally, this department has been selected as the only department in the state college system in Massachusetts to participate in the National Aeronautics and Space Administration (NASA) sponsored Joint Venture (JOVE) program. Members of the faculty collaborate with the Jet Propulsion Laboratory (on multi-spectral and hyperspectral remote sensing in Mexico, Alabama, and Southeastern Massachusetts), the Goddard Space Flight Center (on bolide impact), the U.S. Department of Transportation (on a national study of bus systems), Woods Hole Oceanographic Institution (on research problems in marine geochemistry and geology), the Massachusetts Department of Education (on statewide curriculum reform) and the U.S. Army Corps of Engineers (on wetlands). Faculty are also involved in watershed studies in cooperation with biology department faculty at the Raytheon Watershed Access Laboratory. In addition, a member of the faculty has an appointment as guest investigator at the Woods Hole Oceanographic Institution on Cape Cod and has research opportunities for students in marine geochemistry and geology. Two other professors are actively engaged in statewide curriculum reform. The geography faculty maintains the Southeastern Massachusetts Global Education Center’s Resource Center.

A program leading to the degree of Master of Arts in Teaching (MAT) with a concentration in earth sciences is offered by the department. A MAT in Social Sciences with an emphasis on geography is available in cooperation with the history department.

Modern equipment enables the department to offer investigation oriented laboratory experience. This equipment includes: (1) an X-ray Diffractometer with powder cameras; (2) thin section equipment; (3) polarizing and stereoscopic microscopes; (4) atomic absorption spectro-photometer; (5) a proton procession magnetometer; (6) earth resistivity unit; (7) Frantz Isodynamic Separator; (8) 14-foot coastal research vessel; (9) a portable gamma-ray spectrometer; (10) Sunsparc 20 UNIX work station; (11) Hewlett Packard capillary gas chromatograph; (12) GPS surveying equipment; (13) a portable visible-near infrared, spectroradiometer; and (14) groundwater sampling equipment.

In addition, the department has a well-equipped remote sensing laboratory, and a cartographic laboratory with a large format digitizer planimeter, a climatological station with solar radiation recording instrumentation, a solar greenhouse classroom at the Burrell Campus School, an astronomy observatory, a wet geochemistry laboratory, and a wet, as well as dry, sedimentology laboratory. Finally, this department has access to a scanning electron microscope through the Southeastern Massachusetts Consortium.

Earth sciences and geography faculty are using Bridgewater State College’s sophisticated computer facilities for classroom instruction, including demonstrating and displaying Web-based
and self-authored material and models. In a growing number of courses, students may submit assignments online, and in some courses, a majority of class time is spent in “virtual classrooms.” To learn more, visit the department website at www.bridgew.edu/depts/Geography.

The department boasts an active Earth Sciences and Geography Club that sponsors both local (Harvard Mineral Museum), regional (New Hampshire’s White Mountains), national (Hawaii), and international (Iceland, Mexico) field trips. Students may also qualify for Gamma Theta Upsilon the international geography honor society.

UNDERGRADUATE PROGRAM

Geography Major (BA or BS)
A major or minor in geography can provide a student with a way to examine the world with objectivity. The student can be trained to analyze the water-use and land-use opportunities in your communities, to understand the interrelated systems which keep the land and sea resources in balance, and to appreciate the varied ways in which people all over the world use those resources. Bridgewater State College graduates have found employment as planners, environmental analysts, teachers, market researchers, cartographers and administrators. Many of our geography majors have gone on to earn advanced degrees from leading graduate schools.

Students are invited to meet with any of the geography faculty — Professors Clark, Domingo, Hayes — Bohanan, Hellström, Rao, or Aten—to discuss the program.

All geography majors must complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 121 Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 151 Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 213 Geographic Information Systems (GIS) I</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 290 Introduction to Geographic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 370-389 Any regional geography course</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 490 Seminar in Geography</td>
<td>3</td>
</tr>
<tr>
<td>MATH 110 Elementary Statistics I</td>
<td>3</td>
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</tbody>
</table>

Geography majors are required to complete the following additional courses according to the degree being sought.

BS in Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEOG 315 Quantitative Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 413 Geographic Information Systems (GIS) II</td>
<td>3</td>
</tr>
</tbody>
</table>

Students seeking a BS in Geography are strongly encouraged to complete:

GEOG 498 Internship in Geography or Planning

BA in Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 340 Geography Materials and Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 441 Geographic Frameworks</td>
<td>3</td>
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</tbody>
</table>

Program Electives

All Geography majors must complete any four additional courses chosen, in consultation with their advisers, from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 221 Meteorology</td>
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<tr>
<td>GEOG 222 Climatology</td>
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<tr>
<td>GEOG 314 Satellite Image Processing Applications to the Environment</td>
<td></td>
</tr>
<tr>
<td>GEOG 315 Quantitative Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 317 Air Photo Interpretation-Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>GEOG 321 Meteorology II</td>
<td></td>
</tr>
<tr>
<td>GEOG 322 Biogeography</td>
<td></td>
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<tr>
<td>GEOG 323 Water Resources</td>
<td></td>
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<tr>
<td>GEOG 324 Earth Surface Processes</td>
<td></td>
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<tr>
<td>GEOG 331 Geography of Environmental Problems</td>
<td></td>
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<tr>
<td>GEOG 332 Management and Preservation of the Natural Environment</td>
<td></td>
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<tr>
<td>GEOG 333 Geography of Environmental Justice</td>
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<tr>
<td>GEOG 340 Geography Materials and Methods</td>
<td></td>
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<tr>
<td>GEOG 350 Economic Geography</td>
<td></td>
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<tr>
<td>GEOG 354 Field Methods in Urban Geography</td>
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<tr>
<td>GEOG 355 Political Geography</td>
<td></td>
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<tr>
<td>GEOG 363 Locational Analysis</td>
<td></td>
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<tr>
<td>GEOG 365 Geography of Transportation</td>
<td></td>
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<tr>
<td>GEOG 374 Geography of the Middle East</td>
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<tr>
<td>GEOG 375 Geography of South Asia</td>
<td></td>
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<tr>
<td>GEOG 376 Geography of East Asia</td>
<td></td>
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<tr>
<td>GEOG 380 Geography of Russia/C.I.S.</td>
<td></td>
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<tr>
<td>GEOG 381 Geography of Latin America</td>
<td></td>
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<tr>
<td>GEOG 382 Geography of Europe</td>
<td></td>
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<tr>
<td>GEOG 383 Geography of the United States</td>
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<td>GEOG 386 Geography of Canada</td>
<td></td>
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<tr>
<td>GEOG 388 Geography of Africa</td>
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<tr>
<td>GEOG 400 Special Topics in Geography</td>
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</tr>
<tr>
<td>GEOG 413 Geographic Information Systems (GIS) II</td>
<td></td>
</tr>
<tr>
<td>GEOG 422 Online Weather Studies</td>
<td></td>
</tr>
<tr>
<td>GEOG 431 Environmental Regulations</td>
<td></td>
</tr>
<tr>
<td>GEOG 441 Geographic Frameworks</td>
<td></td>
</tr>
<tr>
<td>GEOG 462 Principles of Urban Planning</td>
<td></td>
</tr>
<tr>
<td>GEOG 463 Applications in Urban Planning</td>
<td></td>
</tr>
<tr>
<td>GEOG 497 Undergraduate Research in Geography</td>
<td></td>
</tr>
<tr>
<td>GEOG 498 Internship in Geography or Planning</td>
<td></td>
</tr>
<tr>
<td>GEOG 499 Directed Study in Geography</td>
<td></td>
</tr>
</tbody>
</table>

Total minimum credits — BA in Geography: 39
Total minimum credits — BS in Geography: 39

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the “Undergraduate Academic Programs” section.
of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION**

Students may choose a double major in geography and elementary education, early childhood education or special education for licensure purposes. Please contact the Department of Geography and the appropriate education department for further information.

**GEOGRAPHY MINOR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 121 Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 151 Human Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

Four additional geography courses (departmental approval required). Two courses must be at the 200 level or higher and must be from at least two of the following areas: 12 credits

- a) a regional course
- b) a topical course
- c) a techniques course

Total minimum credits: 18

**GRADUATE PROGRAMS**

**MASTER OF ARTS IN TEACHING EARTH SCIENCES**

This program is inactive.

**GENERAL SCIENCE**

This program is inactive.

**PHYSICAL SCIENCE**

The MAT in Physical Science degree was developed for high school and middle school subject area teachers who have an initial license in chemistry, earth science or physics and are seeking a professional license in the Commonwealth of Massachusetts. This MAT program is defined to meet the "appropriate master's degree" requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent Massachusetts Department of Education licensure regulations.

Students should consult the "School of Graduate Studies" section of this catalog for information regarding program policy and procedures.

For current information concerning program requirements, consult the "Physics" section of this catalog.
History

Faculty

Chairperson: Professor Leonid Heretz

Graduate Program Coordinator: Associate Professor Keith Lewinstein

Professors: David Culver, Lucille Fortunato, Andrew Holman, Philip Silvia, Jr., Jean Stonehouse, Thomas Turner

Associate Professors: Michael Ierardi, Margaret Lowe, Erin O'Connor, Wing-Kai To

Assistant Professors: Joshua Greenberg, Raman Seylon, Sarah Wiggins

Department Telephone Number: 508.531.1388
Location: Tillinghast Hall, Room 310
Web site: www.bridgew.edu/History

Degree Programs

- BA in History
  Concentration: Military History
- MAT - History

Undergraduate Minors

- History
- Public History*
  *Interdisciplinary Minor

Undergraduate Programs

Bachelor of Arts

The department offers students a solid, liberal arts major as preparation for professional careers, for graduate study in other fields (law and librarianship, for example) and for careers as museum professionals and public historians. It prepares students to teach history at the middle and high school level, and it provides a relevant and valuable liberal arts major to students preparing for careers in elementary, early childhood and special education. It also contributes to the general education program by offering history courses to all students.

The Department of History recommends that its majors select a minor or interdisciplinary program that will complement the major program. History majors electing secondary education are strongly urged to take elective courses in geography, political science, economics and the behavioral sciences in order to meet present employment expectations.

History Major

No grade lower than a "C-" in a History (HIST) course may be used to fulfill the requirements for the history major. Students receiving a "D" or "F" in a history course may continue as history majors but must either retake and successfully complete the course (with a grade of "C-" or better) or must successfully complete another course that fulfills the same required "area" for the major.

Required courses:

- One course from among: ........................................... 3
  HIST 111 Western Civilization to the Reformation
  HIST 121 The Ancient World
  HIST 131 World History to 1500

- One course from among: ........................................... 3
  HIST 112 Western Civilization since the Reformation
  HIST 132 World History since 1500

- HIST 221 United States History and Constitutions
  to 1865................................................................. 3

- HIST 222 United States History and Constitutions
  since 1865............................................................. 3

- One course taken from each of the following areas: ...... 18
  Area III  Ancient, Medieval, Early Modern Europe
  Area IV  Modern Europe
  Area V  United States History to 1877
  Area VI  United States History since 1877
  Area VII  The Traditional World
  Area VIII  Modern World

  Two upper division (300-400 level) electives, which
  must be taken in different geographical areas
  (World, Europe, U.S.A.). Students may meet this
  requirement with courses in public history and/or
  museum management. ........................................... 6

  Note: Students seeking elementary education, middle
  school or high school licensure with a history major
  should select an additional course in Area III as one
  of their electives so that they have taken one course from
  the Ancient/Medieval offerings and one from Early Modern
  Europe for a total of six credit hours in Area III toward
  completion of the major.

- HIST 495 Undergraduate History Colloquium (Writing
  Intensive in the Major Core Curriculum Requirement-
  CWRM)
  or
  HIST 496 Undergraduate History Seminar

  Students may use these courses to meet area
  requirements

Only six hours of 100 level and six hours of 200 level courses
may be applied toward a history major or minor.

SCHOOL OF ARTS AND SCIENCES

Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
No more than three hours from the following courses may be used toward the 36 hours required for a history major: HIST 392, 498, 499.

No more than three hours from the following courses may be used toward the 36 hours required for a history major:
HIST 458 North American Women’s and Gender History
HIST 466 Women in American History

Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

UNDERGRADUATE COURSES BY AREA

Area I - Western Civilization and World History
HIST 111 Western Civilization to the Reformation
HIST 112 Western Civilization since the Reformation
HIST 121 The Ancient World
HIST 131 World History to 1500
HIST 132 World History since 1500
INTD 211 History and Literature of Western Civilization I

Area II - United States History Surveys
HIST 221 United States History and Constitutions to 1865
HIST 222 United States History and Constitutions since 1865

Area III - Ancient, Medieval, Early Modern Europe
HIST 400 The Ancient World: Near East
HIST 403 Ancient Greece and the Hellenistic Age
HIST 404 The Ancient World: Rome
HIST 406 Rise of Early Christianity
HIST 407 Mystery Religions
HIST 408 Jews and Christians in the Ancient Roman World
HIST 415 Europe in the Middle Ages
HIST 418 Renaissance Europe
HIST 419 The Reformation and Wars of Religion
HIST 420 Early Modern Europe: Society and Culture
HIST 421 European Women’s History: Medieval Renaissance and Reformation
HIST 425 British History since 1603
HIST 437 European National Histories (when appropriate)
HIST 437 European National Histories: Italy
European National Histories: France
HIST 439 Topics in Non-United States History (when appropriate)
HIST 495 Undergraduate History Colloquium (when appropriate)

Area IV - Modern Europe
HIST 426 British Empire and Commonwealth since 1815
HIST 429 The French Revolution and the Napoleonic Era
HIST 430 Nineteenth Century Europe
HIST 431 Twentieth Century Europe
HIST 432 Intellectual History of Modern Europe
HIST 433 Modern European Imperialism
HIST 434 Modern Russia to 1917
HIST 435 History of the U.S.S.R.
HIST 436 History of East-Central Europe since 1918
HIST 437 European National Histories
HIST 439 Topics in Non-United States History (when appropriate)
HIST 495 Undergraduate History Colloquium (when appropriate)
INTD 427 Ireland in Literature and History, 1798-1922

Area V - United States History to 1877
HIST 440 Topics in United States History (when appropriate)
HIST 441 United States History: The Colonial Period 1607-1763
HIST 442 United States History: The American Revolution 1763-1787
HIST 443 United States History: The Early National Period
HIST 444 Jacksonian Democracy and the Coming of the Civil War
HIST 445 United States History: The Civil War
HIST 448 United States Foreign Relations to 1900
HIST 461 American Immigration and Ethnicity
HIST 464 New England Textile Communities: Social and Economic History
HIST 465 African-American History
HIST 466 Women in American History
HIST 489 History of Canadian-American Relations
HIST 495 Undergraduate History Colloquium (when appropriate)

Area VI - United States History since 1877
HIST 440 Topics in United States History (when appropriate)
HIST 446 United States History: 1865-1900
HIST 449 United States Foreign Relations since 1900
HIST 453 United States History: Progressive Era
HIST 456 World War II
HIST 457 America since World War II
HIST 461 American Immigration and Ethnicity
History

HIST 462 American Labor History
HIST 464 New England Textile Communities: Social and Economic History
HIST 465 African-American History
HIST 466 Women in American History
HIST 471 Sport in American Life
HIST 495 Undergraduate History Colloquium (when appropriate)

Area VII - The Traditional World
HIST 400 The Ancient World: Near East
HIST 434 Modern Russia to 1917
HIST 439 Topics in Non-United States History (when appropriate)
HIST 474 Islamic Civilization to 1400
HIST 477 Latin America: The Colonial Period
HIST 480 History of Imperial China
HIST 482 History of Modern Japan
HIST 483 South Asia: The Modern Period
HIST 487 Canadian History to Confederation
HIST 491 Medicine and Society in the North Atlantic World
HIST 495 Undergraduate History Colloquium (when appropriate)

Area VIII - Modern World
HIST 435 History of the U.S.S.R.
HIST 439 Topics in Non-United States History (when appropriate)
HIST 456 World War II
HIST 475 The Modern Middle East
HIST 476 The Arab-Israeli Conflict
HIST 478 Latin America: The National Period
HIST 481 China Under Communism
HIST 482 History of Modern Japan
HIST 483 South Asia: The Modern Period
HIST 484 War and Revolution in Modern Asia
HIST 488 Canadian History since Confederation
HIST 489 History of Canadian-American Relations
HIST 491 Medicine and Society in the North Atlantic World
HIST 494 Quebec and Canada since 1867
HIST 495 Undergraduate History Colloquium (when appropriate)

The following courses may be used to meet area requirements. The specific area, however, depends on the topic or topics addressed in the course:

HIST 338 Honors Tutorial - Fall Semester
HIST 339 Honors Tutorial - Spring Semester
HIST 391 Historiography
HIST 439 Topics in Non-United States History
HIST 440 Topics in United States History
HIST 485 Honors Thesis
HIST 490 Historical Studies at Oxford
HIST 495 Undergraduate History Colloquium
HIST 496 Undergraduate History Seminar
HIST 498 Internship in History
HIST 499 Directed Study in History

The following courses also carry credit in history:
INTD 200 Introduction to Canadian Studies
INTD 211 History and Literature of Western Civilization I
INTD 220 Introduction to American Studies
INTD 420 American Studies Seminar
INTD 427 Ireland in Literature and History, 1798-1922

History Major/Middle School or High School Education Minor

History (Teacher of History Grades 5-8)
No grade lower than a "C-" in a history course may be used to fulfill the requirements for the history major. Students receiving a "D" or "F" in a history course may continue as history majors but must either retake and successfully complete the course (with a grade of "C-" or better) or must successfully complete another course that fulfills the same required "area" for the major.

Required courses:

Please consult the "Secondary Education and Professional Programs" section of this catalog for courses required for the secondary education (high school, middle school, Pre-K-12 specialist) minor.

- • Note: The methods course requirement of all candidates seeking licensure as a teacher of history, grades 5-8 is:
  MSED 450 Strategies of Teaching History/Political Science in the Middle School
- • One course from among the following:.......................... 3
  HIST 111 Western Civilization to the Reformation
  HIST 121 The Ancient World
  HIST 131 World History to 1500
- • One course from among the following:.......................... 3
  HIST 112 Western Civilization since the Reformation
  HIST 132 World History since 1500
- • HIST 221 United States History and Constitutions to 1865........................................................................... 3
- • HIST 222 United States History and Constitutions since 1865........................................................................... 3
- • One course taken from each of the following areas:....... 18
  Area III Ancient, Medieval, Early Modern Europe
  Area IV Modern Europe
  Area V United States History to 1877
  Area VI United States History since 1877

SCHOOL OF ARTS AND SCIENCES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
History

Area VII  The Traditional World
Area VIII  Modern World

Note: Students seeking middle school or high school licensure with a history major should select an additional course in Area III as one of their electives so that they have taken one course each from the Ancient/Medieval offerings and one from Early Modern Europe for a total of six credit hours in Area III toward completion of the major.

- Two additional upper division (300 and 400 level) history electives, which must be taken in different geographical areas (World, Europe, U.S.A.) ............................................. 6

- HIST 495 Undergraduate History Colloquium (Writing Intensive in the Major Core Curriculum Requirement-CWRM)
  or
  HIST 496 Undergraduate History Seminar
Students may use these courses to meet area requirements.

Only six hours of 100 level and six hours of 200 level courses may be applied toward a history major or minor.

No more than three hours from the following courses may be used toward the 36 hours required for a history major: HIST 392, 498, 499.

No more than three hours from the following courses may be used toward the 36 hours required for a history major:
HIST 458 North American Women's and Gender History
HIST 466 Women in American History

Total minimum credits: 69

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

History (Teacher of History Grades 8-12)
No grade lower than a "C-" in a history course may be used to fulfill the requirements for the history major. Students receiving a "D" or "F" in a history course may continue as history majors but must either retake and successfully complete the course (with a grade of "C-" or better) or must successfully complete another course that fulfills the same required "area" for the major.

Required courses:

Please consult the "Secondary Education and Professional Programs" section of this catalog for courses required for the secondary education (high school, middle school, PreK-12 specialist) minor ............................................................... 33

Note: The methods course requirement of all candidates seeking licensure as a teacher of history, grades 8-12 is:
HSED 412 Strategies for Teaching History/Political Science in the High School

- One course from among the following: ......................................... 3
  HIST 111 Western Civilization to the Reformation
  HIST 121 The Ancient World
  HIST 131 World History to 1500

- One course from among the following: ......................................... 3
  HIST 112 Western Civilization since the Reformation
  HIST 132 World History since 1500
  HIST 221 United States History and Constitutions to 1865 .. 3
  HIST 222 United States History and Constitutions since 1865 ................................................................. 3

- One course taken from each of the following areas: ........ 18
  Area III  Ancient, Medieval, Early Modern Europe
  Area IV  Modern Europe
  Area V  United States History to 1877
  Area VI  United States History since 1877
  Area VII  The Traditional World
  Area VIII  Modern World

Note: Students seeking middle school or high school licensure with a history major should select an additional course in Area III as one of their electives so that they have taken one course from the Ancient/Medieval offerings and one from Early Modern Europe for a total of six credit hours in Area III toward completion of the major.

- Two additional upper division (300 and 400 level) history electives, which must be taken in different geographical areas (World, Europe, USA) ............................................. 6

- HIST 495 Undergraduate History Colloquium (Writing Intensive in the Major Core Curriculum Requirement-CWRM)
  or
  HIST 496 Undergraduate History Seminar
Students may use these courses to meet area requirements.

Only six hours of 100 level and six hours of 200 level courses may be applied toward a history major or minor.

No more than three hours from the following may be used toward the 36 hours for a history major: HIST 392, 498, 499.

No more than three hours from the following courses may be used toward the 36 hours required for a history major:
HIST 458 North American Women's and Gender History
HIST 466 Women in American History

Total minimum credits: 69
Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Military History Concentration
All history majors with a military concentration must meet all the requirements of the history major. Specific course content areas are noted below.

No grade lower than a "C-" in a history course may be used to fulfill the requirements for the history major. Students receiving a "D" or "F" in a history course may continue as history majors but must either retake and successfully complete the course (with a grade of "C-" or better) or must successfully complete another course that fulfills the same required "area" for the major.

Required courses:

- One course from among: .............................................. 3
  HIST 111 Western Civilization to the Reformation
  HIST 121 The Ancient World
  HIST 131 World History to 1500

- One course from among: .............................................. 3
  HIST 112 Western Civilization since the Reformation
  HIST 132 World History since 1500

- HIST 221 United States History and Constitutions to 1865 .............................................. 3
- HIST 222 United States History and Constitutions since 1865 .............................................. 3

- One course taken from each of the following areas:
  (one course of each grouping must be in military history)... 18
  Area III and IV  Ancient, Medieval, Early
  Modern Europe; Modern Europe
  Area V and VI  United States History to 1877;
  United States History since 1877
  Area VII and VIII  The Traditional World;
  Modern World

Note: Students seeking middle school or high school licensure with a history major should select an additional course in Area III as one of their electives so that they have taken one course from the Ancient/Medieval offerings and one from Early Modern Europe for a total of six credit hours in Area III toward completion of the major.

- Two upper division (300 and 400 level) military history electives, which must be taken in different geographical areas (World, Europe, USA) .............................................. 6

- HIST 495 Undergraduate History Colloquium (Writing Intensive in the Major Core Curriculum Requirement-CWRM)
  or
  HIST 496 Undergraduate History Seminar

Students may use these courses to meet area requirements.

Only six hours of 100 level and six hours of 200 level courses may be applied toward a history major or minor.

No more than three hours from the following may be used toward the 36 hours required for a history major: HIST 392, 498, 499.

No more than three hours from the following courses may be used toward the 39 hours required for a history major:
  HIST 458 North American Women's and Gender History
  HIST 466 Women in American History

Total minimum credits: 36

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Double Major with Elementary Education, Early Childhood Education or Special Education
Students may choose a double major in history and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested sequences are available.

Minor in Secondary (High School, Middle School, PreK-12 Specialist)
Students may minor either in secondary (high school, grades 8-12 or middle school, grades 5-8) education. Successful completion of either of these programs will lead to Massachusetts Initial Teacher Licensure. Please refer to "Secondary Education and Professional Programs" for specific teacher licensure and program requirements.

History Minor
Required courses:  

HIST 111 Western Civilization to the Reformation .................. 3
  or
HIST 121 The Ancient World
  or
HIST 131 World History to 1500
HIST 112 Western Civilization since the Reformation ............. 3
  or
HIST 132 World History since 1500
HIST 221 United States History and Constitutions to 1865 ......................................................... 3
HIST 222 United States History and Constitutions since 1865 ......................................................... 3

One course (three hours) from the 300-400 upper level courses. Students may select from the following areas: ............................................. 3
Area III: Ancient, Medieval, Early Modern Europe
Area IV: Modern Europe
Area VII: Traditional World
Area VIII: Modern World

One course (three hours) from the 300-400 upper level courses. Students may select from any one of the following areas: .......................................................... 3
Area V: United States History to 1877
Area VI: United States History since 1877

Only six hours of 100 level and six hours of 200 level courses may be applied toward a history major or minor.
Total minimum credits: 18

INTERDISCIPLINARY MINOR IN PUBLIC HISTORY

The departments of history and sociology and anthropology offer an Interdisciplinary minor in public history that provides students with education and training for professional positions in public institutions such as museums, government offices, historical societies, national parks and in business. The program is designed to serve the Southeastern Massachusetts region.

Required courses: 
HIST 392 History Seminar ................................................. 3
HIST 492 Historical Museum Management .................................. 3
or
HIST 493 Museum Management: A Practicum
HIST 498 Internship in History .............................................. 3
ANTH 103 Introduction to Archeology
ANTH 303 Archeological Field Excavation in Prehistoric Sites in New England ................................................. 3
or
ANTH 328 Archeology of North America
ANTH 410 Public Archeology ................................................. 3

Suggested Electives:
HIST 440 Topics in United States History: Public History
HIST 441 United States History: The Colonial Period 1607-1763
HIST 460 History of American Indians since 1914
HIST 461 American Immigration and Ethnicity
HIST 464 New England Textile Communities: Social and Economic History
POLI 277 American Government: State and Local
SOCI 206 Cities and People: Urban Sociology
SOCI 315 Race and Ethnicity in America

For further information students should contact Dr. Leonid Heretz, Chairperson, Department of History.

HONORS PROGRAM

The honors program in history provides highly motivated history majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in history. Contact the Department of History for further information concerning eligibility and application.

GRADUATE PROGRAMS

MASTER OF ARTS IN TEACHING HISTORY

The Master of Arts in Teaching degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. The MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations. This degree program will also appeal to secondary school teachers who already hold a standard level or professional license and want to acquire additional knowledge and a master’s degree in the discipline.

Students should consult the “School of Graduate Studies” section of the catalog for information regarding graduate program policies and procedures.

Admission Requirements
1.) A 2.75 undergraduate GPA based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years.
2.) A composite score of 900 on the quantitative and verbal parts of the GRE General Test.
3.) An initial teaching license.
4.) Three appropriate letters of recommendation

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under “Graduate Advisers and Graduate Program Planning” in the “School of Graduate Studies” section of this catalog.

Program Requirements

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

Education Core Courses

| EDMC 530 The Teacher as Researcher | 3 |
| EDMC 531 The Standards-Based Classroom: Curriculum | 3 |
EDMC 532 The Teacher as Leader: From Issues to Advocacy .................. 3
EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners .......... 3
EDMC 538 The Professional Teacher (final program course) .................................................. 3

Concentration Electives .................................................. 18
MAT students are expected to have, or acquire in addition to degree requirements, an appropriate background of college level courses in history, to be determined by the department.

A minimum of 18 approved graduate credits in the academic area of concentration, which meet the academic and professional objectives of the student, is required.

Each student must pass a comprehensive examination prior to being eligible to receive the Master of Arts in Teaching degree.

Total minimum credits: 34

For program details, candidates should consult the Department of History's graduate program coordinator, Dr. Keith Lewinstein.
Mathematics and Computer Science

**Faculty**

**Chairperson:** Associate Professor Richard Quindley

**Graduate Program Coordinators:** Professor Glenn Pavlcek (Computer Science), Professor Philip Scalis (Mathematics)

**Professors:** Hang-Ling Chang, Zon-I Chang, Paul Fairbanks, Walter Gleason, Thomas Moore, Uma Shama

**Associate Professors:** Mahmoud El-Hashash, Ward Heilman, Torben Lorenzen, Michael Makokian, John Nee

**Assistant Professors:** Heidi Burgiel, Shannon Lockard, Lee Mondschein, John Santore, Abdul Sattar

**Instructor:** Rebecca Metcalf

**Department Telephone Number:** 508.531.1342

**Location:** Hart Hall, Room 215

**Web site:** www.bridgew.edu/depts/mathcs/

**Degree Programs**

- BS in Mathematics
- BS in Computer Science
- MAT - Mathematics
- MS in Computer Science

**Undergraduate Minors**

- Actuarial Science*
- Computer Science
- Mathematics

- Interdisciplinary Minor

**Undergraduate Programs**

**Bachelor of Science in Mathematics**

Since mathematics is both a cultural and a technical field of study, the curriculum is planned with the following objective:

1. to introduce students to mathematics as an important area of human thought;
2. to prepare students for careers in industry;
3. to give preparation to students for graduate study in mathematics and related fields;
4. to prepare students planning to teach mathematics on the secondary level;
5. to serve the needs of students in fields which rely on mathematics, e.g., experimental sciences, social sciences, and elementary education.

Note: The Bachelor of Arts in Mathematics is inactive.

**Double Major with Elementary Education or Early Childhood Education**

Students may choose a double major in mathematics and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested course sequences are available.

**Minor in Secondary Education (High School, Middle School, or PreK-12 Specialist)**

Students may minor in secondary education (high school, middle school or PreK-12 specialist). Successful completion of this minor will lead to Massachusetts Initial Teacher Licensure. Please refer to the "Department of Secondary Education and Professional Programs" for specific teacher licensure and program requirements.

**Bachelor of Science in Computer Science**

This program provides a broad background in computer science and will serve as preparation for employment in computer applications or for graduate studies in the field.

The department participates in a number of multidisciplinary programs for students preparing for careers in medicine, dentistry or oceanography. Additional information on these programs may be found in the section "Interdisciplinary and Preprofessional Programs."

Note: The Bachelor of Arts in Computer Science is inactive.

**Mathematics Major**

All majors are required to take:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 151-152 Calculus I-II</td>
<td>6</td>
</tr>
<tr>
<td>MATH 202 Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 251-252 Calculus III-IV</td>
<td>6</td>
</tr>
<tr>
<td>MATH 301 Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 401 Introduction to Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>COMP 101 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 243-244 General Physics I-II</td>
<td>8</td>
</tr>
</tbody>
</table>

Five electives from any 300 or 400 level courses except MATH 318. PHYS 403 Mathematical Physics may be taken as one of these five electives. Majors preparing for secondary school teaching careers must take MATH 403 Probability Theory, MATH 408 History of Mathematics, and MATH 354 Introduction to Modern Geometry or
MATH 325 Foundations of Geometry as three of the five electives. 

Note: Not more than one grade in the D range (D+, D, D-) among the five courses MATH 151, MATH 152, MATH 202, MATH 251, and MATH 252 shall be accepted in partial fulfillment of the requirements for the major in mathematics. A student receiving a second grade in the D range in one of the above courses must repeat the course with the higher number and receive a C- or better before being allowed to enroll in other mathematics courses.

Note: Students who are contemplating majoring in mathematics or computer science should be aware of the sequential nature of the course offerings. In order for students to plan their programs so that degree requirements may be completed within a four-year period, students should consult with the chairperson of the department or their adviser as soon as possible.

Total minimum credits: 48

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

MATHEMATICS MINOR
A minimum of 18 hours is required. Students must satisfy the following three requirements:

1. MATH 151-152 Calculus I-II .............................................. 6
   or
   MATH 141-142 Elements of Calculus I-II

2. One course from among the following: .................................. 3
   MATH 120 Introduction to Linear Algebra
   MATH 202 Linear Algebra
   MATH 214 Introduction to Modern Algebra

3. Three additional courses from among the following: ............. 9
   MATH 110 Elementary Statistics I
   MATH 120 Introduction to Linear Algebra
   MATH 130 Discrete Mathematics I
   MATH 200 Probability and Statistics
   MATH 202 Linear Algebra
   MATH 214 Introduction to Modern Algebra
   MATH 216 Analytic Geometry
   MATH 251 Calculus III
   MATH 252 Calculus IV
   any 300 or 400 level MATH courses (including MATH 318)

Students who take one course from any of the following pairs of courses may not take the other course of that pair for credit towards the minor:

MATH 110 and MATH 200
MATH 120 and MATH 202
MATH 214 and MATH 301

Students may elect to take MATH 220 Introduction to Calculus to satisfy #1. Students who do so must take four courses to satisfy #3 although they may use up to two courses from among MATH 105 Selected Topics in Mathematics, MATH 107 Principles of Mathematics I, and MATH 108 Principles of Mathematics II to satisfy that requirement.

Total minimum credits: 18

ACTUARIAL SCIENCE MINOR
This interdisciplinary minor, drawing from both high-level mathematics courses and finance courses is, ideally suited for mathematics majors or accounting and finance majors who are interested in preparing for the actuarial science exam and in pursuing a career as an actuarial or in a related area.

CREDITS
ACFI 240 Principles of Accounting I ...................................... 3
ACFI 241 Principles of Accounting II ..................................... 3
ACFI 385 Managerial Finance ............................................... 3
MATH 151 Calculus I ........................................................ 3
MATH 152 Calculus II ....................................................... 3
MATH 251 Calculus III ..................................................... 3

Choose one course from the following: .................................. 3
ACFI 476 Insurance and Risk Management
ACFI 490 Investments
MATH 403 Probability Theory

Note: Accounting and finance majors may not choose ACFI 476 or ACFI 490 to satisfy the minor requirements. Mathematics major may not choose MATH 403 to satisfy the minor requirements.

Total minimum credits: 21

COMPUTER SCIENCE MAJOR
All majors are required to take the following courses: 

CREDITS
COMP 101 Computer Science I ............................................... 3
COMP 102 Computer Science II ........................................... 3
COMP 206 Introduction to Computer Organization .................... 3
COMP 330 Data Structures and Algorithms ................................ 3
COMP 340 Organization of Programming Languages .................. 3
COMP 350 Operating Systems ............................................. 3
COMP 430 Computer Networks ............................................. 3
COMP 435 Analysis of Algorithms ......................................... 3
COMP 442 Object-Oriented Software Engineering .................... 3
COMP 470 Introduction to Artificial Intelligence ..................... 3
MATH 120 Introduction to Linear Algebra ................................ 3
MATH 130 Discrete Mathematics I ......................................... 3

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Mathematics and Computer Science

MATH 151-152 Calculus I - II ............................................ 6
MATH 200 Probability and Statistics .................................. 3

At least four elective courses (12 credit hours) must be
selected from: ..................................................................... 12
Any COMP courses at the 300-400 level (except
COMP 410 Database Applications and those
required above)
MATH 415 Numerical Analysis
PHYS 442 Digital Electronics I

12 credit hours in the natural sciences including one of the
following sequences: ......................................................... 12
Biol 121-122 General Biology I-II
CHEM 131-132 Survey of Chemistry I-II
CHEM 141-142 Chemical Principles I-II
PHYS 181-182 Elements of Physics I-II
PHYS 243-244 General Physics I-II

Not more than one grade in the D range (D+, D, D-) among the four
courses COMP 101, COMP 102, COMP 206 and COMP 330 shall
be accepted in partial fulfillment of the requirements for the major
in computer science. A student receiving a second D in one of the
above must repeat the course with the higher number and receive a
C- or better before being allowed to enroll in other computer science
courses.

Any computer science major who has successfully completed COMP
102 will not be allowed to take COMP 100 or COMP 105 for aca-
demic credit.

Total minimum credits: 69

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These
earned hours include Core Curriculum Requirements as specified in
the "Undergraduate Academic Programs" section of this catalog.
For additional graduation requirements, see the "Undergraduate
Academic Policies" section of this catalog.

Computer Science Minor

COMP 101 Computer Science I ............................................ 3
COMP 102 Computer Science II ........................................ 3
COMP 201 Assembly Language Programming .................... 3
and three additional courses to be selected from: .................. 9
PHYS 442 Digital Electronics I
or any course counting toward the computer science
major

Total minimum credits: 18

Honors Program
The honors program in mathematics and computer science
provides highly motivated mathematics and computer science
majors with opportunities to enhance their academic program
through intensive scholarly study and research designed to be of
assistance in post-graduate employment or in the pursuit of an
advanced degree in mathematics or computer science. Contact
the Department of Mathematics and Computer Science for
further information concerning eligibility and application.

Graduate Programs

Master of Science in Computer Science

The Master of Science in Computer Science is intended to meet
the growing need for high-level computer professionals by:

- strengthening the preparation of individuals currently
  working in computer-related fields;
- training professionals in other areas who wish to apply
  computer science to their respective fields or who desire
  to retrain for entry in a computer science career;
- providing the necessary general and theoretical
  background for those individuals who wish to continue
  graduate study in computer science beyond the master’s
degree.

The program consists of 30 credits and may be completed
entirely on a part-time basis (courses are offered in the late
afternoon or evening).

Admission Requirements

1.) A minimum undergraduate GPA of 2.75 based
upon four years of work or a 3.0 undergraduate
GPA based upon work completed during the
junior and senior years
2.) A composite score of 900 on the quantitative
and verbal parts of the GRE General Test
3.) Three appropriate letters of recommendation
4.) Official transcripts of all undergraduate and
graduate course work

The Master of Science in Computer Science program seeks to
attract individuals from various backgrounds who are highly
motivated and prepared to meet the challenges of a rigorous
advanced degree curriculum. In addition to a bachelor’s degree,
alumni should be familiar with the organization of compu-
ters and have competencies in:

- a high-level programming language such as C, C++, or
Java;
- discrete and continuous mathematics;
- data structures and algorithms.

Demonstrated competencies within these areas can be
achieved through professional experience, undergraduate
study, or transitional graduate coursework. Students who do
not already have a computer science degree should contact the program coordinator to determine their level of preparedness.

**Program Requirements**
Candidates must successfully complete each of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COMP 520 Operating Systems Principles</td>
<td>3</td>
</tr>
<tr>
<td>COMP 540 Automata, Computability, and</td>
<td>3</td>
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<tr>
<td>Formal Languages</td>
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<tr>
<td>COMP 545 Analysis of Algorithms</td>
<td>3</td>
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<tr>
<td>COMP 560 Artificial Intelligence</td>
<td>3</td>
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<tr>
<td>COMP 590 Computer Architecture</td>
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</tbody>
</table>

Candidates must successfully complete five courses from among the following: 15

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COMP 510 Topics in Programming Languages</td>
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<tr>
<td>COMP 525 Design and Construction of Compilers</td>
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<td>COMP 530 Software Engineering</td>
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<td>COMP 536 Graphics</td>
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<td>COMP 550 Topics in Discrete Mathematics</td>
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<td>COMP 562 Expert Systems</td>
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<td>COMP 565 Logic Programming</td>
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<td>COMP 570 Robotics</td>
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<td>COMP 575 Natural Language Processing</td>
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<td>COMP 580 Database Systems</td>
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<td>COMP 582 Distributed Database Systems</td>
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<td>COMP 594 Computer Networks</td>
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<tr>
<td>COMP 596 Topics in Computer Science*</td>
<td></td>
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<tr>
<td>COMP 599 Computer Science Seminar</td>
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</tbody>
</table>

*Topics in Computer Science (COMP 596) has recently addressed issues such as human-computer interaction, bioinformatics, computer security, computer vision and computer learning systems.

At the conclusion of the program, candidates will have the option of sitting for a comprehensive written exam which incorporates subject matter from the five required courses or completing a capstone project that allows candidates to pursue an area of interest in depth.

Total minimum credits: 30

**Master of Arts in Teaching Mathematics**
The Master of Arts in Teaching degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. The MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations. This degree program will also appeal to secondary school teachers who already hold a standard level or professional license and want to acquire additional knowledge and a master’s degree in the discipline.

Students should consult the “School of Graduate Studies” section of the catalog for information regarding graduate program policies and procedures.

**Admission Requirements**
1. A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years.
2. A composite score of 900 on the quantitative and verbal parts of the GRE General Test.
3. An initial teaching license.
4. Three appropriate letters of recommendation.
5. Official transcripts of all undergraduate and graduate course work.

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under “Graduate Advisers and Graduate Program Planning” in the “School of Graduate Studies” section of this catalog.

**Program Requirements**

<table>
<thead>
<tr>
<th>Program</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

**Education Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom:</td>
<td></td>
</tr>
<tr>
<td>Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom:</td>
<td></td>
</tr>
<tr>
<td>Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final</td>
<td></td>
</tr>
<tr>
<td>program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Electives**

MAT students are expected to have, or acquire in addition to degree requirements, an appropriate background of college level courses, to be determined by the department.

A minimum of 18 approved graduate credits in the academic area of concentration, which meet the academic and professional objectives of the student, is required.

Successful completion of a comprehensive examination in the six required courses or a capstone project approved by the department is also required.

Total minimum credits: 34

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**SCHOOL OF ARTS AND SCIENCES**

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Music

Faculty
Chairperson: Associate Professor Sail Sachdev
Graduate Program Coordinator: Professor Carol Nicholeris
Professor: Jean Kreiling
Associate Professor: Steven Young
Assistant Professor: Deborah Nemko

Department Telephone Number: 508.531.1377
Location: Maxwell Library, Room 313A
Website: www.bridgew.edu/depts/music

Degree Programs
• BA in Music
  Concentration: Music Education
• MAT – Music Education

Undergraduate Minor
• Music

Undergraduate Programs
Bachelor of Arts
The music department offers a major within the framework of a Bachelor of Arts degree. The overarching goal of the program is to provide a solid foundation in music history, theory and performance within a liberal arts context, and by so doing prepares students who wish to pursue a variety of interests, including further study in music and Massachusetts Teacher Licensure.

In addition, the Music Department offers a minor for those students pursuing a BA or BS degree in other majors, as well as courses that satisfy the college-wide Core Curriculum Requirements. Private instruction is given in piano, guitar, voice and orchestral and band instruments; a performance study fee is charged for these lessons. Performing organizations are also available for both singers and instrumentalists.

A student wishing to major or minor in music should consult with the department chairperson as early as possible. Certain courses may be waived pending consultation with the music department chairperson and/or completion of proficiency tests.

Music Major
Audition Requirement
A formal audition is required for acceptance into the music major. There is no audition requirement for acceptance into the music minor. Auditions are held in February, May and November. Completed audition forms must be received by the music department two weeks prior to the audition date. To obtain forms, or additional information, contact Dr. Carol Nicholeris, audition coordinator, at 508.531.2040.

Instrumentalists must proficiently execute the following:
• Major scales up to four sharps and flats and chromatic scale two octaves from memory
• Sight-reading
• A three to five minute prepared solo, with or without accompaniment
• A selection in a contrasting style

Singers must proficiently execute the following:
• An unaccompanied major scale on a neutral syllable
• Sight-reading
• An art-song or aria
• A selection in a contrasting style

Accompanist must be provided by the student.

Within 10 days of the audition, the candidate will be notified of his/her status. He/she will be:

1. accepted into the major.
2. conditionally accepted into the major.
   • The student may repeat an audition more than once on a scheduled audition or jury day
   • The student must pass the audition within one year or not be accepted as a music major
3. not accepted to the major.
   A student who auditions and is not accepted as a music major:
   • may audition only once more
   • may not take courses with a MUSC prefix other than to fulfill Core Curriculum Requirements
   • may select music as a minor

Students with questions concerning the suitability of audition material should contact Dr. Carol Nicholeris at 508.531.2040 or e-mail: cnicholeris@bridgew.edu.

A student majoring in music must earn 49 credits by combining required courses and electives. In addition, a piano proficiency examination, which addresses basic competencies, must be passed. Specific musical examples and guidelines are available from the music department chair. Alternatively, the proficiency requirements may be met by successful completion of MUSC 440. The Department of Music will permit its majors to use only one passing grade below C- to satisfy requirements in the music major (including both the required core courses and
electives). An additional grade below C- will require the student to take another music course, chosen in consultation with his or her adviser. The required core courses are designed to develop competence in theory, history, musicianship, and performance.

MUSC 162 Music in African Culture .................................................. 3
MUSC 163 Music of the Non-Western World ........................................ 3
MUSC 270 Sight-Singing and Ear-Training I ........................................ 3
MUSC 271 Music Theory I ............................................................... 3
MUSC 272 Sight-Singing and Ear-Training II ........................................ 3
MUSC 273 Music Theory II ............................................................... 3
MUSC 281 Music History I ................................................................. 3
MUSC 282 Music History II ................................................................. 3
MUSC 351 Conducting ........................................................................ 3
MUSC 372 Form and Analysis I: 1700-1900 ............................................ 3
MUSC 472 Form and Analysis II: ......................................................... 3
The Twentieth Century

Ensembles: ...................................................................................... 7
MUSC 109 Beginning African Drumming Ensemble
MUSC 111 Marching Band
MUSC 113 Jazz Band
MUSC 115 Instrumental Ensemble
MUSC 118 Chorale
MUSC 119 Vocal Ensemble
MUSC 183 String Ensemble

Note: Students may apply only one ensemble credit per semester toward the major. No more than 3 credits may be taken in MUSC 111 and no more than 2 credits can be taken in MUSC 109 or MUSC 115.

Students are expected to meet music technology requirements by either demonstrating proficiency in music technology or by taking MUSC 191 Introduction to Music Technology prior to taking MUSC 271 Music Theory I.

Performance Studies (6 credits, including at least one semester at the 300 level): ................................................. 6
MUSC 121, 221, 321, 421 Brass
MUSC 122, 222, 322, 422 Percussion
MUSC 123, 223, 323, 423 Strings (Violin, Viola)
MUSC 124, 224, 324, 424 Woodwinds
MUSC 125, 225, 325, 425 Guitar
MUSC 126, 226, 326, 426 Strings (Cello, Bass)
MUSC 131, 231, 331, 431 Voice (Singing)
MUSC 141, 241, 341, 441 Piano

Music History Elective from: .......................................................... 3
MUSC 363 Music of Bach, Handel, and Vivaldi (Writing Intensive in the Major Core Curriculum Requirement-CWRM)
MUSC 364 Music of the Classical and Romantic Periods (Writing Intensive in the Major Core Curriculum Requirement-CWRM)
MUSC 367 Music by Women Composers (Writing Intensive in the Major Core Curriculum Requirement-CWRM)
MUSC 369 Music of the Twentieth Century

Elective: ....................................................................................... 3
The remaining history electives above
or MUSC 371 Counterpoint
MUSC 373 Composition I
MUSC 374 Composition II
MUSC 399 Special Topics in Music
MUSC 456 Methods in Music Education
MUSC 499 Directed Study in Music

Piano Proficiency Requirement: Completion of MUSC 440 Advanced Keyboard Skills with a grade of "C" or above.

Recital Requirement:
All music majors must attend a specific, assigned number of on-campus recitals every semester they are registered as music majors. (Recitals in which the student is performing will not be counted toward this requirement.) Specifics concerning these recitals (which will generally include First Friday recitals, Faculty Artist Series recitals, and student recitals), along with the minimum number required, will be posted in the Music Department at the start of each semester. A student who fails to meet the minimum requirement for every semester he or she is enrolled as a music major will not be permitted to graduate as a music major.

Total minimum credits: 49

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Music Education Concentration
The music department offers a music education concentration, which allows prospective music educators to earn a bachelor of arts degree in music with a concentration in music education. This program is designed for students who wish to earn Massachusetts state licensure for teaching Music (all levels) within their undergraduate experience.

The following courses are required to complete the music education concentration:

MUSC 270 Sight-Singing and Ear-Training I ........................................ 3
MUSC 271 Music Theory I ................................................................. 3
MUSC 273 Music Theory II ............................................................... 3
Music

MUSC 281 Music History I .............................................................................. 3
MUSC 282 Music History II .......................................................................... 3
MUSC 372 Form and Analysis I: 1700-1900 ............................................. 3

• Cognate Requirements
  MUSC 166 Survey of American Jazz ...................................................... 3
  PSYC 227 Development through the Life Cycle .................................. 3
  SPED 203 Cultural Diversity Issues in School and Society ............... 3

Note: Some of the required courses listed above also fulfill certain Core Curriculum Requirements.

5 credits from ensembles* ................................................................. 5
MUSC 112 Wind Ensemble
MUSC 113 Jazz Band
MUSC 115 Instrumental Ensemble
MUSC 118 Chorale
MUSC 119 Vocal Ensemble
MUSC 183 String Ensemble

• 4 credits in performance studies. At least one semester at the 300 level and at least one semester in a secondary performance medium (voice for an instrumentalist; instrument for vocalist) must be completed ................................................................. 4
  MUSC 121, 221, 321, 421 Brass
  MUSC 122, 222, 322, 422 Percussion
  MUSC 123, 223, 323, 423 Strings (Violin, Viola)
  MUSC 124, 224, 324, 424 Woodwinds
  MUSC 125, 225, 325, 425 Guitar
  MUSC 126, 226, 326, 426 Strings (Cello, Bass)
  MUSC 131, 231, 331, 431 Voice (Singing)
  MUSC 141, 241, 341, 441 Piano

• additional required courses:
  MUSC 351 Conducting ......................................................................... 3
  MUSC 375 Orchestration and Arranging (instrumental emphasis) ....... 3
  or
  MUSC 455 Creative Activities in Elementary School Music
    (vocal emphasis)
  MUSC 388 Instrumental Techniques .................................................... 3
  MUSC 456 Methods in Music Education ............................................. 3
  MUSC 483 Choral Techniques .............................................................. 3
  MUSC — Music History elective ......................................................... 3

Students seeking Initial Licensure must also declare a minor in secondary education and complete the following courses:
(See the “Secondary Education and Preprofessional Programs” section of this catalog)
EDHM 210 Introduction to Teaching .................................................... 3
EDHM 235 Learning and Motivation ..................................................... 3
EDHM 335 Assessment and Planning .................................................. 3
EDHM 413 Strategies for Teaching Music .......................................... 3
EDHM 445 Content Area Reading, Writing and Study Skills .......... 3
EDHM 490 Student Teaching ............................................................. 12

* Students seeking Initial Licensure in music will be required to participate in a large ensemble (Wind or Chorale) for a minimum of 6 semesters of which only 5 semesters must be for credit.
** As a minimum prerequisite to student teaching, students will be required to pass a Music Education Piano Proficiency Exam, which may necessitate private lessons.

Total minimum credits: 87

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION
Students may choose a double major in music and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested course sequences are available.

MINOR IN EDUCATION (ALL LEVELS)
Students minoring in education must refer to the "Department of Secondary Education and Professional Programs" for specific requirements, and consult with the Music Department for additional information.

MUSIC MINOR

Credits

Required courses:
  MUSC 140 Class Piano I ................................................................. 3
  MUSC 270 Sight-Singing and Ear-Training I .................................... 3
  or
  MUSC 272 Sight-Singing and Ear-Training II
  MUSC 271 Music Theory I ............................................................ 3
  MUSC 281 Music History I ............................................................. 3
  or
  MUSC 282 Music History II

Three credits in ensembles (MUSC 112, 113, 115, ............. 3
  118, 119, 183)*

Six additional credits from among the following:
Performance Studies: (maximum four credits – at least one credit at the 300 level of study) .................................................. 6
  MUSC 121, 221, 321, 421 Brass
  MUSC 122, 222, 322, 422 Percussion
  MUSC 123, 223, 323, 423 Strings (Violin, Viola)
  MUSC 124, 224, 324, 424 Woodwinds
  MUSC 125, 225, 325, 425 Guitar
  MUSC 126, 226, 326, 426 Strings (Cello, Bass)
  MUSC 131, 231, 331, 431 Voice (Singing)
  MUSC 141, 241, 341, 441 Piano
MUSC 130 Voice Class I
or
MUSC 230 Voice Class II
MUSC 162 Music in African Culture
MUSC 166 Survey of American Jazz
MUSC 167 The Music of Black Americans
MUSC 240 Class Piano II
MUSC 272 Sight-Singing and Ear-Training II
MUSC 273 Music Theory II
MUSC 274 Creating Music
MUSC 281 Music History I
or
MUSC 282 Music History II
MUSC 364 Music of the Classical and Romantic Periods
MUSC 366 American Music of the Twentieth Century
MUSC 367 Music by Women Composers
MUSC 371 Counterpoint
MUSC 372 Form and Analysis I: 1700-1900
MUSC 399 Special Topics in Music
MUSC 499 Directed Study in Music

Total minimum credits: 21

GRADUATE PROGRAMS

POSTBACCAULAUREATE PROGRAM: INITIAL LICENSURE - TEACHER OF MUSIC

In conjunction with the School of Education and Allied Studies and the School of Graduate Studies, the Department of Music offers a postbaccalaureate program which qualifies a music graduate to obtain Massachusetts initial licensure as a teacher of music at the PreK-12 grade level (vocal, instrumental, general).

For additional current information concerning this program, contact the Music Department.

MASTER OF ARTS IN TEACHING MUSIC EDUCATION

Admission Requirements
1) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during junior and senior years.
2) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3) A bachelor’s degree in music
4) An initial teaching license and teaching experience in the field of music
5) Three appropriate letters of recommendation
6) A passing score on the music department proficiency test and either a formal audition or a video of the applicant’s teaching and/or conducting
7) Demonstrated proficiency in the use of technological applications for music education as assessed by the department’s technology specialist
8) MAT applicants are expected to have, or acquire in addition to degree requirements, an appropriate background of college level courses, to be determined by the department. (Appropriate background for a music concentration would include theory, history, ear training/sight singing, conducting, and piano proficiency.)
9) A candidate for this program will be expected to have taken at least one course in general music methods prior to enrolling in this program. A candidate missing such background may take either MUSC 456 Methods in Music Education or MUSC 455 Creative Activities in Elementary School Music in addition to regular program requirements.
10) Official transcripts of all undergraduate and graduate course work

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Music Courses

MUSC 552 Seminar in Music Education Problems | 3
MUSC 558 Orff Schulwerk Teacher Training: Level I (MUSC 559 Orff Schulwerk Teacher Training: Level II or MUSC 562 Orff Schulwerk Teacher Training: Level III may be substituted for this course) | 3
MUSC 559 Orff Schulwerk Teacher Training: Level II | 3
or
MUSC 503 Directed Study
MUSC 564 Music in the Arts: A Cultural Perspective | 3
MUSC 569 Foundations in Music Education | 3
MUSC 575 Techniques for Arranging Classroom and Concert Music | 3

Successful completion of a comprehensive examination is also required.

Total minimum credits: 33

SCHOOL OF ARTS AND SCIENCES

Note: See Catalog Web Addenda at www.bridge.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
UNDERGRADUATE PROGRAMS

PHILOSOPHY MAJOR
A minimum of ten philosophy courses (30 credits) is required. A grade of "C" or higher is required in all philosophy course work contributing to the major.

- One three-credit 100-level philosophy course .......................... 3

- At least one of the following courses in logic is required: ..................................................... 3
  PHIL 201 Rational Thinking
  PHIL 310 Symbolic Logic

- At least two of the following courses in the history of philosophy are required: ......................... 6
  PHIL 301 Plato and Aristotle
  PHIL 303 Major Modern Philosophers
  PHIL 305 American Philosophy

- At least two of the following area courses are required: .......................................................... 6
  PHIL 402 Knowledge and Truth
  PHIL 403 Ethics and Action
  PHIL 404 Mind and Language

- PHIL 450 Senior Seminar in Philosophy (Writing Intensive in the major Core Curriculum Requirement-CWRM) is required .......................................................... 3

- At least three additional courses in philosophy are required ...................................................... 9

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Total minimum credits: 30

APPLIED ETHICS CONCENTRATION
Fulfill requirements for the philosophy major with at least four courses from the following distribution:

PHIL 203 Happiness and the Meaning of Life
PHIL 204 Sex and Personal Relations
PHIL 205 Medical Ethics
PHIL 210 Liberation Ethics
PHIL 322 Philosophy of Law
PHIL 330 Amoralism, Egoism, and Altruism
PHIL 334 Free Will, Determinism and Responsibility

Total minimum credits: 12

Faculty
Chairperson: Associate Professor Aeon Skoble
Professors: Robert Fitzgibbons, Edward James, Francine Quaglio
Associate Professor: Catherine Womack
Assistant Professor: Laura McAlinden
Instructor: William Devlin

Department Telephone Number: 508.531.1379
Location: Tillinghast Hall, Room 341
Web site: www.bridgew.edu/Philosophy

Degree Program
- BA in Philosophy
  Concentration: Applied Ethics

Undergraduate Minor
- Philosophy

The Department of Philosophy offers a major leading to the Bachelor of Arts degree. A minor in philosophy is also available. The program in philosophy provides a solid foundation for entry into careers such as law, journalism, college teaching, management, and medical ethics, as well as preparation for graduate work in philosophy and related disciplines.

The study of philosophy involves the development of a broad range of analytical, interpretive, evaluative and critical abilities as they are applied to a variety of theoretical and practical human concerns. Courses in the problems, history, and methods of philosophy as a mode of critical thinking deal with questions about the priority of values, the status of knowledge, truth, and consciousness, the nature of art, religion, science and politics.

The department offers numerous opportunities for students to excel, provides models of intellectual excellence, and fosters an atmosphere of mutual respect and open-mindedness. Faculty advisers work closely with students who wish to plan a course of study within the philosophy program. Academically talented students should contact the department chairperson for details about its honors program. Extracurricular activities include the Philosophy club, which gives students from all majors a chance to discuss philosophical topics in an open and constructive manner. The Club also sponsors the Bridgewater Journal of Philosophy, which publishes student research and essays.
PHILOSOPHY MINOR
For a minor in philosophy, a student must complete six philosophy courses (18 credits). Interested students should contact the chairperson in order to discuss an individual program relevant to their academic majors.

Total minimum credits: 18

DOUBLE MAJORS
Philosophy is an excellent double major in that it enriches the questions and theoretical orientation of any other discipline. Interested students, particularly those majoring in education, should contact the chairperson in order to discuss an individual program.

PHILOSOPHY DEPARTMENTAL HONORS PROGRAM
The Philosophy Departmental Honors Program encourages students to excel in philosophy, to provide models and guidance for pursuing excellence, and to honor those students who demonstrate excellence. To be accepted into the departmental honors program, a student must be a philosophy major and fulfill the following criteria at the time of application to the philosophy honors program:

- A 3.3 GPA for all philosophy courses to be used toward a Bridgewater State College degree with a minimum of three philosophy courses completed.
- A 3.3 GPA for all completed course work to be used for a Bridgewater State College degree.
- At least 60 credits completed toward an undergraduate degree.

For additional information concerning the departmental honors program in Philosophy, please contact the department chairperson.

The philosophy department has a chapter of Phi Sigma Tau, the international honors society for philosophy. Membership is open, regardless of major, to sophomores and higher with a 3.0 average in two or more philosophy classes and a 3.2 cumulative GPA. Members receive a certificate and are eligible to wear a sash indicating membership as part of their graduation regalia.

GRADUATE PROGRAMS
The department does not currently offer a graduate program. However, philosophy courses at the 400 level, with the exception of PHIL 499, may be taken for graduate credit with the consent of the Department of Philosophy.

1 Upon admission to the departmental honors program, a student's philosophy major advisor will assume responsibility for advising the student in respect to the honors program.

2 Students entering the Honors Program at or near the minimum GPA for admission should be aware that achieving higher grades in future philosophy courses will be necessary in order to eventually reach the 3.5 GPA in philosophy required for completing the Honors Program.
The physics major offers two physics concentrations: a professional physics concentration and a general physics concentration. Both concentrations have a core set of several physics courses along with cognate courses in mathematics and chemistry.

**Physics Core**

All physics majors take the physics core.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 243-244 General Physics I-II</td>
<td>8</td>
</tr>
<tr>
<td>PHYS 401 Modern Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 402 Quantum Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 414 Experimental Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 438 Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 439 Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>Core Cognates:</td>
<td></td>
</tr>
<tr>
<td>CHEM 141-142 Chemical Principles I-II</td>
<td>8</td>
</tr>
<tr>
<td>MATH 151-152 Calculus I-II</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total minimum credits:</strong></td>
<td><strong>38</strong></td>
</tr>
</tbody>
</table>

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**Professional Physics Concentration**

The physics major with a professional physics concentration is designed to meet the needs of students going to graduate school in physics or a related field, or jobs in science or engineering.

**Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Physics core courses</td>
<td>24</td>
</tr>
<tr>
<td>Physics core cognates</td>
<td>14</td>
</tr>
</tbody>
</table>

**Electives:** 12 credit hours of physics electives above the 100 level from the list below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHYS 403 Mathematical Physics</td>
<td></td>
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<tr>
<td>PHYS 405 Nuclear Physics</td>
<td></td>
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<tr>
<td>PHYS 409 General Relativity and Cosmology</td>
<td></td>
</tr>
<tr>
<td>PHYS 422 Computer Simulation in Physical Science</td>
<td></td>
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<tr>
<td>PHYS 433 Thermal Physics</td>
<td></td>
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<tr>
<td>PHYS 435 Optics</td>
<td></td>
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<tr>
<td>PHYS 442 Digital Electronics I</td>
<td></td>
</tr>
<tr>
<td>PHYS 458 Advanced Electricity and Magnetism</td>
<td></td>
</tr>
<tr>
<td>PHYS 459 Advanced Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHYS 460 Advanced Quantum Mechanics</td>
<td></td>
</tr>
<tr>
<td>PHYS 498 Internship in Physics</td>
<td></td>
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<tr>
<td>PHYS 499 Directed Study in Physics</td>
<td></td>
</tr>
</tbody>
</table>
Cognates:
MATH 251 Calculus III .............................................. 3
MATH 316 Differential Equations ............................... 3
Total minimum credits: 56

General Physics Concentration
The physics major with a general physics concentration is designed to meet the needs of students seeking jobs in teaching, engineering, industry, computers, finance, biology, medicine, law and many other fields. It also would be an effective major to combine with many of the minors offered at the college. Along with the physics core and physics core cognate courses, the student must take six hours of physics electives from the list below.

Cognates: CREDITS
Physics core courses: ............................................. 24
Physics core cognates ............................................. 14

Physics Electives ..................................................... 6
PHYS 107 Exploring the Universe
PHYS 180 Energy and its Social Uses
PHYS 403 Mathematical Physics
PHYS 405 Nuclear Physics
PHYS 409 General Relativity and Cosmology
PHYS 422 Computer Simulation in Physical Science
PHYS 433 Thermal Physics
PHYS 435 Optics
PHYS 442 Digital Electronics I
PHYS 458 Advanced Electricity and Magnetism
PHYS 459 Advanced Mechanics
PHYS 460 Advanced Quantum Mechanics
PHYS 498 Internship in Physics
PHYS 499 Directed Study in Physics
Total minimum credits: 44

Physics Minor
18 credits in physics acceptable for the physics major.
Total minimum credits: 18

Geophysics Minor
A minor is jointly offered with the Department of Earth Sciences and Geography. For further information contact the department chairpersons.

Double Major with Elementary Education, Early Childhood Education or Special Education
Students may choose a double major in physics and elementary education, early childhood education or special education for licensure purposes. Please contact the Department of Physics and the appropriate education department for further information.

Minor in Secondary Education (High School, Middle School or PreK-12 Specialist)
Students may minor in secondary education (high school, middle school or preK-12 specialist). Successful completion of this minor, the program requirements of either a BA or BS in Physics and PHYS 107 Exploring the Universe will lead to Massachusetts Initial Teacher Licensure. Please refer to the “Department of Secondary Education and Professional Programs” for specific teacher licensure requirements.

Honors Program
The honors program in physics provides highly motivated physics majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in physics. Contact the Department of Physics for further information concerning eligibility and application.

Graduate Programs

Master of Arts in Teaching Physics
The Master of Arts in Teaching Physics degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. This MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations.

Students should consult the “School of Graduate Studies” section of the catalog for information regarding graduate program policies and procedures.

Admission Requirements
1.) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2.) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3.) An initial teaching license
4.) Three appropriate letters of recommendation
5.) Official transcripts of all undergraduate and graduate course work

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under “Graduate Advisers and Graduate Program Planning” in the “School of Graduate Studies” section of this catalog.
Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

Education Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 The Teacher as Researchian</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Concentration Electives

MAT students are expected to have, or acquire in addition to degree requirements, an appropriate background of college level courses, to be determined by the department.

A minimum of 18 approved graduate credits in the academic area of concentration, which meet the academic and professional objectives of the student, is required........ 18

Successful completion of a comprehensive examination is also required.

Total minimum credits: 34

Master of Arts in Teaching General Science

This program is inactive.

Master of Arts in Teaching Physical Science

The MAT Physical Science degree was developed for high school and middle school subject area teachers who have an initial license in chemistry, earth science or physics and are seeking a professional license in the Commonwealth of Massachusetts. This MAT program is designed to meet the "appropriate master's degree" requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent Massachusetts Department of Education Licensure regulations.

Students should consult the "School of Graduate Studies" section of this catalog for information regarding program policy and procedures.

Admission requirements:

1. A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2. A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3. An initial teaching license
4. Three appropriate letters of recommendation
5. Official transcripts of all undergraduate and graduate course work

Program requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education Core Courses</td>
<td></td>
</tr>
<tr>
<td>EDMC 530 The Teacher as Researchian</td>
<td>3</td>
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<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Introductory course

PHSC 501 Problem Solving in Physical Science........................................ 3

Concentration Electives

Twelve (12) credits in electives at least 3 credits from each area........................................ 12

- Chemistry
  - CHEM 512 Microcomputers as Laboratory Instruments
  - CHEM 550 Chemistry and the Environment
  - CHEM 560 Special Topics in Chemistry

- Earth Science
  - EASC 501 Observational Astronomy
  - EASC 504 Observational Meteorology
  - EASC 550 Modern Developments in Earth Science
  - EASC 560 Special Topics in Earth Science

- Physics
  - PHYS 550 Physics for Teachers: A Modern Review
  - PHYS 560 Special Topics in Physics Teaching
  - PHYS 581 The Physics of the Environment
  - PHYS 593 Special Topics in Secondary School Science

  or

  PHYS 594 Special Topics in Junior High Science

Capstone course

PHSC 590 Integrated Physical Science.................................................. 3

Total minimum credits: 33
Political Science

**Faculty**

Chairperson: Professor George Serra  
Graduate Program Coordinator: Associate Professor Wendy Haynes  
Professors: Michael Kryzanek, Shaheen Mozaffar  
Assistant Professors: Jordon Barkalow, Brian Frederick, Mark Kemper, Deniz Leuenberger, Margaret Stout  
Instructor: Jodie Kluver

**Department Telephone Number:** 508.531.1387  
**Location:** Summer Street House, Room 101  
**Website:** www.bridgew.edu/PoliSci

**Degree Programs**

- BA in Political Science  
  Concentrations: American Politics, International Affairs, Legal Studies, Public Administration  
- Master of Public Administration (MPA)  
  Concentrations: Financial Administration, Municipal and Regional Development and Management, Nonprofit Administration

**Undergraduate Minors**

- Civic Education and Community Leadership*  
- Political Science  
  * Interdisciplinary minor

**Undergraduate Programs**

**The Political Science Program**

The Department of Political Science offers five programs of study in political science: a political science major (no concentration), a political science major (American politics concentration), a political science major (international affairs concentration), a political science major (legal studies concentration) and a political science major (public administration concentration).

The political science major (no concentration) offers students an understanding of governmental structures and political processes in their own country and in other parts of the world. This program provides a foundation for graduate work in political science, public administration and international affairs, for the study of law, and for professional careers in teaching and in the public and private sectors.

The political science major (international affairs concentration) offers students an understanding of the structures and processes that govern political and economic relations among global actors. This program provides a foundation for graduate work in international politics, international business and economics, international law and organization, and for a professional career in these fields.

The political science major (legal studies concentration) offers students a background for professional careers in the field of law. This program provides a foundation for law school and for paralegal studies.

The political science major (American politics concentration) offers students a broad understanding of American politics. The concentration is designed to provide strong undergraduate scientific education in preparation for entry into advanced degree programs and professional careers in public service, private institutions and political organizations in the United States.

The political science major (public administration concentration) prepares students for a career focus in the public and nonprofit sectors at the federal, state, and local levels. The concentration is designed for those students who wish to pursue a Master of Public Administration degree and/or a career in this field.

**Bachelor of Arts**

The Department of Political Science offers the Bachelor of Arts degree in Political Science.

**Political Science Core Courses**

All political science majors, regardless of their concentration, must complete 21 credits by taking the following core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 172 Introduction to American Government</td>
<td>3</td>
</tr>
<tr>
<td>POLI 260 International Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLI 274 Western Political Thought-Plato to the Present</td>
<td>3</td>
</tr>
<tr>
<td>POLI 275 Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>POLI 277 American Government: State and Local</td>
<td>3</td>
</tr>
<tr>
<td>POLI 350 Research Methods in Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POLI 475 Senior Seminar in Political Science (Writing Intensive in the Major Core Curriculum Requirement-CWRM)</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Only 3 credits in Internship or 3 credits in Directed Study may be applied toward the Political Science major.

Total minimum credits in Political Science core: 21

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

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**SCHOOL OF ARTS AND SCIENCES**

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Political Science

Political Science Major
(No Concentration)
A student choosing the political science major (no concentration) must complete the political science major CORE courses (21 credits) and 15 credits (five courses) at the POLI 300 or 400 level.

Total minimum credits: 36

Political Science Major
(American Politics Concentration)
A student choosing the political science major (American politics concentration) must complete the CORE courses above and the concentration requirements below:

Political Science CORE courses ......................................................... 21

A minimum of one course must be selected from the following concentration requirements: ..................................................... 3
POLI 341 Constitutional Law and Politics: The Powers of Government
POLI 372 Legislative Process and Procedure
POLI 391 The American Presidency

In addition, a minimum of one course must be selected from the following: ................................................................. 3
POLI 375 American Political Parties and Interest Groups
POLI 379 Voters, Elections and Campaigns
POLI 380 Public Opinion and Mass Political Behavior

In addition, students choosing the American politics concentration must select electives (other than those taken in the categories above) from the course menu below to meet the 15 credit requirement of the concentration: ......................................... 9
POLI 341 Constitutional Law and Politics: The Powers of Government
POLI 342 Constitutional Law and Politics: The First Amendment
POLI 343 Constitutional Law and Politics: Liberty and Equality
POLI 344 Constitutional Law and Politics: Rights of the Accused
POLI 372 Legislative Process and Procedure
POLI 375 American Political Parties and Interest Groups
POLI 376 Urban Politics
POLI 379 Voters, Elections and Campaigns
POLI 380 Public Opinion and Mass Political Behavior
POLI 389 Racial Politics in the United States
POLI 391 The American Presidency
POLI 476 Women and Politics
POLI 479 Public Policy
POLI 498 Internship in Political Science (3 credits only)

Total minimum credits: 36

Political Science Major
(International Affairs Concentration)
A student choosing the political science major (international affairs concentration) must complete the CORE courses above and the concentration requirements below:

Credits

Political Science CORE courses .......................................................... 21

POLI 384 United States Foreign Policy ................................................. 3
POLI 473 International Organization ..................................................... 3

Choose one course from the following: ............................................. 3
POLI 370 Canadian Foreign Policy; Actors and Issues
POLI 377 Canadian-American Political Relations
POLI 386 Canadian Politics

Choose one course from the following: ............................................. 3
POLI 330 Asian Politics
POLI 381 United States-Latin American Relations
POLI 382 Latin American Government and Politics
POLI 385 Government and Politics in the Middle East
POLI 387 Government and Politics of Africa
POLI 388 Government and Politics of Eastern Europe

Choose one course from the following: ............................................. 3
POLI 361 International Political Economy
POLI 365 International Politics of the Environment
POLI 455 Totalitarian Political Systems: Dictators and the Reign of Terror
POLI 488 Politics and Development in the Third World
POLI 498 Internship in Political Science (3 credits only)

Total minimum credits: 36

Political Science Major
(Legal Studies Concentration)
A student choosing the political science major (legal studies concentration) must complete the CORE courses above and the concentration requirements below:

Credits

Political Science CORE courses ....................................................... 21

All of the following:
POLI 285 Law and the Judicial Process ............................................ 3
POLI 341 Constitutional Law and Politics: The Powers of Government ..................................................... 3
POLI 372 Legislative Process and Procedure ..................................... 3

One course selected from the following: ............................................ 3
POLI 342 Constitutional Law and Politics: The First Amendment
POLI 343 Constitutional Law and Politics: Liberty and Equality
POLI 344 Constitutional Law and Politics: Rights of the Accused
POLI 495 Administrative Law and Regulation

Total minimum credits: 36
One course selected from the following: ............................. 3
PHIL 235 Human Rights and Human Liberties
PHIL 322 Philosophy of Law
POLI/ECON 340 Law and Economics
POLI 400 Special Topics in Political Science*
POLI 485 Honors Thesis in Political Science*
POLI 498 Internship in Political Science (3 credits only)*

*Credit earned will count toward the legal studies concentration only if a significant portion of the course content or internship is related to the law. A determination as to whether the course or internship meets this requirement will be made by the department chairperson. If the chairperson concludes that the course or internship is not sufficiently related to the law, then the course or internship will not satisfy this requirement of the legal studies concentration.

Total minimum credits: 36

**POLITICAL SCIENCE MAJOR**

**(Public Administration Concentration)**

A student choosing the political science major (public administration concentration) must complete the CORE courses above and the concentration requirements below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 279 Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POLI 390 Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>Three courses selected from the following: ..................................</td>
<td>9</td>
</tr>
<tr>
<td>POLI 201 Citizenship and Community Leadership</td>
<td></td>
</tr>
<tr>
<td>POLI 376 Urban Politics</td>
<td></td>
</tr>
<tr>
<td>POLI 400 Special Topics in Political Science*</td>
<td></td>
</tr>
<tr>
<td>POLI 479 Public Policy</td>
<td></td>
</tr>
<tr>
<td>POLI 495 Administrative Law and Regulation</td>
<td></td>
</tr>
<tr>
<td>POLI 497 Public Policy</td>
<td></td>
</tr>
<tr>
<td>POLI 498 Internship in Political Science (3 credits only)*</td>
<td></td>
</tr>
</tbody>
</table>

*Credit earned will count toward the public administration concentration only if a significant portion of the course content or internship is related to public administration. A determination as to whether the course or internship meets this requirement will be made by the department chairperson. If the chairperson concludes that the course or internship is not sufficiently related to public administration, the course or internship will not satisfy the requirement of the public administration concentration.

Total minimum credits: 36

**DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION**

Students may choose a double major in political science and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested course sequences are available.

**POLITICAL SCIENCE MINOR**

A student may qualify as a political science minor by completing the following requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 172 Introduction to American Government</td>
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</tr>
<tr>
<td>POLI 260 International Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLI 274 Western Political Thought-Plato to the Present</td>
<td></td>
</tr>
<tr>
<td>POLI 275 Comparative Government</td>
<td>3</td>
</tr>
<tr>
<td>Three electives, at least one of which must be at the POLI 300 - 400 level</td>
<td>9</td>
</tr>
</tbody>
</table>

Only 3 credits of internship or directed study may be applied toward the minor.

Total minimum credits: 21

**INTERNSHIP PROGRAM**

An internship program in political science is available to all students, majors and non-majors, who meet the program criteria. A wide range of assignments are available with federal, state and local governments and nonprofit organizations. Assignment to the internship program is based on application to and subsequent selection by the internship supervisor. Application procedures follow college policy (see section on "Internships" in this catalog). To be eligible for an Internship, a Political Science major or minor must have already completed POLI 172 and a 300 level political science course and must receive the consent of the internship supervisor. Non-political science majors and minors must have the approval of their major adviser and the political science internship supervisor and must have taken one political science course. Interns must have achieved at least a junior standing. Credits shall be limited to three unless more are approved by the Department of Political Science. However, only 3 credits may apply to the major or the minor. It is recommended that those students with an interest in the program confer with the internship supervisor as soon as possible in the semester before their proposed internship.

**HONORS PROGRAM**

The Honors Program in Political Science provides highly motivated political science majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in political science. Contact the Department of Political Science for further information concerning eligibility and application.

**PI SIGMA ALPHA**

The Political Science Department has a chapter (the Pi Upsilon Chapter) of Pi Sigma Alpha, the national political science honor society.

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**SCHOOL OF ARTS AND SCIENCES**

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
society. Each year, the political science faculty selects and invites political science majors who are juniors and seniors and who have demonstrated outstanding academic accomplishments to join. Each initiate receives an inscribed certificate of membership.

GRADUATE PROGRAMS

MASTER OF PUBLIC ADMINISTRATION
The Department of Political Science offers the Master of Public Administration (MPA) degree. The MPA program provides professional education to prepare persons for leadership roles in public administration and public affairs at the federal, state and local levels with flexible career opportunities in both the public and nonprofit sectors.

Program Description
Course work
The MPA program accommodates the needs of both pre-career students and in-career professionals by offering alternative program requirements that take into account the student’s academic and professional background. Students with a bachelor’s degree and no professional work experience are expected to complete a 45 credit hour degree program (including six hours of professional internship), while in-career professionals are expected to complete a 39 credit hour program. Up to six hours of appropriate graduate course work taken elsewhere may be transferred into the degree program.

The MPA Curriculum
Both pre-career and in-career students must complete a 24 hour core curriculum component of the degree program. These courses are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 501 Introduction to Public Institutions and Administration</td>
<td>3</td>
</tr>
<tr>
<td>POLI 510 Introduction to Research in Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POLI 511 Program Evaluation and Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>POLI 521 Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>POLI 531 Public Personnel</td>
<td>3</td>
</tr>
<tr>
<td>POLI 532 Organizational Theory and Behavior</td>
<td>3</td>
</tr>
<tr>
<td>for Public and Nonprofit Institutions</td>
<td></td>
</tr>
<tr>
<td>POLI 541 Legislative-Executive Relations</td>
<td>3</td>
</tr>
<tr>
<td>or POLI 542 Administrative Law and Regulation</td>
<td></td>
</tr>
<tr>
<td>POLI 591 Capstone Seminar in Public Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

All students are also required to complete 15 hours of electives of which 3 credits must be in POLI 506 Capstone Seminar in Public Administration professional development module. Pre-career students must complete an additional six hours in POLI 598 Internship in Public Administration. 15

Total minimum credits: 39

Concentrations
There are three areas in which an MPA candidate may concentrate; elective courses are available in each of the areas. As an alternative to earning a degree within a concentration area, students may pursue a generalist MPA track. For students seeking to earn a degree in a concentration, a minimum of three elective courses must be taken in the substantive area. The substantive concentration areas are as follows:

Financial Administration
Municipal and Regional Development and Management
Nonprofit Administration

An additional three hours must be taken in three one-credit professional development modules.

Admission Requirements:
Detailed information about admissions is provided in the "School of Graduate Studies" section of the catalog.

- A bachelor's degree from a four-year accredited college or university; If the degree has not yet been awarded at the time of application, the successful applicant must be nearing completion of the bachelor's degree
- A minimum undergraduate GPA of 2.75, an acceptable GRE score and an interview with the MPA program faculty. To receive a clear admit status, MPA applicants must have a composite score of 900 or greater on the quantitative and verbal parts of the GRE General Test. To receive a conditional acceptance, MPA applicants must have a composite score of 700-899 on the quantitative and verbal parts of the GRE General Test
- A résumé
- Three letters of recommendation should come from professors or practitioners familiar with the student's academic ability. Students failing to meet the standard graduate admissions criteria may also be considered on a conditional basis of acceptance
- Official transcripts of all undergraduate and graduate course work

Contact the School of Graduate Studies to receive a catalog and application material.

Exit Requirement
The MPA program offers some degree of flexibility for exit from this program. All students are required to fulfill an exit requirement, which in most cases will require passing a written comprehensive examination. This one-day examination allows program faculty to test students' mastery of fundamental principles and issues covered in the core curriculum. Students must have completed at least 30 hours of the degree program to sit for the examination and will have two opportunities to pass the examination. In appropriate circumstances, such as a student interested in pursuing further graduate work at
the doctoral level, a master's thesis may be substituted for the comprehensive examination. The master's thesis will be directed by a committee of three faculty members and be covered under the guidelines and regulations of the School of Graduate Studies at Bridgewater State College.

**Distinctive Features of the Program**

**Professional Development Modules**
The program requires that students register for a minimum of three one-credit modules, offered each semester on topics of special relevance to public service. Normally these modules are taught on Saturdays during the semester.

**Internships**
A six-hour internship experience (depending upon professional experience) at the local, state or federal level is required for all pre-professional students and will be available as an elective for those professionals who wish to enhance their background.
Psychology

Faculty

Chairperson: Professor Ruth Hannon
Graduate Program Coordinator: Associate Professor John Calicchia
Professors: Elizabeth Englander, Margaret Johnson, Orlando Olivares, David Richards, Susan Todd
Associate Professors: Sandra Neargarder, Jeffrey Nicholas
Assistant Professors: Jonathan Holmes, Tina Jameson, Teresa King, Amanda Shyne, Melissa Singer, Elizabeth Spievak

Department Telephone Number: 508.531.1385
Location: Hart Hall, Room 325
Web site: www.bridgew.edu/psychology

Degree Programs
- BS in Psychology
  Concentrations: Child Psychology, Industrial and Organizational Psychology, Medical and Health Psychology
- MA - Psychology

Undergraduate Minors
- Psychology
- Forensic Psychology*

*Interdisciplinary Minor

Undergraduate Program

Bachelor of Science
The objectives of the Department of Psychology are to
1) provide all students with an understanding of psychology and what psychologists do; 2) give students (where applicable) a background in psychology that will help them do their jobs better; 3) give our terminal majors sufficient training to enhance their opportunities for vocational placement in psychology-related occupations; 4) give our majors who intend to become professional psychologists sufficient preparation to permit them to be competitive in achieving admission to and success in graduate schools.

Note: The Bachelor of Arts in Psychology is inactive.

Psychology Major Credits
PSYC 100 Introductory Psychology .................................. 3
PSYC 201 Statistics for Psychology* ................................ 3
or
MATH 110 Elementary Statistics I
PSYC 224 Child Psychology ........................................ 3
or
PSYC 227 Development Through the Life Cycle
PSYC 252 Psychology of Learning ................................ 3
PSYC 310 Social Psychology ......................................... 3
PSYC 320 Research Methods in Psychology* .................. 3
PSYC 342 Biopsychology ............................................ 3
PSYC 360 Psychology of Personality ............................. 3

* A psychology major who receives a C- or below in PSYC 201 or MATH 110 or PSYC 320 must repeat the course(s) for a higher grade. Please see "Repeat Courses" in the "Undergraduate Academic Policies" section of this catalog.

In addition, psychology majors must select five elective courses as follows:

Advanced psychological studies (select one of the following courses): ......................................................... 3
PSYC 303 Survey of Psychological Testing
PSYC 319 History of Psychology
PSYC 321 Psychology of Human Differences
PSYC 350 Special Topics in Psychology
PSYC 404 Attitude and Personality Measurement
PSYC 460 Neuropsychology
PSYC 490 Senior Seminar

Biobehavioral, cognitive, and social psychological studies (select one of the following courses): ........................................ 3
PSYC 210 Applied Social Psychology
PSYC 230 Cross-Cultural Psychology
PSYC 280 Consumer Psychology
PSYC 305 Psychology of Personnel Selection
PSYC 313 Industrial and Organizational Psychology
PSYC 337 Cognitive Psychology
PSYC 340 Sensation and Perception
PSYC 342 Biopsychology
PSYC 344 Drugs and Human Behavior
PSYC 345 Psychology of Consciousness
PSYC 355 Behavior Analysis
PSYC 385 Environmental Psychology
PSYC 474 Forensic Psychology

Clinical Studies and Practicum and Research (select one of the following courses): ......................................... 3
PSYC 365 Health Psychology
PSYC 369 Psychology of Criminal Behavior
PSYC 370 Abnormal Psychology
PSYC 470 Clinical Psychology
PSYC 475 Psychology of Group Behavior
Psychology

PSYC 492 Seminar: Clinical Methods in Medical Psychology
PSYC 494 Clinical Practicum: Forensic Psychology
PSYC 495 Practicum: Medical Psychology
PSYC 496 Personnel Practicum
PSYC 497 Research
PSYC 498 Clinical Practicum
PSYC 499 Directed Study in Psychology

Plus two additional electives: any two psychology courses.................................................. 6

Also required:
One biology lab course from the following: ................................................................. 4
BIOL 100 General Principles of Biology
or
BIOL 102 Introduction to Zoology
or
BIOL 121 General Biology I

Total minimum credits: 43

Students enrolled prior to Fall 1987 and transfer students enrolled prior to September 1989 are required to complete a foreign language through the intermediate level or its equivalent.

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Child Psychology Concentration
The concentration in child psychology provides students with a more specialized education in the field of child psychology and development and knowledge of psychological testing and interventions used with children.

Credits
PSYC 100 Introductory Psychology................................................................. 3
PSYC 201 Statistics for Psychology* .......................................................... 3
(MATH 110 Elementary Statistics I is accepted but not recommended*)
PSYC 224 Child Psychology........................................................................... 3
PSYC 252 Psychology of Learning................................................................. 3
PSYC 310 Social Psychology........................................................................... 3
PSYC 320 Research Methods in Psychology* ............................................ 3
PSYC 342 Biopsychology................................................................................ 3
PSYC 360 Psychology of Personality............................................................ 3

* A psychology major who receives a C- or below in PSYC 201 or MATH 110 or PSYC 320 must repeat the course(s) for a higher grade. Please see "Repeat Courses" in the "Undergraduate Academic Policies" section of this catalog.

Choose one: (Testing)......................................................................................... 3
PSYC 303 Survey of Psychological Testing
PSYC 321 Psychology of Human Differences
PSYC 404 Attitude and Personality Measurement

Choose one: (Cognitive Development) ............................................................ 3
PSYC 327 Psychology of Exceptional Children
PSYC 328 Psychology of Mental Retardation
PSYC 337 Cognitive Psychology

Choose one: (Biological Development in Children)........................................ 4
BIOL 100 General Principles of Biology
BIOL 102 Introduction to Zoology

Choose one: (Abnormal Psychology) .............................................................. 3
PSYC 325 Developmental Psychopathology
PSYC 370 Abnormal Psychology

Choose one: (Elective) .................................................................................... 3
(Note: PSYC 226 and PSYC 227 may not be taken as an elective. See below.)
PSYC 210 Applied Social Psychology
PSYC 230 Cross-Cultural Psychology
PSYC 319 History of Psychology
PSYC 344 Drugs and Human Behavior
PSYC 350 Special Topics in Psychology
PSYC 355 Behavior Analysis
PSYC 365 Health Psychology
PSYC 369 Psychology of Criminal Behavior
PSYC 385 Environmental Psychology
PSYC 470 Clinical Psychology
PSYC 490 Senior Seminar

Choose one:................................................................. 3
SCWK 334 Intervention with Family Systems
SCWK 392 Treating Childhood Sexual Abuse
SOCI 103 Social Problems
SOCI 203 The Family
SOCI 322 Sociology of Childhood

The following courses may be taken but will not be counted toward the minimum major requirements and the child psychology concentration requirements:
PSYC 226 Adolescent Psychology
PSYC 227 Development Through the Life Cycle

Note: To substitute PSYC 350 Special Topics for any requirement on this list, a student must have the permission of his or her adviser and the chairperson of the Department of Psychology.

Total minimum credits: 43

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as

SCHOOL OF ARTS AND SCIENCES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
specifying in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY CONCENTRATION**

This concentration will provide students with an understanding of the psychological principles related to personnel work and the application of these principles to business and industry.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 100 Introductory Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 201 Statistics for Psychology*</td>
<td>3</td>
</tr>
<tr>
<td>(MATH 110 Elementary Statistics I is accepted but not recommended*)</td>
<td></td>
</tr>
<tr>
<td>PSYC 227 Development Through the Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 252 Psychology of Learning</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 310 Social Psychology</td>
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</tr>
<tr>
<td>PSYC 320 Research Methods in Psychology*</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 342 Biopsychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 360 Psychology of Personality</td>
<td>3</td>
</tr>
</tbody>
</table>

*A psychology major who receives a C- or below in PSYC 201 or MATH 110 or PSYC 320 must repeat the course(s) for a higher grade. Please see "Repeat Courses" in the "Undergraduate Academic Policies" section of this catalog.

Additional requirements:
- PSYC 210 Applied Social Psychology | 3
- PSYC 303 Survey of Psychological Testing | 3
- or PSYC 404 Attitude and Personality Measurement | 3
- PSYC 305 Psychology of Personnel Selection | 3
- PSYC 313 Industrial and Organizational Psychology | 3
- PSYC 321 Psychology of Human Differences | 3
- PSYC 496 Personnel Practicum | 3

One biology lab course from the following: | 4
- BIOL 100 General Principles of Biology |       
- or BIOL 102 Introduction to Zoology |       
- or BIOL 121 General Biology I |       

Also required:
- ACHI 240 Principles of Accounting I | 3
- or COMP 105 Computers and their Applications: An Introduction |         
- ENGL 201 Technical Writing | 3
- HIST 462 American Labor History | 3
- SOCI 350 Sociology of Work | 3
- or SOCI 332 Sociology of Organizations |         

One course from the following: | 3
- COMM 303 Introduction to Organizational Communication |       
- ECON 101 Principles of Microeconomics |       
- ECON 102 Principles of Macroeconomics |       

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**MEDICAL AND HEALTH PSYCHOLOGY CONCENTRATION**

<table>
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<tbody>
<tr>
<td>PSYC 100 Introductory Psychology</td>
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<td>PSYC 227 Development Through the Life Cycle</td>
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<td>3</td>
</tr>
<tr>
<td>PSYC 310 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 320 Research Methods in Psychology*</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 342 Biopsychology</td>
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</tr>
<tr>
<td>PSYC 360 Psychology of Personality</td>
<td>3</td>
</tr>
</tbody>
</table>

*A psychology major who receives a C- or below in PSYC 201 or MATH 110 or PSYC 320 must repeat the course(s) for a higher grade. Please see "Repeat Courses" in the "Undergraduate Academic Policies" section of this catalog.

Additional requirements:
- PSYC 303 Survey of Psychological Testing | 3
- PSYC 342 Biopsychology | 3
- PSYC 344 Drugs and Human Behavior | 3
- or PSYC 355 Behavior Analysis |       
- PSYC 365 Health Psychology | 3
- PSYC 492 Seminar: Clinical Methods in Medical Psychology | 3
- or PSYC 495 Practicum: Medical Psychology | 3

One biology lab course from the following: | 4
- BIOL 100 General Principles of Biology |       
- or BIOL 102 Introduction to Zoology |       
- or BIOL 121 General Biology I |       

Also required:
- ANTH 330 Medical Anthropology | 3
- or SOCI 307 Medical Sociology |       
- CHEM 102 Chemistry in Everyday Life | 3
- or PHYS 102 Modern Physics for the Humanist |        

**SCHOOL OF ARTS AND SCIENCES**
Psychology

ENGL 201 Technical Writing I ................................................. 3
PHIL 205 Medical Ethics ......................................................... 3
SCWK 400 Social Services in the Health Care Field .................. 3
Total minimum credits: 61

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

It is strongly recommended that all psychology majors planning further work in psychology at the graduate level take PSYC 319 History of Psychology. Such students should also elect courses which will develop their computational and writing skills. In addition, some computer literacy is advantageous.

Double Major with Elementary Education, Early Childhood Education and Special Education
Students may choose a double major in psychology and elementary education, early childhood education or special education for licensure purposes. Appropriate advising materials with suggested course sequences are available.

Forensic Psychology Interdisciplinary Minor

Required Courses: CREDITS
PSYC 369 Psychology of Criminal Behavior .......................... 3
PSYC 370 Abnormal Psychology ............................................. 3
PSYC 474 Forensic Psychology ............................................. 3
PSYC 494 Clinical Practicum: Forensic Psychology ............. 3
SOCI 228 Criminology ......................................................... 3

Select one course from the following electives:.................. 3
CRIU 354 Corrections
CRIU/SOCI 255 Juvenile Delinquency
CRIU/SOCI 334 White Collar Crime
SOCI 310 Women and Crime
SOCI 313 Family Violence

Note: Only two courses may be counted toward the minor that have already been counted toward the student’s major.

Course Sequence:
PSYC 100 must be taken before any other PSYC course.
PSYC 369 must be taken before PSYC 494.
SOCI 228 must be taken before the SOCI elective is taken.

For further information concerning the forensic psychology interdisciplinary minor contact Dr. Elizabeth Englander at eenglander@bridgew.edu or 508.531.1385.

Total minimum credits: 18

Psychology Minor

PSYC 100 Introductory Psychology ........................................ 3
Five other psychology courses to fit the needs of the individual student ................................................. 15
Total minimum credits: 18

Honors Program

The Honors Program in Psychology provides highly motivated psychology majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in psychology. Contact the Department of Psychology for further information concerning eligibility and application.

Graduate Program

Master of Arts

The Department of Psychology offers a graduate program leading to the degree of Master of Arts in Psychology. This program, which prepares the student to sit for the examination for licensure as a mental health counselor in Massachusetts, equips students to help individuals who may have a variety of behavioral, cognitive and emotional challenges. It may also serve as a stepping-stone to further graduate training (PhD or PsyD).

The Master of Arts in Psychology is a clinical program with a curriculum designed to provide a firm foundation in the understanding of human behavior and clinical disorders, as well as specific skills in psychotherapy and psychological assessment. Research methods and statistics are emphasized as essential tools for clinical professionals — e.g., in performing clinical outcome studies and program evaluations, and in staying current with the empirical literature. Students are exposed to a range of empirically supported therapeutic methods, with special emphasis on cognitive-behavioral techniques. Experiential learning is an essential component of the program, with 15 credits of practica and internships required.

Admission Requirements

- GRE General test scores
- three letters of recommendation
- official transcripts of all undergraduate and graduate course work
- applicants must possess an undergraduate degree in either psychology or a closely related field
- a minimum of 3.0 GPA as an undergraduate, above average GRE scores and some experience in the field

SCHOOL OF ARTS AND SCIENCES

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• final candidates will also receive a personal interview from the Admissions Committee

**Requirements for the Degree**

Students must complete a minimum of 61 approved graduate credits for the Master of Arts in Psychology. Students must complete a written comprehensive examination before graduation; students who complete a thesis may substitute their oral defense for the written examination.

All students will complete a minimum 45-credit academic core and 15-credit clinical core (including practicum and internship).

**Academic Core**

**First Year Courses**
The following courses must be taken within the Department of Psychology.

**Fall:**
- PSYC 505 Research Methods and Design I .................................................. 3
- PSYC 509 Foundations of Clinical Practice .................................................. 3
- PSYC 511 Theories of Psychotherapy ......................................................... 3

**Spring:**
- PSYC 506 Research Methods and Design II .................................................. 3
- PSYC 512 Evaluation Techniques ................................................................. 3
- PSYC 575 Psychopathology ............................................................................. 3

**Second Year Courses**
First year courses must be completed before beginning second year courses.

**Fall:**
- PSYC 500 Developmental Human Psychology ............................................. 3
- PSYC 541 Psychotherapy: Theory and Practice I ......................................... 3

**Spring:**
- PSYC 513 Psychopharmacology for Non-medical Professionals ..................... 3
- PSYC 542 Psychotherapy: Theory and Practice II ......................................... 3

**Other Program Requirements**
The following courses may be taken at any time, assuming any prerequisites have been met.

- PSYC 508 Advanced Seminar ........................................................................ 3
- PSYC 516 Multicultural Counseling ............................................................. 3
- PSYC 517 Career Information and Placement ............................................... 3
- PSYC 518 Theory and Process of Group Interaction ....................................... 3

**Seminar and Research**

All students are required to complete one of the following two courses: PSYC 504 Research (Thesis) or an additional PSYC 508 Advanced Seminar.

- PSYC 504 Research ......................................................................................... 4
  or
- PSYC 508 Advanced Seminar

**Clinical Core**

All students must complete 100 hours of practicum and 600 hours of internship.

- PSYC 591 Clinical Practicum ........................................................................... 3
- PSYC 592 Internship (maximum of 6 credits each semester) ......................... 12

**Important:** Only 500-level courses will be accepted for credit in the MA program in psychology. Matriculating students may not transfer any second year courses into the program. Under current guidelines established by the commonwealth, students completing the program of study in psychology will be eligible (after completing the required number of post-graduate supervised clinical hours) to sit for the examination for licensure as a mental health counselor in Massachusetts.

Total minimum credits: 61
The college's social work department is accredited by the Council on Social Work Education, allowing graduates to apply for social work licensure in Massachusetts at the licensed social worker (LSW) level after completing their bachelor's degree and at the LCSW level after completing their MSW degree.

The program integrates theory with field experience through three required courses held in conjunction with a variety of community social service agencies. SCWK 250 Introduction to Social Welfare acquaints students with the field as they participate in 30 hours of community service in a social service agency. In SCWK 338 Introduction to Social Work Practice, students spend a minimum of 90 hours during one semester at an agency learning how it functions and about the professional roles of social workers. This course lays the foundation for the senior year field experience course (SCWK 498). The field experience meets from September through May and entails a minimum of 410 hours under the supervision of a professional social worker at the Master of Social Work level. Each of these courses is explained in detail in the “Course Descriptions” section of this catalog.

Note: The Bachelor of Arts in Social Work is inactive.

**SOCIAL WORK MAJOR**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>SCWK 250 Introduction to Social Welfare</td>
</tr>
<tr>
<td>SCWK 270 Social Work Issues of Diversity and Oppression</td>
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<tr>
<td>SCWK 320 Human Behavior and Social Environment I</td>
</tr>
<tr>
<td>SCWK 321 Human Behavior and Social Environment II</td>
</tr>
<tr>
<td>SCWK 338 Introduction to Social Work Practice</td>
</tr>
<tr>
<td>SCWK 350 Social Welfare Policy</td>
</tr>
<tr>
<td>SCWK 380 Research Methods In Social Work</td>
</tr>
<tr>
<td>SCWK 431 Social Work Practice with Individuals, Families and Groups</td>
</tr>
<tr>
<td>SCWK 432 Social Work Practice with Communities and Organizations</td>
</tr>
<tr>
<td>SCWK 498 Field Experience in Social Work</td>
</tr>
</tbody>
</table>

**Elective:**

One course in social work |

3

**Required cognates:**

A minimum grade of C- is required in all cognates

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PSYC 100 Introductory Psychology</td>
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<tr>
<td>SOCI 102 Introduction to Sociology</td>
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<tr>
<td>SCWK 375 Data Analysis for Social Workers</td>
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</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PSYC 201 Statistics for Psychology</td>
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</table>

or

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>SOCI 391 Seminar: Social Data Analysis</td>
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One semester in a biology course (choose one): |

3

<table>
<thead>
<tr>
<th>Course</th>
</tr>
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<tbody>
<tr>
<td>BIOL 100 General Principles of Biology</td>
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<td>BIOL 102 Introduction to Zoology</td>
</tr>
<tr>
<td>BIOL 110 Biology: A Human Approach</td>
</tr>
</tbody>
</table>

**UNDERGRADUATE PROGRAMS**

**BACHELOR OF SCIENCE**

The Department of Social Work offers an undergraduate program leading to the Bachelor of Science degree. A minor in social welfare is also available. The curriculum is designed to prepare students for beginning generalist professional practice in social work and other human service fields. Students learn social work methods, theories, values, and ethics for practice with various populations and, especially, with the region’s diverse and vulnerable populations. The program builds on a liberal arts perspective, providing students with a foundation for critical thinking, effective communication, and ethical behavior that will be of daily importance to them in professional practice.

Career opportunities are vast and varied and include positions in child protective services, juvenile justice and mental health; domestic abuse, family court and probation; residential settings in chronic care and elder services. Social work majors also complete the program well prepared for graduate study and may be eligible for consideration for advanced standing at some graduate schools of social work.

Note: See Catalog Web Addenda at [www.bridgew.edu/catalog/addenda/](http://www.bridgew.edu/catalog/addenda/) as that information supersedes the published version of this catalog.
Social Work

BIOL 111 Human Heredity
BIOL 112 Biology and Human Thought
BIOL 115 Microbial World and You
BIOL 117 The Biological Environment
BIOL 121 General Biology I
BIOL 128 The Biology of Human Sexuality

Recommended Social Work Electives:
SCWK/WMST 304 The Psychosocial Development of Women
SCWK 305 Child Welfare
SCWK 333 Current Issues in Aging: A Multidisciplinary Perspective
SCWK 334 Intervention with Family Systems
SCWK 376 Social Work with Adolescents and Young Adults
SCWK 392 Treating Childhood Sexual Abuse
SCWK 399 Special Topics in Social Work
SCWK 415 Social Services in Alcohol and Substance Abuse
SCWK 435 School Social Work - History, Theory and Issues
SCWK 446 Social Work Practice with Groups
SCWK 499 Directed Study in Social Work

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Total minimum credits: 48

Honors Program
The honors program in social work provides highly motivated social work majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in social work. Contact the Department of Social Work for further information concerning eligibility and application.

Social Welfare Minor
This minor seeks to acquaint students in majors and preprofessional programs that interface with social work (e.g., sociology, psychology, anthropology, health, education, counseling, business, pre-law, pre-medicine, recreation) with the evolution of the social welfare structure in the United States (SCWK 250), the policies that result in social welfare programs (SCWK 350) and populations at particular risk (SCWK 270).

Required courses: 

<table>
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<td>SCWK 250 Introduction to Social Welfare</td>
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<td>3</td>
</tr>
<tr>
<td>SCWK 350 Social Welfare Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Six additional credits in social work elective courses with the exception of SCWK 338, SCWK 431, SCWK 432 and SCWK 498...

Total minimum credits: 18

Admission to the Social Work Program

Admission Requirements:
To be formally admitted to the social work program, a student must:

1. Meet with an assigned social work adviser.

2. Complete a minimum of 36 hours of Core Curriculum Requirements that include ENGL 101 Writing I and ENGL 102 Writing II, COMM 130 Human Communication Skills, SOCI 102 Introduction to Sociology, and a biology course (see list under Required Cognates). PSYC 100 Introductory Psychology is also required.

3. Have completed 60 hours of course work with a minimum overall GPA of 2.5 and a minimum GPA of 2.7 in Social Work. Students with a GPA between 2.0 and 2.5 may petition the social work program admissions committee that they be accepted into the major due to special circumstances. If the decision of the committee is favorable, such students will be granted conditional acceptance to the program only.

4. Have completed SCWK 250 and SCWK 270 with a social work course GPA (not including cognates) of 2.7 and no social work course grades below C-. Students falling slightly below these standards will have their grade performance reviewed by the social work program admission committee.

5. Demonstrate competency in oral and written communication since such skills are fundamental to and utilized in everyday social work practice. Students must have completed ENGL 101 Writing I, ENGL 102 Writing II and COMM 130 Human Communication skills with a minimum grade of C+ in each course. A grade of C or C- in one of these courses may be accepted if the student agrees to consult the Writing Center and give proof that basic skill problems in a given area are identified and addressed.

6. Complete an application for admission to the social work program. This application includes basic biographical data, information on employment and volunteer experiences, and a two to four page self-evaluation of the student’s interest, readiness and suitability for a career in social work. The purpose of the self-evaluation is to reflect the applicant’s commitment to the goals and purposes of social work. The application is available through the student’s assigned faculty adviser in the Department of Social Work. The application should be reviewed by the student’s adviser and an additional social work faculty member.

SCHOOL OF ARTS AND SCIENCES
7. Submit a copy of his/her transcript that provides an up-to-date indication of cumulative and social work GPAs.

8. Be successfully reviewed by the social work faculty. All information obtained through the admission process will be held in confidence. Knowingly making a false oral or written statement during the admission process could result in denial of admission to the program.

9. Sign a statement indicating that he/she has read and will follow the National Association of Social Worker’s Code of Ethics. This code is printed in the Encyclopedia of Social Work and is available through the NASW Web site (www.naswdc.org).

Applicants are notified in writing by the social work program admissions committee about the outcome of the admission process.

Only social work courses from four-year colleges accredited by the Council on Social Work Education will be granted equivalency credit with the possible exception of SCWK 250. Transfer students must provide evidence that these courses sufficiently correspond with the goals and objectives specified in courses within the Department of Social Work curriculum. Performance evaluations of any field work courses completed are also required. The only other course exception would be below-300 level required social work course offered on an off-campus site by a Bridgewater State College social work faculty person or other CSWE qualified social work faculty, provided the course is fully duplicative of the same course in the Department of Social Work’s curriculum as determined through the official articulated agreement by the faculty after review.

Admission to SCWK 338 Introduction to Social Work Practice
Students are eligible for admission to SCWK 338, the combined initial practice course and junior year field work experience, after being formally admitted into the social work program. They should have completed SCWK 320 or be taking it concurrently. A GPA of 2.7 in social work courses and 2.5 overall must be achieved prior to admission to SCWK 338. Students must also complete the department’s Junior Prospective Intern Data Form and the Practicum/Internship Form required by the School of Arts and Sciences.

The social work faculty’s field education coordinator discusses the placement with the student and arranges for an agency contact. The student then meets with the agency supervisor to discuss the placement, mutual expectations and available learning opportunities. A final decision is reached by the field education coordinator after consultation with the student and the agency supervisor. Suggested readings and preplacement contacts are worked out on an individual basis.

Admission to SCWK 498 Field Experience in Social Work
A student is eligible for placement in SCWK 498, the 410+ clock hour senior year field work experience, after being formally admitted into the social work program and after completing SCWK 320 and SCWK 338. In the spring semester each student applying for senior field placement is required to make an appointment with the field coordinator to discuss options and procedures. Applications are due no later than Feb. 15 for placement in the following fall. Placements are from September to May and are not available during the summer. Evening and weekend placements are not available.

All applications for field placement are reviewed by the social work field education review committee. The needs, strengths and interests of the students, as well as availability of agency and program placement resources, are discussed. Additionally, each applicant is interviewed by the social work field coordinator. Issues of concern that may have been identified during the applicant’s program admission interview, if needed, are to be addressed with the applicant. Goals for the student and possible agency options are explored. A particular setting will be recommended on the basis of these variables.

The field education coordinator discusses the placement with the student and arranges for an agency contact. The student then meets with the agency supervisor to discuss the placement, mutual expectations and available learning opportunities. A final decision is reached by the field education coordinator after consultation with the student and the agency supervisor. Suggested readings and preplacement contacts are worked out on an individual basis.

It is recommended that each student join the National Association of Social Workers during the semester prior to field placement.

Retention in the Social Work Major
Students must remain in full compliance with all requirements, policies and procedures of the Department of Social Work, the college and the Council on Social Work Education. Students may be terminated from the social work program if, in the professional judgement of the social work faculty, violations of professional and/or ethical codes have occurred. These violations are discussed in detail in the department’s admission, termination and appeals policies and procedures. Dismissal from two field placements due to unacceptable performance and/or two or more failures in any social work course may result in the termination of the student from the social work program. All students wishing to pursue a major in social work are strongly urged to obtain a copy of this document from the Department of Social Work. Course work with a grade lower than C- must be repeated prior to graduation.
GRADUATE PROGRAM

MASTER IN SOCIAL WORK

Mission
Bridgewater State College's Master in Social Work (MSW) program reflects the purposes of social work education nationally and internationally. The mission of the MSW program is to prepare advanced professional practitioners to address regional needs, promote social justice, and enhance the strengths and resilience of communities, families, and individuals. The program will prepare advanced professionals who are grounded in resilience theory and a strengths-based approach for intergenerational practice. This approach will work with client systems by building and reinforcing what is going right for people, and by using the client's strengths and resources to address areas of concern. Attention is given to the intergenerational system, to identify what can be done to effect change and strengthen relationships among individuals, groups, and community components in order to promote greater self-sufficiency and constructive functioning.

The Curriculum
In order to prepare graduates to work successfully with a variety of client systems often presenting multiple, complex problems, the MSW program provides a resilience theory and strengths-based approach for intergenerational practice that incorporates content on the profession's history, purpose and philosophy and a specific body of knowledge, values and skills. The curriculum emphasizes critical and creative thinking that enables alumni to initiate, adapt and evaluate interactions for the demographic and cultural groups in our region.

The foundation year includes 30 credits with content on social work values and ethics, diversity and social and economic justice, human behavior and the social environment, social welfare policy and services, social work practice, research and a field practicum. First-year students will take the following courses:

<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SCWK 500</td>
<td>Introduction to Social Welfare Policy: History, Programs and Issues</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 502</td>
<td>Dynamics of Diversity and Oppression</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 508</td>
<td>Introduction to Social Policy</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 510</td>
<td>Human Behavior in the Social Environment I</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 511</td>
<td>Human Behavior in the Social Environment II</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 530</td>
<td>Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 531</td>
<td>Social Work Practice II: Groups and Community-based Practice</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 540</td>
<td>Introductory Social Research</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 590</td>
<td>Field Practice and Seminar</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 591</td>
<td>Field Practice and Seminar</td>
<td>3</td>
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</tbody>
</table>

The advanced year, with 32 credits, broadens and deepens the foundation content while offering students choices among modules or quarter courses that introduce the skills needed to work with particularly vulnerable populations. In some instances, quarter courses may be combined with semester-long courses. Students may also use these electives to take graduate courses outside the Department of Social Work, such as those in the Master of Public Administration, Master of Science in Management, Master of Education in Health Promotion or other approved master's degree.

The advanced year also offers an integrated seminar that will require students to draw on their foundation course work in human behavior in the social environment, research, policy and practice. The course will focus on two or three issues confronted by communities, families and/or individuals, such as the impact of managed care, confronting childhood poverty, or approaches to working with immigrants. Second year students take the following courses:

<table>
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<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SCWK 512</td>
<td>Human Behavior in the Social Environment III: DSM-IV-TR</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 541</td>
<td>Research: Evaluating Practice</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 550</td>
<td>Social Work Practice III: Intergenerational Strengths-based Practice with Families</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 551</td>
<td>Social Work Practice IV: Intergenerational Strengths-based Practice with Individuals</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 570</td>
<td>Integrative Seminar I</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 572</td>
<td>Social Policy II</td>
<td>3</td>
</tr>
<tr>
<td>SCWK 592</td>
<td>Field Practice III</td>
<td>4</td>
</tr>
<tr>
<td>SCWK 593</td>
<td>Field Practice IV</td>
<td>4</td>
</tr>
<tr>
<td>Electives: 1.5 credits each for a total of 6 credits</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

Part-Time Program
Students electing to complete the MSW degree on a part-time basis must do so in three years, beginning in the fall semester. Designed for students who work during the day, the program offers classes in the evening and on weekends.

Admission Requirements: The admissions process involves the following components:

1. A completed application to the MSW program, available through the School of Graduate Studies. Applications are due on February 1 for fall matriculation.
2. An updated résumé
3. Official transcripts of all undergraduate and graduate course work
4. A personal statement about interest in master's-level social work practice
5. Three letters of reference, ideally from supervisors, faculty members and others able to attest to the applicant's readiness to undertake graduate education in social work
6. Standardized test scores such as the GREs and the MAT are not required, but students are welcome to submit such scores.

7. Minimum undergraduate GPA of 3.0

The admission committee’s decision will be based on the applicant’s demonstrated academic ability, interpersonal skills, and self-awareness — indicators of the likelihood that the applicant can successfully complete the program. In addition, evidence of a commitment to the social work profession and to the mission of the Bridgewater State College MSW program, and of the likely contribution the applicant might make to the citizens of Southeastern Massachusetts will be assessed. Social work requires the ability to withstand difficult emotional challenges, to work with people whose cultural backgrounds and/or personal values differ from one’s own, and to practice in a demanding and changing political and fiscal environment. Special attributes such as linguistic ability compatible with those in the region, a demonstrated commitment working with underserved populations, and particular skills such as those in research and policy implementation will be considered.

Advanced Standing: Student seeking to enter the program in the second year with full advanced standing must meet all of the requirements listed above. In addition they must have earned a BSW or BA/BS in social work degree from a CSWE-accredited program within the last six years. Students who completed their BSW degrees more than six years ago will be evaluated individually to determine their preparedness for year II. Applicants who wish to transfer into the MSW program after completing year I elsewhere will also be considered for advanced standing. Students entering with full advanced standing will begin their course work in the summer.
Sociology

Faculty

Chairperson: Associate Professor Patricia Fanning
Professors: Walter Carroll, William Levin, Kim Mac Innis
Associate Professors: Fang Deng, Henry Vandenburgh
Assistant Professors: Jodi Cohen, Michele Wakin, Jonathan White

Department Telephone Number: 508.531.1355
Location: Burrill Office Complex
Web site: www.bridgew.edu/Sociology

Degree Program

• BA in Sociology
  Concentrations: City, Community and Region, Education, Global Studies

Undergraduate Minor

• Sociology

The Department of Sociology offers a major program in sociology, and a minor in sociology. Sociology majors may concentrate in City, Community and Region, Education or Global Studies. Students may also combine a major in sociology with an education major.

The department provides a strong liberal arts curriculum aimed at developing well-rounded, informed citizens with strong critical thinking abilities. Department programs also impart skills to students, preparing them for a wide range of professions. Career options include positions in the criminal justice system, education, research, industry, and state and federal agencies. The department encourages students to continue on to graduate study.

Many department faculty members engage in research and the department encourages student-faculty collaborative research. Students may also carry out internships.

Undergraduate Programs

Sociology

The Bachelor of Arts in Sociology is the scientific study of human social relationships. It allows individuals to understand the connections between their own experiences and the society in which they live. In carrying on social life human beings interact with each other and construct patterns of relationships, groups, classes, institutions, and societies. Individuals shape those patterns and those patterns, in turn, shape individuals and their lives. In fact, the central insight of sociology is that social relationships and social interactions shape human behavior, attitudes, and resources.

Sociology courses provide students with an understanding of how these social relationships arise, why they persist, what effects they have, and how they maintain social order or contribute to social change. Students learn the theories and research methods used in sociology. Students have opportunities to engage in collaborative research with faculty members or to participate in internships. These opportunities enable students to deepen and apply what they have learned in classes and enhances their opportunities in the labor market or in graduate school.

Note: The Bachelor of Science in Sociology is inactive.

Sociology Major

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 102 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 290 Seminar: Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 370 Sociological Analysis (Writing Intensive in the Major Core Curriculum Requirement-CWRM)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 390 Seminar: Research Methods in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 391 Seminar: Social Data Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus any one of the following: 3

- SOCI 204 Gender, Sexuality and Society
- SOCI 207 Social Inequality
- SOCI 312 Discrimination and Prejudice
- SOCI 315 Race and Ethnicity in America
- SOCI 326 Social Gerontology – Sociology of Aging
- SOCI 330 Women’s Roles: Sociology of Sex and Gender

Plus any one of the following: 3

- SOCI 206 Cities and People: Urban Sociology
- SOCI 305 Sociology of Education
- SOCI 307 Medical Sociology
- SOCI 332 Sociology of Organizations
- SOCI 340 Sociology of Politics
- SOCI 350 Sociology of Work

Plus any one of the following: 3

- SOCI 104 Global Social Problems
- SOCI 214 Middle Eastern Societies
- SOCI 217 East Asian Societies: China and Japan
- SOCI 218 Chinese Society and Culture
- SOCI 220 Third World Societies
Sociology

Plus three additional sociology courses, including those not already taken from the above lists, three of which must be at the 200 level or above...........................................9

Capstone Requirement: ...........................................................3
Students must complete an Honors Thesis (SOCI 485), a research project (SOCI 497) or a 3-credit internship (SOCI 498)

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.
Total minimum credits: 36

CITY, COMMUNITY, AND REGION CONCENTRATION

Required Courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 102 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 206 Cities and People: Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 290 Seminar: Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 370 Sociological Analysis (Writing Intensive in the Major Core Requirement-CWRM)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 390 Seminar: Research Methods in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 391 Seminar: Social Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 410 Sociology of Urban Planning and Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

Two of the following courses: ...........................................6

SOCI/CJ 352 Urban Crime
SOCI 353 Cities in a Global Context
SOCI 380 Seminar: Qualitative Methods and Urban Ethnography

One of the following courses: ..............................................3

SOCI 207 Social Inequality
SOCI 315 Race and Ethnicity in America
SOCI 426 New England Ethnic and Regional Communities

Plus one additional sociology course, including those not already taken from the above lists, which must be at the 200 level or above.................................................3

Cognate: One course from the following list: ............................3

ANTH 306 Urban Anthropology
ECON 350 Urban Economic Problems and Policies
GEOG 353 Urban Geography
GEOG 462 Principles of Urban Planning
HIST 464 New England Textile Communities: Social and Economic History
POLI 376 Urban Politics

Capstone Requirement: ......................................................3
Students must complete a research project (SOCI 497) or a 3-credit internship (SOCI 498).

Total minimum credits: 39

EDUCATION CONCENTRATION

Required Courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 102 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 290 Seminar: Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 305 Sociology of Education</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 332 Sociology of Organizations</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 370 Sociological Analysis (Writing Intensive in the Major Core Requirement-CWRM)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 390 Seminar: Research Methods in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 391 Seminar: Social Data Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

One course from among the following: ..................................3

SOCI 322 Sociology of Childhood
SOCI 323 Sociology of Adolescence

One course from among the following: ..................................3

SOCI 204 Gender, Sexuality, and Society
SOCI 207 Social Inequality
SOCI 312 Discrimination and Prejudice
SOCI 315 Race and Ethnicity America
SOCI 330 Women’s Roles: Sociology of Sex and Gender

Plus two additional sociology course, including those not already taken from the above lists, one of which must be at the 200 level or above...........................................6

Capstone Requirement: ......................................................3
Students must complete a research project (SOCI 497), Honors Thesis (SOCI 485), or a 3-credit internship (SOCI 498).

Total minimum credits: 36

GLOBAL STUDIES CONCENTRATION

Required Courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 102 Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 104 Global Social problems</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 290 Seminar: Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 342 Comparative Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 370 Sociological Analysis (Writing Intensive in the Major Core Requirement-CWRM)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 390 Seminar: Research Methods in Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 391 Seminar: Social Data Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus, any two courses from the following: ................................6

SOCI 214 Middle Eastern Societies
SOCI 217 East Asian Societies: China and Japan
SOCI 218 Chinese Society and Culture
SOCI 219 Population and Society
SOCI 220 Third World Societies
SOCI 353 Cities in a Global Context

Plus two additional sociology courses, including those not already taken from the above lists, which must be at the 200 level or above...........................................6

Note: See Catalog Web Addenda at www.bridgev.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Cognate: One course from the following list: ................. 3
    ANTH 208 Anthropology of Women
    COMM 365 Introduction to Intercultural Communication
    GEOG 171 Geography of the Global South
    GEOG 381 Geography of Latin America
    GEOG 388 Geography of Africa
    MUSC 162 Music in African Culture
    PHIL 212 Philosophies of India
    POLI 382 Latin American Government and Politics
    POLI 387 Government and Politics of Africa
    POLI 488 Politics and Development in the Third World
    THEA 222 Asian Theater

Capstone Requirement: .................................................. 3
Students must complete a research project (SOCI 497) or a 3-credit
internship (SOCI 498).

Total minimum credits: 39

DOUBLE MAJOR WITH ELEMENTARY EDUCATION,
EARLY CHILDHOOD EDUCATION OR SPECIAL
EDUCATION
Students may choose a double major in sociology and elementary
education, early childhood education or special education for
licensure purposes. Appropriate advising materials with
suggested course sequences are available.

SOCILOGY MINOR
Students must take 18 credits including:

SOCI 102 Introduction to Sociology .................................. 3

Plus any one of the following:.......................................... 3
    SOCI 207 Social Inequality
    SOCI 312 Discrimination and Prejudice
    SOCI 315 Race and Ethnicity in America
    SOCI 326 Social Gerontology – Sociology of Aging
    SOCI 330 Women’s Roles: Sociology of Sex and Gender

Plus any one of the following:.......................................... 3
    SOCI 203 The Family
    SOCI 206 Cities and People: Urban Sociology
    SOCI 332 Sociology of Organizations
    SOCI 340 Sociology of Politics
    SOCI 350 Sociology of Work

Plus three additional sociology courses, including those not
already taken from the above lists, two of which must be
at the 200 level or above. .................................................. 9

Total minimum credits: 18

HONORS PROGRAM
The honors program in sociology provides highly motivated
sociology majors with opportunities to enhance their academic
program through intensive scholarly study and research
designed to be of assistance in post-graduate employment or
in the pursuit of an advanced degree. Contact the Department
of Sociology for further information concerning eligibility and
application.

OVERSEAS STUDY OPPORTUNITIES
The Department of Sociology urges its majors and minors to
study abroad, both via Bridgewater State College sponsored
study tours and as exchange students at universities. The Office
of International and Exchange Programs can assist students.
Any student contemplating study abroad should consult the
department with all pertinent documentation. Final acceptance
of credit will be determined upon receipt of official transcripts
and supporting material and, in some cases, may not be
equivalent to the credits earned in a regular semester or year
at Bridgewater State College.
**Theater and Dance**

**Faculty**

**Chairperson:** Associate Professor Henry Shaffer

**Professors:** Arthur Dirks, Stephen Levine, Nancy Moses, Suzanne Ramczyk

**Associate Professor:** James Quinn

**Assistant Professor:** Jody Weber

**Degree Program**

- BA in Communication Studies
  - Concentrations: Dance Education, Theater Arts, Theater Education

**Undergraduate Minors**

- Dance *
- Theater Arts

*Interdisciplinary minor

**Undergraduate Program**

The Department of Theater and Dance is committed to educating students in two significant art forms. Upon completing a program in theater or dance, students are prepared to engage in theater and dance throughout their lives, to pursue advanced study in the art forms or to begin a career in theater or dance.

The Theater Program emphasizes a comprehensive theater program within the liberal arts context. Students pursue a systematic course of study in performance, production, management, history, literature and criticism which are enhanced by opportunities to participate in either performance or production in the department’s theater season.

The Theater Education Program combines the content of the theater program with additional learning to support Standard I requirements for licensure to teach theater in public schools in Massachusetts.

The Dance Program offers a wide variety of dance technique training and a solid theoretical foundation for performance and choreography. In addition, the program offers an emphasis on dance pedagogy in either the private or public sector. The program fulfills Standard I requirements for licensure for dance in the public schools in Massachusetts.

**Bachelor of Arts**

Students majoring in this department may choose one of three concentrations: dance education, theater arts or theater education.

Also see the catalog section “Interdisciplinary and Preprofessional Programs” and consult the department for information on the interdisciplinary dance minor.

**Theater Arts Concentration**

Students selecting this concentration follow a program designed to develop skills in and appreciation of those subjects related to performance and production in live theater. The minimum requirements include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 156 Voice and Movement for Acting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 220 Play Analysis for Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 242 Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 265 Stage Costuming</td>
<td>3</td>
</tr>
<tr>
<td>THEA 272 Scenography I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 280 Theater Management</td>
<td>3</td>
</tr>
<tr>
<td>THEA 421 Theater History I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 422 Theater History II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 431 Directing I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 495 Seminar in Contemporary Theater</td>
<td>2</td>
</tr>
</tbody>
</table>

One three-credit elective course in theater (any THEA course) | 3 |

Four credits in*: | 4 |
| THEA 140 Theater Performance Practicum | |
| THEA 170 Technical Theater Practicum | |
| THEA 172 Theater Costume Practicum | |
| THEA 185 Theater Management Practicum | |

*One credit each must be in THEA 170, THEA 172 and THEA 185

**Required Cognate Course**

Choose one of the following: | 3 |
| ENGL 214 The Classical Tradition | |
| ENGL 241 Shakespeare | |
| ENGL 342 Shakespeare: Histories and Comedies | |
| ENGL 343 Shakespeare: Tragedies and Late Plays | |
| ENGL 353 Modern European Drama | |
| ENGL 356 Modern American Drama | |

Total minimum credits: 39

**Dance Education and Theater Education Concentrations**

These concentrations are liberal arts programs within the major of communication arts and sciences dealing with the subject areas of dance and theater arts. They are designed to meet
the subject matter knowledge requirements for Massachusetts licensure in the fields of dance and theater.

Those students in the program who choose to seek initial Massachusetts licensure at either the undergraduate or post baccalaureate levels must also complete an additional 24 credits in education and gain admittance to the professional education program. Upon successful completion, the student will be licensed to teach theater or dance in Massachusetts public schools grades PreK-12.

DANCE EDUCATION CONCENTRATION

Students must audition for admittance to the dance education concentration, and must meet subject matter knowledge on the Massachusetts Tests for Educator Licensure (MTEL®).

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 251 Dance History</td>
<td>3</td>
</tr>
<tr>
<td>THEA 255 Creative Dance I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 256 Creative Dance II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 260 World Dance</td>
<td>3</td>
</tr>
<tr>
<td>THEA 353 Creative Dance for Children</td>
<td>3</td>
</tr>
<tr>
<td>THEA 357 Dance Production Theory</td>
<td>3</td>
</tr>
<tr>
<td>THEA 358 Dance Production Techniques</td>
<td>1</td>
</tr>
<tr>
<td>THEA 452 Ballet Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>THEA 453 Dance Methodology</td>
<td>3</td>
</tr>
<tr>
<td>PHED 281 Theory and Practice of Educational Dance</td>
<td>3</td>
</tr>
</tbody>
</table>

**Three credits of the following:**

- THEA 399 Topical Studies
- THEA 497 Advanced Individual Projects
- THEA 498 Internship in Theater
- THEA 499 Directed Study in Theater

**One of the following:**

- THEA 265 Stage Costuming
- THEA 272 Scenography I
- THEA 280 Theater Management

**Two credits in:**

- THEA 155 Dance Practicum

**One credit in one of the following:**

- THEA 170 Technical Theater Practicum
- THEA 172 Theater Costume Practicum
- THEA 185 Theater Management Practicum

**Required cognates:**

- PHED 161 Folk Dance
- PHED 164 Square Dance
- PHED 168 Ballroom Dance
- PHED 237 Theory and Practice of Jazz Dance, Fall
- PHED 242 Theory and Practice of Ballet, Fall
- PHED 245 Theory and Practice of Ballet, Spring
- PHED 247 Theory and Practice of Jazz Dance, Spring
- PHED 248 Theory and Practice of Modern Dance, Fall
- PHED 249 Theory and Practice of Modern Dance, Spring
- PHED 271 Theory and Practice of Tap Dance

**Total minimum credits: 54**

**Education Requirements**

Students seeking licensure as Teacher of Dance must declare a minor in secondary education (high school, middle school, preK-12 specialist) and complete the following courses in the minor:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>* EDHM 210 Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 235 Learning and Motivation</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 335 Assessment and Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 445 Content Area Reading, Writing and Study Skills</td>
<td>3</td>
</tr>
<tr>
<td>An appropriate strategies for teaching course</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 490 Teaching Practicum</td>
<td>12</td>
</tr>
<tr>
<td>PSYC 227 Development through the Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>SPED 203 Cultural Diversity Issues in School and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

* To be completed prior to admission to professional education and enrollment in any other education courses.

**Total minimum credits in secondary education minor: 33**

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**THEATER EDUCATION CONCENTRATION**

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA 156 Voice and Movement for Acting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 220 Play Analysis for Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 226 Children's Theater</td>
<td>3</td>
</tr>
<tr>
<td>THEA 230 Creative Dramatics</td>
<td>3</td>
</tr>
<tr>
<td>THEA 242 Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 272 Scenography I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 280 Theater Management</td>
<td>3</td>
</tr>
<tr>
<td>THEA 421 Theater History I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 422 Theater History II</td>
<td>3</td>
</tr>
<tr>
<td>THEA 430 Playwriting</td>
<td>3</td>
</tr>
<tr>
<td>THEA 431 Directing I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 253 Non-Western Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 356 Modern American Drama</td>
<td>3</td>
</tr>
<tr>
<td>One credit each in:</td>
<td>3</td>
</tr>
<tr>
<td>THEA 170 Technical Theater Practicum</td>
<td>3</td>
</tr>
<tr>
<td>THEA 172 Theater Costume Practicum</td>
<td>3</td>
</tr>
<tr>
<td>THEA 185 Theater Management Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>
One from the following: .................................................. 3
ENGL 241 Shakespeare
ENGL 335 Elizabethan and Jacobean Drama
ENGL 342 Shakespeare: Histories and Comedies
ENGL 343 Shakespeare: Tragedies and Late Plays

Total minimum credits: 45

Education Requirements
Students seeking licensure as Teacher of Theater must declare a minor in secondary education (high school, middle school, preK-12 specialist) and complete the following courses in the minor:

* EDHM 210 Introduction to Teaching .................................. 3
EDHM 235 Learning and Motivation ..................................... 3
EDHM 335 Assessment and Planning ....................................... 3
EDHM 445 Content Area Reading, Writing and ..................... 3
Study Skills
An appropriate strategies for teaching course ...................... 3
EDHM 490 Teaching Practicum .............................................. 12
PSYC 227 Development through the Life Cycle .................... 3
SPED 203 Cultural Diversity Issues in School and Society ....... 3

Total minimum credits in secondary education minor: 33

* To be completed prior to admission to professional education and enrollment in any other education courses.

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

THEATER ARTS MINOR

THEA 115 Play Production .............................................. 3
THEA 211 Voice Production for Theater ............................... 3
THEA 220 Play Analysis for Production ............................... 3
Three elective THEA courses (any THEA course) ................. 9
Practica (2 credits in THEA 140, THEA 170, and/or THEA 185) .................................................. 2

Total minimum credits: 20

INTERDISCIPLINARY MINOR IN DANCE
The dance minor is an interdisciplinary program in the theater arts and dance and the physical education program. The objective is to give a solid liberal arts experience in the art of dance. The program includes the study of techniques of various styles of dance, dance history and theory, choreography and production.

Required courses: .................................................. 3
THEA/PHED 155 Dance Practicum (two semesters) .......... 2
THEA/PHED 251 Dance History ..................................... 1

THEA/PHED 255 Creative Dance I ..................................... 3
THEA/PHED 256 Creative Dance II .................................... 3
THEA/PHED 357 Dance Production Theory ......................... 2
THEA/PHED 358 Dance Production Techniques ...................... 1
PHED 154 Ballet ......................................................... 2

Choose one: ........................................................... 1
PHED 161 Folk Dance
PHED 164 Square Dance
PHED 168 Ballroom Dance
PHED 268 Ballroom Dance II - Theory, Practice and Performance

Choose 6 credits from the following: .............................. 6
PHED 237 Theory and Practice of Jazz Dance, Fall
PHED 242 Theory and Practice of Ballet, Fall
PHED 245 Theory and Practice of Ballet, Spring
PHED 247 Theory and Practice of Jazz Dance, Spring
PHED 248 Theory and Practice of Modern Dance, Fall
PHED 249 Theory and Practice of Modern Dance, Spring
THEA/PHED 259 Dance Repertory
PHED 271 Theory and Practice of Tap Dance

Total minimum credits: 23

DOUBLE MAJOR WITH ELEMENTARY EDUCATION, EARLY CHILDHOOD EDUCATION OR SPECIAL EDUCATION
Students may choose a double major, one in communication arts and sciences with a concentration in theater arts, dance or theater education and another in elementary education, early childhood education or special education for licensure purposes.

HONORS PROGRAM
The honors program in theater arts provides highly motivated communication studies and theater arts majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in Theater and Dance for further information concerning eligibility and application.

ACTIVITIES AND PRODUCTIONS
The program of theater and dance presents six mainstage productions annually in the 1400-seat Rondileau Campus Center Auditorium. The productions usually include a play, a musical, an experimental work, a production for young audiences and two dance concerts. Any interested student is invited to participate.

Several student clubs are actively engaged in co-curricular activities supportive of the academic programs in the department.
The Ensemble Theater sponsors and produces student-directed studio productions, workshops, and social and educational activities. It is open to all students interested in theater.

The BSC Dance Company is open to all. It brings a professional dance company to campus for a brief residence program and concert each year. It also sponsors master classes and social and educational activities dealing with dance.

Students may also receive academic credit in the department for active participation in choral, speaking, dance or theater—see course descriptions for more information on the following courses:

THEA 140 Theater Performance Practicum
THEA/PHED 155 Dance Practicum
THEA 170 Technical Theater Practicum
THEA 172 Theater Costume Practicum
THEA 185 Theater Management Practicum

Note: A maximum of six credits in the above courses may be applied toward graduation.

GRADUATE PROGRAMS

MASTER OF ARTS IN TEACHING (SPEECH COMMUNICATION AND THEATER)

This program is inactive.
The School of Business

The School of Business emphasizes academic rigor and learning that bridges theory and practice. Because of our outstanding faculty and programs, our students graduate with a firm foundation for professional success.

The programs in the School of Business are accredited by the International Assembly for Collegiate Business Education (IACBE). A specialized accrediting body, IACBE's mission is to promote and support quality business education worldwide through accreditation and outcomes assessment.

The structured major in accounting and finance offers curricula that prepare students for the rigorous examinations needed for professional certification as a Certified Public Accountant (CPA), Certified Management Accountant (CMA), Chartered Financial Analyst (CFA), or Certified Financial Planner (CFP). Bridgewater State College students frequently win statewide competitions and are often cited by the Massachusetts Society of CPAs for their excellent work.

The FAA approved aviation science major is unique among public four-year institutions on the eastern seaboard of the United States and attracts numerous students from outside Massachusetts. The flight training concentration takes a student through commercial licensing and flight instructor certification. The aviation management concentration includes private pilot licensing and prepares students for careers with airlines, airports, aircraft companies, government agencies and other aviation support services.

The bachelor of science program in economics prepares students to understand and apply the fundamentals of economic theory and analysis in today's global market economy. The curriculum guides economics majors in developing creative, analytical, and critical thinking skills and sound problem-solving techniques, qualities that are highly valued in any professional field. Students in the program have the opportunity to participate in internships and pursue careers with banks, corporations, government organizations, real estate firms and stock brokerages.

The Department of Management offers undergraduate programs that prepare students for successful careers in business and management.

The undergraduate management major includes concentrations in general management (human resources or operations), energy and environmental resources management, global management, information systems management, marketing, and transportation. Experiential courses and internships give students the opportunity to work on projects with local companies and businesses.

The School of Business supports Bridgewater State College in its dual mission to educate the residents of Southeastern Massachusetts and the Commonwealth and to be a resource for the region and state. We meet our professional responsibilities to our students and to the region by bringing members of the community into our classrooms, extending classroom learning into community settings, and actively engaging in scholarly and professional development.

The School of Business is located in a fully renovated, state-of-the-art building, Harrington Hall. Students benefit from classrooms with modern technology and access to technology labs.

Qualified students may register for undergraduate and graduate certificates in such fields as marketing management, information systems, accounting and finance, including a CPA Exam Preparation Certificate, as alternatives to degree programs. The school also offers minors in each department and collaborates with other departments in offering interdisciplinary minors in actuarial science, Canadian studies, public relations and health resources management.

Students with interests in research have the opportunity to work on faculty projects that are advancing the state of knowledge in their disciplines. The themes of leadership, technology and internationalization serve as integrating threads that tie together all of Bridgewater State College's academic disciplines.

In addition to undergraduate programs, the School of Business offers a Masters of Science in Management, with concentrations in accounting, marketing, organizational development,
School of Business

and technology management. Qualified undergraduates may be accepted to enroll in the School's five-year Bachelor of Science in Management/Master of Science in Management.

**DEPARTMENTAL COURSE DESCRIPTIONS**
See the "Course Descriptions" section of this catalog for departmental course descriptions.
RAIYELLUMER

[Image 0x0 to 490x721]

[0x0]Credits

[0x0]3

[0x0]3

[0x0]3

[0x0]3

[0x0]3

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[20x502]Assistant

[21x491]Professor:

[21x555]Professors:

[21x609]Chairperson:

[21x157]tion

[21x189]The

[21x264]UNDERGRADUATE

[21x339]Undergraduate

[21x577]Graduate

[21x587]Program

[21x609]Associate

[21x146]Accountant

[21x178]positions

[21x374]Organization

[21x406]Accounting,

[21x418]Finance

[21x483]Students

[21x494]enrolled

[21x494]for

[21x494]the

[21x494]fall

[21x494]2002

[21x515]semester

[21x515]or

[21x515]thereafter.

[21x515]Students

[21x515]who

[21x515]receive

[21x515]more

[21x515]than

[21x515]two

[21x515]D's

[21x515]or

[21x515]F's

[21x515]in

[21x515]courses

[21x515]may

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[21x515]finance

[21x515]majors

[21x515]but

[21x515]must

[21x515]retake

[21x515]a

sufficient

number

of

the

required

courses

in

which

the

D's

or

F's

were

earned

and

earn

a

grade

of

C- or

higher,

so

that

no

more

than

a

total

of

two

"ACFI"

prefix

required

courses,

with

grades

below

C-

will

be

counted

towards

fulfillment

of

the

requirements

in

the

accounting

and

finance

major.

**Note:** The Massachusetts Board of Accountancy is changing the educational requirements to sit for the Uniform CPA examination in Massachusetts. Accordingly, this may result in changes within our accounting curriculum.

**Finance Concentration**

The finance concentration prepares students for positions in banking, investments, financial planning, cash management and international finance in both public and private institutions. This concentration also assists in preparing students for professional certifications such as the Certified Financial Planner (CFP) or Chartered Financial Analyst (CFA).

**Graduate Concentration**

No more than two grades lower than C- in a required Accounting and Finance course (ACFI prefix) will be applied toward fulfillment of the requirements for the accounting and finance major. This policy applies to students accepted for matriculation as freshmen or as transfer students enrolled for the fall 2002 semester or thereafter. Students who receive more than two D's or F's in courses may continue as accounting and finance majors but must retake a sufficient number of the required courses in which the D's or F's were earned and earn a grade of C- or higher, so that no more than a total of two "ACFI" prefix required courses, with grades below C- will be counted towards fulfillment of the requirements in the accounting and finance major.

**Accounting Concentration**

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 340 Intermediate Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 341 Intermediate Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 406 Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 430 Cost Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 466 Federal Income Taxation I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 470 Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 492 Intermediate Accounting III</td>
<td>3</td>
</tr>
<tr>
<td>COMP 105 Computers and Their Applications: An Introduction</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 210 Statistics for Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141-142 Elements of Calculus I-II</td>
<td>6</td>
</tr>
<tr>
<td>MATH 318 Quantitative Methods for Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 140 Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 200 Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 490 Strategic Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total minimum credits: 66**

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

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**School of Business**

**Note:** See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Accounting and Finance

**Finance Concentration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 350 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 486 Internship in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>COMP 105 Computers and Their Applications:</td>
<td>3</td>
</tr>
<tr>
<td>An Introduction</td>
<td></td>
</tr>
<tr>
<td>ECON 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 315 Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>ECON 210 Statistics for Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 141-142 Elements of Calculus I</td>
<td>6</td>
</tr>
<tr>
<td>MATH 318 Quantitative Methods for Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 200 Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360 Fundamentals of Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 490 Strategic Management</td>
<td>3</td>
</tr>
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</table>

Total minimum credits: 75

**Core Curriculum Requirements**

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**Accounting and Finance Minor**

Students from arts and sciences, education, management, or aviation programs may elect this minor to broaden their background and expand their potential in job related areas of their respective disciplines. The central purpose of this minor is to provide initial exposure to the basic areas of business and the environment of the financial world.

**Required Courses:**

I. Both of the following courses:       
ACFI 240 Principles of Accounting I ... 3  
ACFI 241 Principles of Accounting II ... 3

II. Any two courses from among the following:  
(At least one must be an ACFI course) ... 6  
ACFI 150 Personal Finance  
ACFI 305 Business Law I  
ACFI 340 Intermediate Accounting I  
ACFI 341 Intermediate Accounting II

**Actuarial Science Minor**

This interdisciplinary minor, drawing from both high-level mathematics courses and finance courses is ideally suited for mathematics majors or accounting and finance majors who are interested in preparing for the actuarial science exam and in pursuing a career as an actuarial or in a related area.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MATH 151 Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 152 Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 251 Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

**NOTE:** No more than 3 credits in internship may be applied to the minor.

III. Any two courses from among the following: ... 6  
ACFI 340 Intermediate Accounting I  
ACFI 341 Intermediate Accounting II  
ACFI 406 Business Law II  
ACFI 430 Cost Accounting I  
ACFI 445 Auditing  
ACFI 455 International Finance  
ACFI 460 Advanced Accounting I  
ACFI 465 Options and Futures Markets  
ACFI 466 Federal Income Taxation I  
ACFI 470 Accounting Information Systems  
ACFI 476 Insurance and Risk Management  
ACFI 485 Capital Budgeting  
ACFI 486 Real Estate Investment and Finance  
ACFI 490 Investments  
ACFI 492 Intermediate Accounting III

**NOTE:** If ACFI 340 or ACFI 341 are used to satisfy requirement II, they cannot be used to satisfy requirement III.

**NOTE:** Students who double minor in both Accounting and Finance and in Actuarial Science may not apply ACFI 476 or ACFI 490 toward the minor in Accounting and Finance.

Total minimum credits: 18
Accounting and Finance

Choose one course from the following: ........................................ 3
ACFI 476 Insurance and Risk Management
ACFI 490 Investments
MATH 403 Probability Theory

Note: Accounting and finance majors may not choose ACFI 476 or ACFI 490 to satisfy the minor requirements. Mathematics majors may not choose MATH 403 to satisfy the minor requirements.

Total minimum credits: 21

TRANSFER OF CREDIT AFTER ADMISSION

In order for undergraduates to receive credit for courses taken at other accredited institutions, approval must be obtained in advance.

Application forms are available in the Registrar’s Office. Applications for approval of a course from another institution should be accompanied by the appropriate catalog from that institution. Transcripts of these approved courses must be submitted to the Registrar’s Office within six weeks after the completion of the course. Approval must be obtained prior to registering for class. It is the student’s responsibility to have official transcripts sent directly by the institution to the Registrar’s Office.

DEPARTMENTAL HONORS PROGRAM IN ACCOUNTING AND FINANCE

The Department of Accounting and Finance offers a departmental honors program in accounting and finance. This program provides an opportunity for well-qualified accounting and finance majors to conduct independent research and scholarly study in accounting and finance. Contact the Department of Accounting and Finance for further information concerning eligibility and application.

INTERNSHIP IN ACCOUNTING AND FINANCE

Students interested in earning internship credit should contact the Department of Accounting and Finance.

GRADUATE PROGRAMS

MASTER OF SCIENCE IN MANAGEMENT

Successful managers in the 21st century must have specialized knowledge and skills to meet a variety of changing and growing demands in the ever-expanding global marketplace. The Master of Science (MS) in Management program prepares students to apply systems thinking to managerial problems, direct large-scale projects, and lead people and organizations through complex change. The program emphasizes the role of information technology in the modern firm and the organizational changes occurring as a result. In addition, students gain focused instruction in a specific area of interest through one of four, three-course concentrations:
- Accounting
- Marketing
- Organizational Development
- Technology Management

Admission Requirements

1.) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2.) An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
3.) Two appropriate letters of recommendation
4.) Official transcripts of all undergraduate and graduate course work
5.) Working knowledge of computers is required

MASTER OF SCIENCE IN MANAGEMENT

For students who hold a bachelor’s degree:

The MS in Management requires 30 credits of graduate course work, including a core of five courses, a concentration area of three courses, one elective course and a capstone course. The program also requires two foundation courses, ACFI 505 Accounting and Finance for Managers and MGMT 506 Marketing and Contract Management. The foundation courses must be taken prior to taking the core or concentration courses. The foundation course requirements can be satisfied by completion of approved equivalent undergraduate courses including courses in accounting and finance for ACFI 505, and courses in marketing and law for MGMT 506. Students concentrating in accounting will need additional prerequisites. Accounting students may call 508.531.1395 or e-mail fdept@bridgewater.edu for information.

Admission Requirements:

1.) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2.) An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
3.) Three appropriate letters of recommendation
4.) Official transcripts of all undergraduate and graduate course work
5.) Working knowledge of computers is required

Five-year Bachelor of Science/Master of Science in Management

Undergraduate students who have completed at least 30 credit hours of course work at Bridgewater State College, have completed the undergraduate prerequisites, have taken the GMAT

Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
examination, and can complete all requirements for their BS or BA degree in 30 additional credits may apply for the five-year BS/MS program. Those admitted take a mix of undergraduate and graduate courses during their fourth and fifth year and graduate with both degrees. Admission to this program is selective and limited.

The Master of Science in Management with a Concentration in Accounting

Candidates for the MS in Management with an accounting concentration must successfully complete the following course requirements:

<table>
<thead>
<tr>
<th>Core</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 501 Systems Research and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 526 Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 576 Organizational Change and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 581 Information Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 582 Business System Design and Integration</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Area Requirements**

| ACFI 545 Auditing                           | 3       |
| ACFI 560 Advanced Accounting                 | 3       |

Select one course from the following: 3

ACFI 567 Advanced Taxation
ACFI 593 Financial Statement Analysis and Disclosure

**Elective:** Any approved MS course 3

**Capstone:** ACFI 595 Accounting Seminar 3

*For concentration and capstone requirements in marketing, organization development and technology management, see the "Department of Management" section of this catalog.

**Internship in Accounting and Finance**

Students interested in earning internship credit should contact the Department of Accounting and Finance.

Total minimum credits: 30
Aviation Science

Faculty

Chairperson: Associate Professor Michael Farley
Assistant Professors: Richard Abers, Veronica Coté, Michael Sloan

Department Telephone Number: 508.531.1779
Location: Harrington Hall, Room 111B
Web site: www.bridgew.edu/Aviation

Degree Program:
- BS in Aviation Science
  Concentrations: Aviation Management, Flight Training

UndergraduateMinor
- Aviation Science

Undergraduate Programs

Bachelor of Science in Aviation Science
The Department of Aviation Science offers a BS degree in Aviation Science with concentrations in flight training and aviation management. Graduates are prepared for entry into the aviation industry in productive, professional employment, or alternatively, for graduate study.

Federal Aviation Administration Certification of Bridgewater State College, as a Federal Aviation Regulation (FAR) Part 141 ground school, allows students to complete all required ground school courses at the college as part of the aviation science curriculum. Bridgewater State College is also designated by the Federal Aviation Administration as an Aviation Education Resource Center.

The Bridgewater State College aviation science program incorporates single engine and multi-engine flight simulator training into its flight training courses. For complete information on these programs, consult with the chairperson of the Department of Aviation Science.

Flight Training Concentration*
The flight training concentration combines academic studies and flight training, in order to prepare graduates for a wide variety of positions within the air transportation industry, including general, airline and military aviation. The flight program allows the student to obtain private pilot, commercial pilot, instrument pilot and flight instructor certificates.

The curriculum provides the flight training necessary to operate in the high-density environment of modern airspace. The program emphasizes critical thinking and analytical skills, as well as oral and written communication skills. Effective resource management, human factors, and safety awareness are constantly emphasized throughout the curriculum. Complementing the intensive flight training is expert classroom instruction and use of flight simulators. A career in the flight training concentration leads to the development, administration, and enforcement of safety regulations, including airworthiness and operational standards in civil aviation. This program prepares the graduate for a career path that starts as a certified flight instructor, and leads to positions with airlines and corporate flight departments.

*Please note that flight courses involve flight fees.

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

SCHOOL OF BUSINESS

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
AVIATION MANAGEMENT CONCENTRATION*

The aviation management concentration is designed to prepare graduates for managerial and supervisory positions throughout the air transportation industry. Primary flight training is included, along with broad exposure to aviation specific business and management courses. This program of study is interdisciplinary in nature and prepares the aviation career-oriented student for virtually any management career in aviation or aviation-related industries. Some of these positions include airport manager, air carrier manager, and general aviation operations manager.

**CREDITS**

ACFI 240 Principles of Accounting I ......................... 3
ACFI 241 Principles of Accounting II .......................... 3
AVSC 100 Private Pilot Flight .................................. 3
AVSC 105 Private Pilot Ground School ..................... 6
AVSC 305 Introduction to General Aviation Management .... 3
AVSC 307 Air Carrier Operations .............................. 3
AVSC 310 Aviation Safety ................................. 3
AVSC 402 Insurance and Risk Management in Aviation .... 3
AVSC 407 Aviation Marketing Management .................. 3
AVSC 471 Aviation Management ................................ 3
COMP 105 Computers and Their Applications: An Introduction ............................................. 3
ECON 102 Principles of Macroeconomics .................... 3
ENGL 201 Technical Writing I ................................ 3
GEOG 221 Meteorology ........................................ 3
MATH 110 Elementary Statistics I .............................. 3
MATH 141 Elements of Calculus I ............................. 3
MGMT 130 Principles of Management ........................ 3
MGMT 140 Human Resources Management ................ 3
MGMT 360 Business Data Processing ......................... 3
PHYS 181 Elements of Physics I ................................ 4
PHYS 183 Aviation Physics ...................................... 4

*Please note that flight courses involve flight fees.

One environmental science course: ................................ 3
EASC 194 Environmental Geology
or
GEOG 130 Environmental Geography
Total minimum credits: 71

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

AIRPORT MANAGEMENT CONCENTRATION
This program is inactive.

AVIATION SCIENCE MINOR*

The aviation science minor is divided into two options: a flight option and an aviation management option.

**Flight Option:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVSC 100 Private Pilot Flight</td>
<td>3</td>
</tr>
<tr>
<td>AVSC 105 Private Pilot Ground School</td>
<td>6</td>
</tr>
<tr>
<td>MGMT 130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Plus 6 credits in electives selected</td>
<td>6</td>
</tr>
<tr>
<td>Total minimum credits (flight option)</td>
<td>18</td>
</tr>
</tbody>
</table>

**Aviation Management Option:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVSC 305 Introduction to General Aviation Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 140 Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>Plus 9 credits in electives selected</td>
<td>9</td>
</tr>
<tr>
<td>Total minimum credits (aviation option)</td>
<td>18</td>
</tr>
</tbody>
</table>

**Electives:**

AVSC 100 Private Pilot Flight
AVSC 105 Private Pilot Ground School
AVSC 200 Instrument Flight
AVSC 211 Commercial Pilot Ground School
AVSC 212 Instrument Pilot Ground School
AVSC 300 Commercial Flight
AVSC 303 Flight Instructor Ground School
AVSC 305 Introduction to General Aviation Management
AVSC 307 Air Carrier Operations
AVSC 400 Instructional Flight
AVSC 402 Insurance and Risk Management in Aviation
AVSC 407 Aviation Marketing Management
MGMT 140 Human Resources Management

*Please note that flight courses involve flight fees.

FLIGHT TRAINING AND GROUND SCHOOL

Students enrolled in the aviation science program must take all flight and flight-related courses through Bridgewater State College except as provided below*. Flight training is provided under articulation agreements with Federal Aviation Administration (FAA) approved flight schools, which operate under Federal Aviation Regulation (FAR) Part 141. A list of college approved flight schools may be obtained from the aviation science department. Ground school courses are conducted by the college under Federal Aviation Regulation Part 141, as is the flight simulator training, which is required as a part of commercial and instrument flight training courses.

PHYSICAL EXAMINATIONS

Students seeking admission to the flight training concentration must pass a Class II or better FAA physical examination; a Class III FAA physical is required for the aviation management concentration or any other program involving flight courses.
A copy of the certification for the appropriate flight physical must be on file with the aviation coordinator before flight training begins.

**Academic Credit for Flight Training**

The following procedures for granting academic credit for flight and flight-related ground school training for both incoming freshman students and transfer students are in accord with pertinent college policies. These policies are designed to ensure academic quality and to maximize safety for the participants in the aviation science program. All students requesting academic credit for Bridgewater State College for flight and flight-related ground school training are subject to these provisions. Credit for all other course work will be considered as specified in the college catalog under the sections concerning "Transfer Admissions" and "Transfer of Credit after Admission."

*Entering Freshmen and Transfer Students:*

Freshmen or transfer students entering Bridgewater State College may request up to eighteen (18) credits for previous work in flight and flight-related ground school training under the following provisions:

1. To obtain credit for flight training, the student must: (a) provide valid documentation** of the flight training concerned, (b) hold a current, appropriate flight physical certificate, and (c) pass a flight proficiency test conducted by an aviation science approved flight instructor. (Additional flight training may be required if a student has difficulty passing the flight proficiency test.) All costs for the flight proficiency test (and any additional flight training) will be borne by the applicant.

2. Credit for training in FAA certified ground schools may be obtained by providing valid documentation** of the training concerned.

**Valid documentation includes pertinent log books and other certificates, licenses and verification of the training from the school(s) concerned. This verification must be in the form of a statement, which identifies the school, describes the curriculum under which the training was taken and specifies the number of class hours involved. The statement must be signed by the chief flight instructor of the school. Up to full credit may be granted for courses from flight schools operating under Federal Aviation Regulation (FAR) Part 141 and up to half credit for training from schools operating under FAR Part 61.

Credit authorized by the above procedure for flight and flight-related ground school courses may be applied as follows:

Students entering the flight training concentration may apply up to 17 credits and students entering the aviation management concentration may apply up to 13 credits toward the academic major; any additional authorized flight training credit will be designated as free electives. At least 50 percent of the credits in any major field (major department) must be earned at Bridgewater State College.

Students entering the aviation science minor may apply nine credits toward the minor; any balance may be credited toward free electives.

Authorized flight training credits specified above for the major, minor, and free electives may be applied toward the college graduation requirement of 120 credits (minimum).

**Please note:** For additional detailed information on the aviation science program call 508.531.1779 or write Chairperson, Department of Aviation Science, Bridgewater State College, Bridgewater, Massachusetts 02325.

Upon acceptance into the aviation science program, students must obtain a copy of the "Department of Aviation Science Policies and Procedures Manual." All students MUST comply with the policies and procedures as set forth in said manual. A copy of the policies and procedures manual can be obtained upon request through the Department of Aviation Science.

**Honors Program**

The Honors Program in Aviation Science provides highly motivated Aviation Science majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in Aviation Science. Contact the Department of Aviation Science for further information concerning eligibility and application.

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**SCHOOL OF BUSINESS**

*Note:* See Catalog Web Addenda at [www.bridgew.edu/catalog/addenda/](http://www.bridgew.edu/catalog/addenda/) as that information supersedes the published version of this catalog.
Economics

Faculty
Chairperson: Professor Margaret Brooks
Professor: Anthony Cicerone
Assistant Professors: Liter Bakkal, Soma Ghosh, Michael Jones, Daniel Lomba

Location: Hunt Hall, Room 113
Web site: www.bridgew.edu/Economics

Degree Program
• BS in Economics

Undergraduate Minor
• Economics

Undergraduate Programs

Economics Major
The major in economics is a comprehensive program which enables students to become familiar with many aspects of the economy and provides them with training in economic analysis and problem-solving techniques. A strong background in economic theory will prepare students for entry into fields such as banking, finance, business, politics and real estate.

Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201 Intermediate Microeconomic Theory and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 205 Intermediate Macroeconomic Theory and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 210 Statistics for Economics and Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus five 300 level or higher economics courses for a total of 30 credit hours in economics. 15
Total minimum credits: 30

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Note: The Bachelor of Arts in Economics is inactive.

Economics Minor
The minor in economics offers a basic program which enables students to become familiar with some aspects of the economy and provides them with training in economic analysis and problem-solving techniques.

Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 201 Intermediate Microeconomic Theory and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 205 Intermediate Macroeconomic Theory and Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECON 210 Statistics for Economics and Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus a minimum of two other economics courses at the 300 or 400 level. The two courses, MATH 110 Elementary Statistics I and MATH 318 Quantitative Methods for Management, may be substituted for ECON 210. 6
Total minimum credits: 21
Management

Faculty

Chairperson: Professor Sylvia Keyes

Graduate Program Coordinator: Professor Mercer Fellouris

Professors: Jeanne Aurelio, Jon Bryan, Craig Cowles, Helene Fine, Dorothy Mulcahy, Frank Sterrett

Assistant Professors: Martin Grossman, Yehia Kamel, Stanley Ross, Peter Sietins, Robert Walk

Department Telephone Number: 508.531.1374
Location: Harrington Hall, Room 110C
Web site: www.bridgew.edu/Management

Degree Programs
- BS in Management
  Concentrations: General Management, Energy and Environmental Resources Management, Global Management, Information Systems Management, Marketing, Transportation
- Master of Science in Management (MS)
  Concentrations: Accounting, Marketing, Organization Development, Technology Management

Undergraduate Minor
- Management

Undergraduate Programs

Bachelor of Science in Management
The management concentrations educate students for successful careers in business and management. The program provides general education, other liberal arts courses and specific management education for students with career interests in general business, transportation, energy and environmental resources, marketing, global management, information systems, human resources and operations management.

With a curriculum embedded in a strong liberal arts framework, students learn how business decisions relate to society — culturally, economically, ethically and socially — while developing the skills and knowledge that will enable them to assume management responsibilities.

Students who enroll in the management program can gain experience through internships and courses that provide practical, on-the-job professional opportunities. These valuable learning experiences, coupled with the college's development as a regional resource for business and industry, offer students significant contact with business and management leaders.

General Management Concentration

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 350 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>COMP 105 Computers and Their Applications: An Introduction</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 210 Statistics for Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 144 Applied Calculus for Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 318 Quantitative Methods for Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 140 Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 200 Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360 Fundamentals of Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 425 Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 490 Strategic Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one option:

Operations Option
- MGMT 340 Labor Relations | 3 |
- MGMT 470 Materials Management | 3 |
- MGMT 475 Statistical Process Control | 3 |

Total minimum credits (operations option): 60

Human Resources Option
- MGMT 303 Organizational Behavior | 3 |
- MGMT 340 Labor Relations | 3 |
- MGMT 375 Personnel Development | 3 |

Total minimum credits (human resources option): 60

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Energy and Environmental Resources Management Concentration

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 350 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 131 Survey of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 132 Survey of Chemistry II</td>
<td>3</td>
</tr>
</tbody>
</table>

SCHOOL OF BUSINESS

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Management

CHEM 250 Instrumentation ....................................................... 3
COMP 105 Computers and Their Applications: An
Introduction ........................................................................... 3
EASC 100 Physical Geology .................................................... 3
EASC 194 Environmental Geology ........................................... 3
EASC 240 Hydrology ............................................................... 4
ECON 101 Principles of Microeconomics ................................ 3
ECON 102 Principles of Macroeconomics ................................ 3
ECON 210 Statistics for Economics and Business .................... 3
GEOG 121 Physical Geography ............................................... 4
GEOG 332 Management and Preservation of the
Natural Environment ............................................................ 3
MATH 144 Applied Calculus for Business ............................... 3
MATH 318 Quantitative Methods for Management ................... 3
MGMT 130 Principles of Management ..................................... 3
MGMT 140 Human Resources Management ........................... 3
MGMT 200 Marketing Principles ............................................. 3
MGMT 360 Fundamentals of Information Systems .................... 3
MGMT 460 Public Policy and Government
Regulation in Global Management ......................................... 3
MGMT 490 Strategic Management .......................................... 3
PHYS 180 Energy and Its Social Uses ...................................... 3

Total minimum credits: 81

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation.
These earned hours include Core Curriculum requirements as
specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the
"Undergraduate Academic Policies" section of this catalog.

GLOBAL MANAGEMENT CONCENTRATION

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 350 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 455 International Finance</td>
<td>3</td>
</tr>
<tr>
<td>COMM 365 Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>
| COMP 105 Computers and Their Applications: An
Introduction                                      | 3       |
| ECON 101 Principles of Microeconomics    | 3       |
| ECON 102 Principles of Macroeconomics    | 3       |
| ECON 210 Statistics for Economics and Business | 3     |
| ECON 321 International Economics        | 3       |
| MATH 144 Applied Calculus for Business  | 3       |
| MATH 318 Quantitative Methods for Management | 3 |
| MGMT 130 Principles of Management     | 3       |
| MGMT 140 Human Resources Management   | 3       |
| MGMT 200 Marketing Principles        | 3       |
| MGMT 360 Fundamentals of Information Systems | 3 |
| MGMT 410 International Marketing and Physical Distribution | 3 |

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credits</th>
</tr>
</thead>
</table>
| MGMT 460 Public Policy and Government
Regulation in Global Management | 3       |
| MGMT 490 Strategic Management  | 3       |
| POLI 260 International Relations| 3       |
| Proficiency in four levels of one foreign language | 12 |

Total minimum credits: 78

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation.
These earned hours include Core Curriculum requirements as
specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the
"Undergraduate Academic Policies" section of this catalog.

INFORMATION SYSTEMS MANAGEMENT CONCENTRATION

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 350 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>COMP 101 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>COMP 102 Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>COMP 210 COBOL I</td>
<td>3</td>
</tr>
<tr>
<td>COMP 211 COBOL II</td>
<td>3</td>
</tr>
<tr>
<td>COMP 410 Database Applications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 210 Statistics for Economics and Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 144 Applied Calculus for Business</td>
<td>3</td>
</tr>
<tr>
<td>MATH 318 Quantitative Methods for Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 130 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 140 Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 200 Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 360 Fundamentals of Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 480 Systems Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 490 Strategic Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total minimum credits: 69

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation.
These earned hours include Core Curriculum requirements as
specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the
"Undergraduate Academic Policies" section of this catalog.

MARKETING CONCENTRATION

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 305 Business Law I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 350 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

SCHOOL OF BUSINESS
Management

COMP 105 Computers and Their Applications: An Introduction ................................................. 3
ECON 101 Principles of Microeconomics .................................................................................. 3
ECON 102 Principles of Macroeconomics .................................................................................. 3
ECON 210 Statistics for Economics and Business .................................................................... 3
MATH 144 Applied Calculus for Business ................................................................................ 3
MATH 318 Quantitative Methods for Management ................................................................. 3
MGMT 130 Principles of Management ..................................................................................... 3
MGMT 140 Human Resources Management ........................................................................... 3
MGMT 200 Marketing Principles ............................................................................................ 3
MGMT 360 Fundamentals of Information Systems .................................................................. 3
MGMT 420 Marketing Research ............................................................................................... 3
MGMT 424 Advertising ........................................................................................................... 3
MGMT 430 Sales Management ................................................................................................. 3
MGMT 490 Strategic Management .......................................................................................... 3
MGMT 494 Marketing Management and Strategy ................................................................. 3

And any one of the following three marketing elective courses: .................................................. 3

MGMT 410 International Marketing and Physical Distribution
MGMT 415 Retail Management
MGMT 440 Industrial Marketing

Total minimum credits: 63

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

TRANSPORTATION CONCENTRATION CREDITS
ACFI 240 Principles of Accounting I ................................................................. 3
ACFI 241 Principles of Accounting II .............................................................................. 3
ACFI 305 Business Law I ................................................................................................. 3
ACFI 350 Managerial Accounting ...................................................................................... 3
ACFI 385 Managerial Finance ............................................................................................. 3
COMP 105 Computers and Their Applications: An Introduction .................................... 3

Any one COMP programming course .............................................................................. 3
EASC 100 Physical Geology ................................................................................................. 4

or

GEOG 121 Physical Geography ............................................................................................. 3
ECON 101 Principles of Microeconomics .......................................................................... 3
ECON 102 Principles of Macroeconomics .......................................................................... 3
ECON 210 Statistics for Economics and Business .............................................................. 3
GEOG 350 Economic Geography ....................................................................................... 3
GEOG 353 Urban Geography ............................................................................................. 3
GEOG 365 Geography of Transportation ........................................................................... 3
MATH 144 Applied Calculus for Business ......................................................................... 3
MGMT 130 Principles of Management ................................................................................. 3
MGMT 140 Human Resources Management ....................................................................... 3
MGMT 200 Marketing Principles ......................................................................................... 3
MGMT 360 Fundamentals of Information Systems ............................................................ 3

MGMT 490 Strategic Management ......................................................................................... 3
POLI 279 Introduction to Public Administration ................................................................. 3
POLI 376 Urban Politics ........................................................................................................ 3
SOCI 206 Cities and People: Urban Sociology .................................................................. 3

Total minimum credits: 73

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

MANAGEMENT MINOR
Students from liberal arts and other programs may elect this minor to broaden their background and expand their potential in job related areas of their respective disciplines. The central purpose of this minor is to provide initial exposure to the basic areas of business and the environment of the business world.

Required courses*: CREDITS
ACFI 240 Principles of Accounting I ................................................................. 3
MGMT 130 Principles of Management .............................................................................. 3
MGMT 200 Marketing Principles (Prerequisite: MGMT130 and ECON 101 or ECON 102 or consent of department) .......................................................... 3

Plus three additional electives from any ACFI or MGMT courses for which prerequisites have been completed .................................................. 9

• One economics course (either ECON 101 Principles of Microeconomics or ECON 102 Principles of Macroeconomics) may be used toward the completion of these three required electives.

• Majors in accounting and finance and aviation science majors with a concentration in aviation management must take at least two MGMT courses at the 300 or 400 level, not to include MGMT 360 or MGMT 490 to fulfill the elective requirements.

* At least one half of the courses required for the minor must be successfully completed at this college.

Total minimum credits: 18

TRANSFER OF CREDIT AFTER ADMISSION
In order for undergraduates to receive credit for courses taken at other accredited institutions, approval must be obtained in advance.

Application forms are available in the Registrar's Office. Applications for approval of a course from another institution should be accompanied by the appropriate catalog from that institution. Transcripts of these approved courses must be submitted to the Registrar's Office within six weeks after the completion of the course. Approval must be obtained prior to registering for class. It is the student's responsibility to have

SCHOOL OF BUSINESS

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Management

official transcripts sent directly by the grade-granting institution to the Registrar's Office at Bridgewater State College.

HONORS PROGRAM
The Department of Management offers a departmental honors program in management. This program provides an opportunity for well-qualified management majors to conduct independent research and scholarly study in management. Contact the Department of Management for further information concerning eligibility and application.

GRADUATE PROGRAMS

MASTER OF SCIENCE IN MANAGEMENT
Successful managers in the 21st century must have specialized knowledge and skills to meet a variety of changing and growing demands in the ever-expanding global marketplace. The Master of Science (MS) in Management program prepares students to apply systems thinking to managerial problems, direct large-scale projects, and lead people and organizations through complex change. The program emphasizes the role of information technology in the modern firm and the organizational changes occurring as a result. In addition, students gain focused instruction in a specific area of interest through one of four, three-course concentrations:
- Accounting
- Marketing
- Organization Development
- Technology Management

Admission Requirements
1.) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2.) An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
3.) Three appropriate letters of recommendation
4.) Official transcripts of all undergraduate and graduate course work
5.) Working knowledge of computers is required

MASTER OF SCIENCE IN MANAGEMENT
For students who hold a bachelor's degree
The MS in Management requires 30 credits of graduate course work, including a core of five courses, three concentration courses, one elective, and one capstone course. Students in the technology management concentration, marketing concentration or organizational development concentration take MGMT 590 Management Systems Seminar as their capstone course. The foundation courses must be taken prior to taking the core or concentration courses and may not be used to fulfill the 30-credit program requirements. The foundation course require-ments can be satisfied by completion of approved equivalent undergraduate courses: courses in accounting and finance for ACFI 505, and courses in marketing and law for MGMT 506. Students concentrating in accounting will need additional prerequisites. Accounting students may call 508-531-1395 or e-mail afdept@bridgew.edu for information.

Five-year Bachelor of Science in Management/Master of Science in Management
Undergraduate students who have completed at least 30 credits of course work at Bridgewater State College, have completed the undergraduate prerequisites, have taken the GMAT examination, and can complete all requirements for their BS or BA degree in 30 additional credits may apply for the five-year BS/MS program. Those admitted take a mix of undergraduate and graduate courses during their fourth and fifth year, and graduate with both degrees. Admission to this program is selective and limited.

The Master of Science in Management Curriculum
Candidates for the MS must successfully complete the following course requirements:

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 501 Systems Research and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 526 Project Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 576 Organizational Change and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 581 Information Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 582 Business System Design and Integration</td>
<td>3</td>
</tr>
<tr>
<td>Total minimum core credits:</td>
<td>15</td>
</tr>
</tbody>
</table>

Concentration Area Requirements*

*For accounting concentration and capstone requirements, see the "Department of Accounting and Finance" section of this catalog.

Marketing Concentration

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT 510 International Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 540 Industrial Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 554 Issues in Global E-Commerce</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 594 Marketing Management and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>One elective: Any approved (ACFI or MGMT) MS course</td>
<td>3</td>
</tr>
<tr>
<td>Capstone: MGMT 590 Management Systems Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Total minimum credits (marketing):</td>
<td>30</td>
</tr>
</tbody>
</table>

Organization Development Concentration

Core Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

SCHOOL OF BUSINESS
MGMT 572 Interpersonal and Group Behavior .................................. 3
MGMT 578 Organizational Development ....................................... 3

Select one course from the following: ..................................... 3
MGMT 571 Organizational Culture and Workforce Diversity
MGMT 577 Power and Influence in Organizations

One elective: Any approved (ACFI or MGMT) MS course .......... 3
Capstone: MGMT 590 Management Systems Seminar .......... 3
Total minimum credits (organization development): 30

**Technology Management**

**Concentration**

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>.........................</td>
<td>15</td>
</tr>
</tbody>
</table>

Select three courses from the following: ......................... 9
MGMT 527 Product Development Processes
MGMT 528 Quality and Risk Management
MGMT 561 Environmental Management
MGMT 562 Strategic Management of Technological Innovation

One elective: Any approved (ACFI or MGMT) graduate course ........................................ 3
Capstone: MGMT 590 Management Systems Seminar ............. 3

Total minimum credits (technology management concentration): 30

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**SCHOOL OF BUSINESS**

*Note: See Catalog Web Addenda at [www.bridgewater.edu/catalog/addenda/](http://www.bridgewater.edu/catalog/addenda/) as that information supersedes the published version of this catalog.*
<table>
<thead>
<tr>
<th>Academic Departments</th>
<th>Academic Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Counselor Education</strong></td>
<td><strong>Counselor Education</strong></td>
</tr>
<tr>
<td><strong>Elementary and Early Childhood Education</strong></td>
<td><strong>Elementary and Early Childhood Education</strong></td>
</tr>
<tr>
<td><strong>Movement Arts, Health Promotion and Leisure Studies</strong></td>
<td><strong>Movement Arts, Health Promotion and Leisure Studies</strong></td>
</tr>
<tr>
<td><strong>PreK-12 Education (For Educators in Non-U.S. Settings)</strong></td>
<td><strong>PreK-12 Education (For Educators in Non-U.S. Settings)</strong></td>
</tr>
<tr>
<td><strong>Secondary Education and Professional Programs</strong></td>
<td><strong>Secondary Education and Professional Programs</strong></td>
</tr>
<tr>
<td><strong>Special Education and Communication Disorders</strong></td>
<td><strong>Special Education and Communication Disorders</strong></td>
</tr>
<tr>
<td><strong>Educational Leadership</strong></td>
<td><strong>Educational Leadership</strong></td>
</tr>
<tr>
<td><strong>Instructional Technology</strong></td>
<td><strong>Instructional Technology</strong></td>
</tr>
</tbody>
</table>

**Location:** Hart Hall, Room 124  
**Web site:** [www.bridgew.edu/SoEd](http://www.bridgew.edu/SoEd)

**Dr. Anna Bradfield**  
Dean, School of Education and Allied Studies

**Ms. Mary Ann McKinnon**  
Assistant Dean

For information on this program contact the School of Graduate Studies 508.531.1300
The School of Education and Allied Studies offers undergraduate and graduate programs for the professional preparation of early childhood, elementary, special education, middle and high school teachers, as well as for specialized positions in school and community-based organizations and agencies. All programs in the school are devoted to developing professionals who are committed to excellence, understand best practices and research and work collaboratively in their chosen areas. The school also provides service to the schools, community organizations and agencies of the region. The school conducts an on-going review of professional standards and requirements in order to respond to the changing needs of the profession. Graduates of programs leading to initial licensure are ready to enter the profession of teaching. During advanced degree programs leading to the professional stage of licensure and other graduate course work, educators strengthen their leadership abilities and their commitment to lifelong learning.

Extensive field experiences in schools and agencies contribute to the development of meaningful linkages between study and practice. Procedures and guidelines are implemented to ensure that high quality standards are maintained in field-based experiences and that students have experiences working in settings with diverse populations of children and youth.

Students following the curricula leading to a bachelor of science in education degree are prepared as early childhood, elementary or special needs teachers. Students majoring in early childhood education, elementary education or special education must complete an arts and sciences major (for special education (5-12), a major taught in grades 5-12), as well as a major in the School of Education and Allied Studies. Students majoring in most curricula leading to a bachelor of arts or a bachelor of science degree may select a minor in Secondary Education, which prepares them for middle school and/or high school teaching. Students majoring in physical education earn a bachelor of science or bachelor of arts degree.

UNDERGRADUATE PROGRAMS

Majors in:
- Athletic Training
- Early Childhood Education
- Elementary Education (Concentration in):
  - Early Education and Care, PreK-K (non-public school licensure)
- Health Education (Teacher licensure option in):
  - Health/Family and Consumer Sciences PreK-12
- Physical Education (Concentrations in):
  - Coaching
  - Exercise Science/Health Fitness
  - Motor Development Therapy/Adapted Physical Education
  - Recreation
  - Recreation and Fitness Club Administration
  (Teacher Licensure available in):

Teacher Licensure in Physical Education (PreK-8)
Teacher Licensure in Physical Education (5-12)
Special Education (Concentration in):
  - Communication Disorders
  (Teacher Licensure available in):
  - Teacher of Students with Moderate Disabilities (PreK-8, 5-12)
  - Teacher of Students with Severe Disabilities (all levels)

Minors in:
- Coaching
- Communication Disorders
- Dance
- Exercise Physiology
- Health Promotion
- Health Resources Management
- Recreation
- Special Education

Secondary Education minor (High School, Middle School Education or PreK-12 specialist licenses) with majors, concentrations, or options in:
- Biology
- Chemistry
- Dance (all levels)
- Earth Sciences
- English
- Health/Family and Consumer Sciences (all levels)
- History
- Mathematics
- Music (all levels)
- Physics
- Theater (all levels)
- Visual Art (PreK-8 and 5-12)

POSTBACCALAUREATE, GRADUATE, AND POSTMASTER’S PROGRAMS

Postbaccalaureate programs leading to initial licensure are offered in:
- Early Childhood Education
- Elementary Education
- Health/Family and Consumer Sciences (PreK-12)
- Physical Education (PreK-8) (5-12)
- Secondary Education (Middle School/High School PreK-12 Specialist)
- Special Education (Moderate and Severe Disabilities)

SCHOOL OF EDUCATION AND ALLIED STUDIES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Graduate curricula leading to the master's degree and Certificate of Advanced Graduate Study (CAGS) are offered in the following fields:

**Master's Programs**
- Master of Arts in Teaching
- Master of Education in Counseling
- Early Childhood Educational Leadership
- Elementary Education
- Health Promotion
- Instructional Technology
- PreK–12 Education (For Educators in Non-U.S. Settings)
- Reading
- Special Education
- Master of Science in Athletic Training
- Physical Education

**Post Master's Programs:**
- Certificate of Advanced Graduate Study (CAGS in Education)

**Concentrations in:**

**Counseling**
**Educational Leadership**

**Consult office of:**
- Secondary Education and Professional Programs (in conjunction with several of the Departments in the School of Arts and Sciences)
- Counselor Education
- Secondary Education and Professional Programs
- School of Graduate Studies
- Elementary and Early Childhood Education
- Movement Arts, Health Promotion and Leisure Studies
- Special Education and Communication Disorders
- Movement Arts, Health Promotion and Leisure Studies
- Counselor Education
- Secondary Education and Professional Programs

**Licensure of Educational Personnel**

All candidates seeking Massachusetts Educator Licensure are advised to check with their individual education departments or the School of Education and Allied Studies offices regarding regulation changes which may have an impact on their licensure program.

The School of Education and Allied Studies, through its departments and committees, offers the following state approved programs leading to Massachusetts licensure and eligibility for licensure in participatory states and territories through the Interstate Certification Contract. Information on undergraduate and graduate programs leading to licensure is found in appropriate departmental sections.

**Educator Licensure Programs:**

Administrator of Special Education (all levels)
- Early Childhood Teacher of Students with or without Disabilities (PreK-2)
- Elementary (1-6)
- Instructional Technology (all levels)
- Reading Specialist (all levels)
- School Social Worker/School Adjustment Counselor (all levels)
- School Business Administrator (all levels)
- School Guidance Counselor (PreK-8)
- School Guidance Counselor (5-12)
- School Principal/Assistant Principal (PreK-6)
- School Principal/Assistant Principal (5-8)
- School Principal/Assistant Principal (9-12)
- Superintendent/Assistant Superintendent (all levels)
- Supervisor/Director (all levels)
- Teacher of Biology (5-8)
- Teacher of Biology (8-12)
- Teacher of Chemistry (5-8)
- Teacher of Chemistry (8-12)
- Teacher of Dance (all levels)
- Teacher of Earth Science (5-8)
- Teacher of Earth Science (8-12)
- Teacher of English (5-8)
- Teacher of English (8-12)
- Teacher of Health/Family and Consumer Sciences (all levels)
- Teacher of History (5-8)
- Teacher of History (8-12)
- Teacher of Mathematics (5-8)
- Teacher of Mathematics (8-12)
- Teacher of Music (all levels)
- Teacher of Physical Education (PreK-8)
- Teacher of Physical Education (5-12)
- Teacher of Physics (5-8)
- Teacher of Physics (8-12)
Students who wish to be elementary, early childhood or special education teachers, are required to select a major in elementary, early childhood or special education and a major in the liberal arts or sciences. All teachers licensed by the Commonwealth of Massachusetts are required to have a major in the liberal arts or sciences.

The following majors meet the arts and sciences requirement at Bridgewater State College:

- Anthropology
- Art
- Biology
- Chemistry
- Earth Science
- Economics
- English
- Geography
- History
- Mathematics
- Music
- Philosophy
- Physics
- Political Science
- Psychology
- Sociology
- Spanish
- Communication Studies
- and Theater Arts

Students should consult with both their arts and sciences advisor and their education advisor each semester (with a final check the semester prior to their last semester) to insure that all licensure and academic degree requirements have been successfully met.

It is the student’s responsibility to insure that all required course work is successfully completed for general education, the liberal arts and sciences major, and the state approved major or minor which leads to licensure. Students must additionally assume responsibility for submitting all materials to appropriate offices by the established deadlines.

Please note, all candidates seeking Massachusetts Educator Licensure are required at the time of application to sign an affidavit indicating that they have not been convicted of and are not under charges for any crime (misdemeanor or felony) and have not been identified by any child protection agency as a perpetrator of child abuse.

Students having questions regarding their licensure and/or academic requirements should consult with their advisor, the appropriate department chairperson or the graduate program coordinator for additional information.

ADMISSION TO AND RETENTION IN PROFESSIONAL EDUCATION PROGRAMS — UNDERGRADUATE STUDENTS

All undergraduate students preparing for a career in education which requires licensure must formally apply, satisfy all selection criteria, and be recommended for admission into professional education programs in the School of Education and Allied Studies. Students may not enroll in education courses beyond the introductory level until they have met all admissions criteria and are officially admitted to the program.

Criteria for Admission

The following criteria have been established as minimum requirements for admission to a professional education program:

1. Candidates must be matriculated into an undergraduate arts or sciences degree program (with appropriate undergraduate major/equivalent).

2. Candidates must provide proof of having attained a passing score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).

3. Candidates must have an overall cumulative Grade Point Average of 2.8. This minimum GPA must be maintained throughout the professional education program.

4. Candidates must demonstrate proof of proficiency in written English (minimum grades of “C+” in ENGL 101 and ENGL 102 or equivalent).

5. Candidates must provide evidence of early field based experiences working with children or youth in schools or other agencies as part of an introduction to education course (ECED 230, EDHM 210, ELED 220, SPED 202 or PHED 205). The number of hours and placement are determined by the department.

6. Candidates must have a complete health record (Immunization Record) on file with the Office of Health Services.

7. Candidates must interview, if required, with their individual education departments (check with department).

8. Candidates must provide two faculty recommendation ratings of at least "recommend" or "highly recommend" on the forms provided with the application packet.

9. Candidates must submit a complete Application for Admission to a Professional Education Program. The application includes biographical data, information on employment and volunteer experiences, and verification of completion of criteria 1-8 above. The application will be reviewed to determine competency in written expression of the English language and should reflect the candidate’s commitment to a career in education. Therefore, candidates should pay particular attention to correct spelling and the proper use of grammar when completing the application.

Candidates seeking admission to the professional education block in elementary or early childhood education should consult the
Admission Deadlines
Students must apply and be admitted to a professional education program before they may enroll in upper level (beyond the introductory level) professional education courses. Students are responsible for maintaining communication with their academic advisers and for preparing and submitting the completed application packets. Applications are accepted at any time. To ensure adequate time for processing, however, application should be made several weeks in advance of the anticipated date of registration for professional education courses.

All students enrolling in upper level courses in the School of Education and Allied Studies must have been officially accepted into professional education.

Admission Process
The following is the established process for admission to an initial licensure program in the School of Education and Allied Studies:

1. The student receives the application packet from the instructor of the introduction to education course (ECED 230, EDHM 210, ELED 220, SPED 202 or PHED 205) or downloads an application from the School of Education and Allied Studies website www.bridgew.edu/licensurefield/placement/

2. The student completes the application as directed in the packet and returns it to the Office of Professional Education.

3. Students will be notified via mail of the status of their application.

Admission to and Retention in Professional Education Programs — Postbaccalaureate/Graduate Students
All postbaccalaureate teacher education candidates must be admitted to a postbaccalaureate program through Graduate Admissions (see the "School of Graduate Studies" section of this catalog). Candidates must submit evidence of a minimum 2.8 overall undergraduate grade point average, passing scores on appropriate sections of the Massachusetts Tests for Educator Licensure (MTEL), three recommendations and biographical information as part of the Graduate admissions process.

Please note, teacher preparation candidates may be asked to authorize a Criminal Offender Record Inquiry (CORI) as a requirement for access to public and private schools and agencies during their prepractica and practica field experience. Also, the Department of Education requires all candidates to sign an affidavit which states they "have not been convicted of nor are currently charged with any crime (misdemeanor or felony)" as part of their application for a Massachusetts educator's license.

Retention and Exit Requirements
Students must remain in full compliance with all regulations, requirements, policies and procedures of the School of Education and Allied Studies, the School of Graduate Studies, the college and the State Department of Education.

Admission/Retention Appeal Process
A student who wishes to request reconsideration of a professional education program admission/retention decision may submit a written letter of appeal to the dean of the School of Education and Allied Studies.

Application for Practicum — Undergraduate and Postbaccalaureate Programs

Admissions Criteria
The following criteria must be met for admission to the practicum (student teaching):

1. Candidates must be matriculated into an undergraduate arts and sciences degree or graduate licensure program

2. Candidates must satisfy all admission criteria for professional education programs (MTEL® passing scores, English proficiency, prepractica hours, health records), and maintain continued good standing in the School of Education and Allied Studies.

3. Candidates must have a 2.8 overall cumulative grade point average. Middle school and high school teacher candidates must also have a 2.8 grade point average in the arts and sciences major.

4. Candidates must submit evidence of having passed all three parts of the Massachusetts Tests for Educator Licensure (MTEL®), including the appropriate subject tests.

5. Candidates must have successfully completed all prerequisite courses and prepractica field experiences.

6. Candidates must obtain departmental approval (via the signature of chair or graduate coordinator on their student teaching application).

Admission Deadline
1. The deadline for submitting the completed application packet...
to the Field Experience Office is Feb. 1 to student teach the following fall and Sept. 30 to student teach the following spring.

All practica are completed within the college's service area at centers and sites established by the School of Education and Allied Studies. Students are supervised by appropriately qualified faculty. In that the practica experiences are intense and rigorous, it is recommended that students not enroll in other courses during the semester that they student teach.

Criminal Offender Record Inquiries (CORI) are conducted by placement sites. An unsatisfactory CORI report is a reason for refusal of placement by the Bridgewater State College Office of Field Placement and cooperating school districts and agencies.

Written complaints filed by schools or agencies relative to a student teacher will be reviewed by a committee from the School of Education and Allied Studies. In instances where the student teacher has not met the procedures, policies, standards and/or expectations of the college as set forth in this catalog, the Practicum Handbook and/or other college documents, the student may be removed from the assignment and the program.

**Admission to, Retention in and Exit from Professional Education Programs – MAT, MEd, CAGS**

All graduate students seeking licensure must formally apply, satisfy all selection criteria and be recommended for admission into professional education programs in the School of Education and Allied Studies, and the School of Graduate Studies.

The following requirements and criteria for admission to and retention in licensure and degree programs in the School of Education and Allied Studies and the School of Graduate Studies have been established:

1. All students must be formally admitted to a graduate degree or licensure program by the School of Graduate Studies.
2. Students must remain in good standing with the School of Graduate Studies and the School of Education and Allied Studies.

**Substitutions/Waivers for Licensure**

Undergraduate and graduate students with prior courses and/or experiences which are equivalent to or exceed those required in a particular state approved program may request a substitution by way of their academic adviser through their department. Students should contact their adviser for a copy of this institutional process. Grades of D and F cannot be used. This procedure is for licensure standards only; consult the major department for degree requirements.

**Professional Education Review Process**

A student who experiences a problem pertaining to program waiver, licensure or other matters may request consideration under the School of Education and Allied Studies’ established review process.

The first step is for the student to submit a written appeal to his or her adviser. If the situation cannot be resolved at this level, the student and/or adviser will then proceed to the department chairperson or graduate coordinator. Should the student’s situation not be resolved, then the student may petition the dean of the School of Education and Allied Studies for review. The dean, at his or her discretion, may convene a review board to hear the appeal.

**Licensure Application**

Students wishing to apply for their Massachusetts Department of Education initial educator’s license will obtain application instructions during the Educator Licensure/Career Services Meeting scheduled each semester during a student’s initial internship/practicum. Bridgewater State College participates in the Department of Education’s online Educator Licensure and Recruitment system (ELAR). Candidates can access ELAR via the following web address: www.doe.mass.edu/educators/e_license.html.

BSC program completers seeking licensure through the ELAR system must fill out a Request for Recommendation Form and submit it to the Office of Professional Education.

Candidates applying for professional licensure should meet with the licensure coordinator in the School of Education and Allied Studies during their last semester of coursework at the college to review requirements and application procedures.

All candidates seeking Massachusetts Educator Licensure are required at the time of application to sign an affidavit indicating that they have not been convicted of and are not under charges for any crime (misdemeanor or felony) and have not been identified by any child protection agency as a perpetrator of child abuse.

**Licensure Tests**

*Massachusetts Tests for Educator Licensure®*  
The Massachusetts Department of Education has contracted with National Evaluation Systems (NES) in Amherst, MA, to develop and administer the educator licensure test system. Students and interested persons may contact N.E.S. to obtain information regarding upcoming test administrations and registration information at 413.256.2892 or www.MTEL.nesinc.com. Registering, taking and achieving passing scores of the Massachusetts Tests for Educator Licensure® (MTEL) is the student’s responsibility and is required for educational licensure in the state of Massachusetts. Registration bulletins and additional information may also be obtained in the Office of the School of Education and Allied Studies reception area.

Students must provide evidence of having attained a passing score (as determined by the Massachusetts Department of Education)
on the Communication and Literacy portion of the Massachusetts Tests for Educator Licensure® as part of the admission criteria of the School of Education and Allied Studies.

Students must provide evidence of having attained a passing score (as determined by the Massachusetts Department of Education) on the appropriate subject tests of the Massachusetts Tests for Educator Licensure® prior to being placed for student teaching. Students are encouraged to consult with their individual departments regarding program specific MTEL requirements.

**MASTEr OF EDUCATION PreK-12 EDUCATION (FOR EDUCATORS IN Non-U.S. SETTINGS)**
This program is designed for individuals who wish to earn a graduate degree in PreK-12 Education for Educators in Non-U.S. Settings. The program is for American citizens who hold undergraduate U.S. degrees and are teaching overseas.

**Admission Requirements:**
1) Hold a bachelor's degree from an accredited college
2) 2.8 grade point average
3) Three letters of recommendation; at least two should be from professors and the third can be from a professional employer
4) Submit a completed application with statement of intent
5) Achieve a minimum GPA of 3.0 for the first two degree courses

**Program Requirements:**
Core Courses (15 credits):
EDMC 530 The Teacher as Researcher .......................................................... 3
EDMC 531 The Standards-Based Classroom: Curriculum ........................... 3
EDMC 532 The Teacher as Leader: From Issues to Advocacy ...................... 3
EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners .......................................................... 3
EDMC 538 The Professional Teacher

Elective Courses (15 credits):
In collaboration with the non-U.S. setting site, Bridgewater State College will identify course work that meets the needs of the students. ........................................................................................................................................ 15

Degree requirements include a minimum of (30) approved graduate credits and the successful completion of the comprehensive examination.

Total minimum credits: 30

**CERTIFICATE OF ADVANCED GRADUATE STUDY (CAGS) IN EDUCATION**
The School of Education and Allied Studies offers a program leading to a Certificate of Advanced Graduate Study (CAGS) in Education with concentrations in mental health, counseling, school guidance counseling, educational leadership and reading. For details, students should consult the counseling, educational leadership and reading program sections of this catalog.

**BRIDgewater STATE COLLeGE/UniVERSITY OF MASSACHUSETTS - LOWELL COLLABORATIVE CAGS/EdD PROGRAM**
A transfer agreement is in place between Bridgewater State College, which offers the Certificate of Advanced Graduate Study (CAGS), and the University of Massachusetts-Lowell, which offers the Doctor of Education (EdD) degree.

In accordance with this agreement, students who satisfactorily complete the CAGS program with a concentration in educational leadership or reading at Bridgewater State College and who apply and are admitted to the EdD program at the University of Massachusetts-Lowell, will be eligible to transfer up to 12 credits from the CAGS program into the doctoral program. Specific provisions of the transfer credits will be subject to regulations described in the Graduate School Catalog of the University of Massachusetts-Lowell. Graduates of the CAGS program at Bridgewater State College will be entitled to the same considerations as graduates of the CAGS program at Lowell. Applicants to the doctoral program must submit a completed application for review by the College of Education's Admissions and Standards Committee at the University of Massachusetts-Lowell.

For additional information about these programs, contact:

Dr. Lynne Yeamans, graduate program coordinator, Educational Leadership Program, Hart Hall, Room 222, Bridgewater State College, Bridgewater, MA 02325

Dr. Ruth Farrar, graduate program coordinator, Reading Program, Hart Hall, Room 133, Bridgewater State College, Bridgewater, MA 02325
Counselor Education

Faculty

Chairperson and Graduate Program
Coordinator: Associate Professor Michael Kocet
Professors: Victoria Bacon, Maxine Rawlins
Associate Professor: Louise Graham
Assistant Professor: Theresa Coogan, Christy Lyons

Department Telephone Number: 508.531.2836
Location: Kelly Gymnasium, Room 104
Web site: www.bridgew.edu/counselingprograms

Degree Programs
- MEd in Counseling
  Concentrations: Mental Health Counseling, Mental Health Counseling—Dual License, School Counseling (PreK-8, 5-12), Student Affairs Counseling

Certificate of Advanced Graduate Study Programs (CAGS)
- Mental Health Counseling
- School Counseling

Postmaster's Licensure Program
- School Counseling (PreK-8, 5-12)

Mission Statement
Bridgewater State College graduate Department of Counselor Education prepares professional counselors to provide counseling, consultation, and preventive services to individuals, families, groups, and communities in mental health, student affairs, and PreK-12 educational settings. The faculty embrace a professional identity as counselors and facilitate the development of this professional identity in students by stressing wellness, lifespan development, professional ethics, multicultural competencies, and prevention. The counseling faculty is diverse with regard to background, experience, and counseling orientation, and prepares counselors to help clients effectively respond to developmental, educational, career, mental health and other lifespan challenges. As professional counselors, students in the Department of Counselor Education are educated to think critically, communicate effectively, and responsibly utilize innovative strategies to enhance the practice of counseling in the 21st century. The faculty facilitates the ability of students to translate theoretical and philosophical principles into practical application to promote wellness throughout the lifespan. Students graduate prepared to pursue licensure in their respective area of counseling.

Graduate Programs

Counseling Program Options:
Master of Education in Counseling Program Options
- School Counseling - 51 credits
- Student Affairs Counseling - 51 credits
- Mental Health Counseling - 63 credits
- Mental Health Counseling: Dual License - 66 credits

Postmaster's in Counseling Program Options
Certificate of Advanced Graduate Study in
- Mental Health Counseling - 30 credits (minimum)
- Certificate of Advanced Graduate Study in
- School Counseling - 30 credits

General Admission Criteria for the Counseling Programs
The counselor education faculty seek to admit students who will become highly effective professional counselors. As such, the faculty look at each student's application as a whole and do not exclude students based on any one criterion. Students must submit a complete application by Oct. 1 for a spring semester admission and March 1 for a summer/fall semester admission. In addition to the admission standards set by the college, there are general admission criteria for counseling that are based on state and national standards outlined below. Specific program admission requirements are identified under individual program options on the following pages.

- Each applicant is reviewed by counselor education faculty who serve on the Counseling Programs Committee;
- Each applicant must demonstrate success in forming effective interpersonal relationships in individual and small group contexts;
- Each applicant must demonstrate aptitude for graduate-level study;
- Each applicant must provide career goals and objectives and their relevance to their chosen program;
- Each applicant must demonstrate openness to self-examination and personal and professional self-development.

Students are conditionally admitted to one counseling program. All students must successfully complete the four core requirements (CNCG 510, CNCG 528, CNCG 529, CNCG 500) to be considered as a master's candidate. Matriculating students who desire to change programs must file a formal petition with the Counseling Programs Committee and meet all admission requirements of the desired program. A student whose petition is approved must adhere to the specific program requirements in place at the time of approval.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Counselor Education

The counselor education faculty actively seeks to recruit applicants with diverse backgrounds.

Counseling Program Planning
All accepted students must attend an orientation for new students and meet with their faculty adviser upon acceptance.

Prospective candidates who have not been formally accepted into the program are urged to confine their selection of courses to the four "core" courses (CNGC 510, CNGC 528, CNGC 529, CNGC 500).

The Department of Counselor Education takes very seriously its responsibility and commitment to train professional and ethical counselors, and to "protect the public good". Faculty are committed to supporting student success, and providing remedial interventions, when needed. However, the department also recognizes that there will be a small number of students for whom it becomes clear that transitioning out of the program is necessary. The department has written a Learning Contract, which reflects ACA ethical standards, college guidelines, department expectations and requirements, as well as the procedures which will be followed in response to academic, personal, and/or professional student-related concerns which may arise. During the new student orientation experience, the department's Learning Contract will be reviewed and discussed with all students; students will sign and receive a hard copy of the contract. Students must sign and receive a copy of the Learning Contract to continue to take courses as a matriculated student. The contract will also be posted on each of the department's program-specific Blackboard virtual sites. A signed copy will be put in the student's file at the School of Graduate Studies.

Students must receive a grade of B- or higher in each graduate course or fieldwork experience; students who receive a grade lower than a B- must repeat the course. In addition, students who receive a grade of "F" in any course will be dismissed from the program. Lastly, students must maintain a GPA of 3.0 or they will be placed on academic probation as outlined in the graduate student handbook.

Field Work Experiences
Field experiences (e.g., practicum or internship) are required of all matriculated students. Depending on the counseling program, students complete between 700 and 1000 hours of supervised field work experience. Each student, in conjunction with an academic adviser, selects an appropriate site and is supervised by an on-site professional while meeting with a Bridgewater State College faculty member for a field work seminar. Most importantly, students must submit a field work application to the field work director to participate in any field work experience. Field work applications must be completed by April 1 for the fall and summer semesters and by November 1 for the spring semester.

Comprehensive Examinations
Written comprehensive examinations are administered in November and March. The examination, which requires integrating theory and practice in the student's matriculated counselor education program is taken during the student's field work experience. Previous examinations are on the various counseling programs Blackboard sites.

SCHOOL COUNSELING (51 CREDIT HOURS)

Admission Requirements
- A bachelor's degree in psychology or a related field that includes at least two of the following courses: general psychology, abnormal psychology and developmental psychology
- A 2.8 undergraduate GPA
- A composite score of 1000 on the quantitative and verbal parts of the GRE General Test
- Three letters of recommendation, at least one of which should be from a supervisor who has knowledge of the applicant's aptitude for the counseling profession and counseling related experience
- Successful experience in a counseling capacity specifically related to working with children in an educational setting
- A passing score on the Communication and Literacy portion of the Massachusetts Tests for Educator Licensure® (MTEL)
- All applicants will be required to interview with a faculty member
- A completed application, including a 500-word personal statement that presents a synthesized, integrated and self-reflective description of the applicant's career goals as they relate to school counseling

School Counselor Licensure
Course requirements leading to initial licensure by the Massachusetts Department of Education as a school counselor at the pre-kindergarten through 8th grade level (PreK-8) or the 5th through 12th grade level (5-12) are outlined below. Licensure by the college will result in interstate reciprocity with signatory states as specified under the Interstate Certification Compact. To discuss the various licensure program options, please consult with your adviser.

School Counseling Program Initial Licensure (PreK-8) (51 Credit Hours)
Requirements should be taken in the following sequence:

- CNGC 510 The Counseling Function in School, Agency/Community and Higher Education Settings .......................... 3
- CNGC 528 Counseling and Development .................................. 3
- CNGC 529 Multicultural Counseling ........................................... 3
- CNGC 500 Research and Evaluation ............................................ 3
Counselor Education

CNSG 515 Ethical and Legal Issues for the School Counselor................................................................. 3
CNSG 523 The School Counselor: Psychopathology and Developmental Issues........................................... 3
CNSG 524 Applied School Counseling......................................................................................................... 3
CNGC 538 Group I: Theory and Process of Group Interaction ................................................................. 3
CNGC 539 Introduction to Career Counseling.............................................................................................. 3
CNGC 532 Psychological Assessment........................................................................................................... 3
CNGC 582 Principles and Methods of Community Counseling and Consultation........................................ 3
CNGC 520 Group Experience (0 credit; Graded on a (P) Pass/(N) No Pass basis)........................................... 0
CNGS 570 Advanced Applied Counseling – School Counselor: (PreK-8) (100 hours).................................... 3
CNSG 571 Practicum: School Counselor (PreK-8) (Total of 600 hours)** .................................................... 12

Three (3) credits in electives at the 500 level or above.............................................................................. 3

Comprehensive Examination

* To be taken within the first 15 credits
** Students will meet with their adviser to plan their field work experience. Students will need to complete 600 hours of field work in a minimum of two semesters and a maximum of four semesters. Students may work 10-30 hours per 15 week semester and will register for 3 credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience.

Students should consult with their academic adviser when choosing an appropriate elective. Total minimum credits: 51

School Counseling Program Initial Licensure (5-12) (51 credit hours)
Requirements should be taken in the following sequence:

CNGC 510 The Counseling Function in School, Agency/Community and Higher Education Settings.................. 3
CNGC 528 Counseling and Development..................................................................................................... 3
CNGC 529 Multicultural Counseling........................................................................................................... 3
CNGC 500 Research and Evaluation............................................................................................................ 3
CNSG 515 Ethical and Legal Issues for the School Counselor................................................................. 3
CNSG 523 The School Counselor: Psychopathology and Developmental Issues......................................... 3
CNSG 524 Applied School Counseling........................................................................................................ 3
CNGC 538 Group I: Theory and Process of Group Interaction......................................................................... 3
CNGC 539 Introduction to Career Counseling................................................................................................ 3
CNGC 532 Psychological Assessment........................................................................................................... 3
CNGC 582 Principles and Methods of Community Counseling and Consultation........................................ 3
CNGC 520 Group Experience (0 credit; Graded on a (P) Pass/(N) No Pass basis)........................................... 0
CNGS 580 Advanced Applied Counseling – School Counselor: (5-12) (100 hours).................................... 3
CNSG 581 Practicum: School Counselor (5-12) (Total of 600 hours)** .................................................... 12

Three (3) credits in electives at the 500 level or above.............................................................................. 3

Comprehensive Examination

* To be taken within the first 15 credits
** Students would meet with their adviser to plan their field work experience. Students would need to complete 600 hours of field work in a minimum of two semesters and a maximum of four semesters. Students may work 10-30 hours per 15 week semester and will register for 3 credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience.

Students should consult with their academic adviser when choosing an appropriate elective. Total minimum credits: 51

Mental Health Counseling (63 credit hours)

Admissions Requirements
- Bachelor's degree in psychology or a related field which includes general psychology, abnormal psychology, and developmental psychology
- A minimum undergraduate GPA of 2.8
- Composite score of 1000 on the quantitative and verbal parts of the GRE General Test
- Three letters of recommendation, at least one of which should be from a supervisor who has knowledge of the candidate's aptitude for the counseling profession and counseling related experience
- Applicants must have successful volunteer or paid experience in a counseling capacity specifically related to mental health counseling
- All applicants will be required to interview with a faculty member
- A completed application, including a 500-word personal statement that presents a synthesized, integrated and self-reflective description of the applicant's career goals as they relate to mental health counseling
- Official transcripts of all undergraduate and graduate course work

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
This 63 credit program is for those seeking licensure as a mental health counselor in Massachusetts by the Board of Registration. Program requirements have been designed to meet current state licensing requirements (CMR 262).

### Mental Health Counseling Program (63 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CNGC 510</td>
<td>The Counseling Function in School, Agency/Community and Higher Education Settings</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 528</td>
<td>Counseling and Development</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 529</td>
<td>Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 500</td>
<td>Research and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CNMH 534</td>
<td>The Professional Counselor: Standards, Ethics and Legal Issues</td>
<td></td>
</tr>
<tr>
<td>CNMH 535</td>
<td>Applied Counseling: Adolescent-Adult</td>
<td>3</td>
</tr>
<tr>
<td>CNMH 536</td>
<td>Applied Counseling: Pre-adolescent</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 538</td>
<td>Group I: Theory and Process of Group Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CNMH 568</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 532</td>
<td>Psychological Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 539</td>
<td>Introduction to Career Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CNMH 564</td>
<td>Theories of Psychological Development</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 520</td>
<td>Group Experience (0 credits; Graded on a (P) Pass/(N) No Pass basis)</td>
<td>0</td>
</tr>
<tr>
<td>CNMG 570</td>
<td>Advanced Applied Counseling: Mental Health Counselor (100 hours)</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 571</td>
<td>Practicum: Mental Health Counselor (Total of 900 hours)</td>
<td>18</td>
</tr>
</tbody>
</table>

Six (6) credits of electives at the 500 level or above................. 6

Comprehensive Examination

- To be taken within first 15 credits
- **Students will meet with their adviser to plan their field work experience. Students seeking licensure as a Licensed Mental Health Counselor (LMHC) must complete a minimum of 900 hours of field work at a mental health site. Students may work 10-40 hours per 15 week semester and will register for 3 credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/50 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits; 40 hours per week/600 total hours = 12 credits. Students must attend a clinical seminar each semester they are involved in field experience and must attend a minimum of three seminars over their 900 total hours/18 credits fieldwork experience.**

Total minimum credits: 63

### Mental Health Counseling – Dual License (66 credit hours)

#### Admission Requirements

- A bachelor's degree in psychology or a related field which includes general psychology, abnormal psychology, and developmental psychology
- A 2.8 undergraduate GPA
- A composite score of 1000 on the quantitative and verbal parts of the GRE General Test
- A passing score on the communication and literacy portion of the Massachusetts Tests for Educator Licensure® (MTEL)
- Three letters of recommendation, at least one of which should be from a supervisor who has knowledge of the candidate's aptitude for the counseling profession and counseling related experience
- Applicants must have successful volunteer or paid experience in a counseling capacity specifically related to mental health counseling
- All applicants will be required to interview with a faculty member
- A completed application, including a 500-word personal statement that presents a synthesized, integrated, and self-reflective description of the applicant's career goals as they relate to mental health counseling

This 66-credit program is for those seeking dual licensure as a Licensed Mental Health Counselor (LMHC) in the state of Massachusetts by the Board of Registration and a School Social Worker/School Adjustment Counselor License with the Department of Education. Program requirements have been designed to meet current state licensing requirements (CMR 262) and initial licensure by the Massachusetts Department of Education as a school adjustment counselor.

### Mental Health Counseling – Dual License Counseling Program (66 credit hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CNGC 510</td>
<td>The Counseling Function in School, Agency/Community and Higher Education Settings</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 528</td>
<td>Counseling and Development</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 529</td>
<td>Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 500</td>
<td>Research and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CNMH 534</td>
<td>The Professional Counselor: Standards, Ethics and Legal Issues</td>
<td></td>
</tr>
<tr>
<td>CNMG 535</td>
<td>Applied Counseling: Adolescent-Adult</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 536</td>
<td>Applied Counseling: Pre-adolescent</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 538</td>
<td>Group I: Theory and Process of Group Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CNMH 568</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 563</td>
<td>Psychopharmacology for Non-medical Professionals</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 520</td>
<td>Group Experience (0 credit; Graded on a (P) Pass/(N) No Pass basis)</td>
<td>0</td>
</tr>
<tr>
<td>CNMG 532</td>
<td>Psychological Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CNMG 539</td>
<td>Introduction to Career Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>
Counselor Education

CNMH 564 Theories of Psychological Development ................... 3
CNGC 582 Principles and Methods of Community Counseling and Consultation .................................. 3
CNMH 580 Advanced Applied Counseling: Mental Health Counselor - Dual License (100 hours) ................. 3
CNMH 571 Internship: Mental Health Counselor (Total of 450 hours)** .................................................... 9
CNMH 582 Practicum: Mental Health Counselor - Dual License (Total of 450 hours)** ................................... 9

Three (3) credits of elective at the 500 level or above ................. 3
Comprehensive Examination

*To be taken within the first 15 credits
**Students will meet with their adviser to plan their field work experience. Students pursuing a LMHC and a license as a School Social Worker/School Adjustment Counselor must complete a minimum of 450 hours of field work at a mental health site and 450 hours at a school-based mental health site. Students may work 10-40 hours per 15 week semester and will register for 3 credits for each 150 hours of field work they will complete that semester: 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits; 40 hours per week/600 total hours = 12 credits. Students must attend a clinical seminar each semester they are involved in field experience and must attend a minimum of three total seminars.

Total minimum credits: 66

Student Affairs Counseling (51 Credit Hours)

Admission Requirements
- A bachelor's degree in psychology or a related field, which includes at least one of the following courses: general psychology, abnormal psychology and developmental psychology
- A minimum undergraduate GPA of 2.8
- Composite score of 1000 on the quantitative and verbal parts of the GRE General Test
- Three letters of recommendation, at least one of which should be from a supervisor who has knowledge of the applicant's aptitude for the higher education/counseling profession and counseling-related experience
- Successful experience in a counseling capacity or related experience in student affairs
- All applicants will be required to interview with a faculty member
- Completed application, including a 500-word personal statement that presents a synthesized, integrated, and self-reflective description of the applicant's career goals as they relate to student affairs counseling
- Official transcripts of all undergraduate and graduate course work

This 51 credit hour program is designed for those students interested in careers in student affairs settings.

Student Affairs Counseling Program (51 Credit Hours) Credits

Requirements should be taken in the following sequence:
- CNMC 528 Counseling and Development .................................................. 3
- CNMC 529 Multicultural Counseling .......................................................... 3
- CNMC 500 Research and Evaluation ........................................................... 3
- CNMC 538 Group I: Theory and Process of Group Interaction ................ 3
- CNMC 520 Group Experience (O credit; Graded on a (P) Pass/(N) No Pass basis) ................................................................. 0
- CNMC 539 Introduction to Career Counseling .......................................... 3
- CNSA 551 Student Development Theory in Higher Education .............. 3
- CNSA 523 Foundations in Higher Education for Student Affairs Practice Counseling ......................................................... 3
- CNSA 520 Ethical, Legal and Professional Issues in Student Affairs .......... 3
- CNSA 525 Student Affairs Administration ............................................... 3
- CNSA 530 Applied Counseling for Student Affairs Professionals .................. 3
- CNSA 560 Special Topics in Student Affairs (1-3 credits) or counseling elective ................................................................. 3
- CNSA 570 Advanced Applied Counseling: Student Affairs Counseling (100 hours; 3 credits) .................. 3
- CNSA 571 Practicum: Student Affairs Counselor (Total of 600 hours)** ........ 12

Six (6) elective credits at the 500 level or above ......................... 6

Capstone experience choices:
- Option A: Comprehensive Examination and Capstone Portfolio
- Option B: Master's Thesis

*To be taken within first 15 credits
**Students will meet with their adviser to plan their field work experience. Students must complete a minimum of 600 fieldwork hours at a site approved by the Counseling Programs Committee. An internship includes from 150-600 clock hours with a total of 600 hours at the site. Students may work 10-40 hours per 15-week semester and will register for three credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits; 40 hours per week/600 total hours = 12 credits.

Students should consult with their academic advisers when choosing an appropriate elective.
Counselor Education

Students in the student affairs counseling program will not be eligible for licensure.

Total minimum credits: 51

POSTMASTER’S LICENSURE IN SCHOOL COUNSELING

The Postmaster’s Licensure program is designed for individuals who seek initial licensure as a school counselor, and who possess an applied master’s degree in counseling or a related field (i.e. social work, clinical psychology), which has included a formal, supervised internship experience. Each student plans their program of study with a faculty adviser in accordance with the current BSC requirements for licensure as a school counselor, which are aligned with licensure requirements established by the Massachusetts Department of Education. The program will complement previous master’s level coursework, and will include all appropriate field experiences and a capstone experience.

Admission Requirements for Postmaster’s Licensure in School Counseling:

- An applied master’s degree in counseling or related field (i.e. social work, clinical psychology) which includes a formal, supervised field experience
- A 3.25 cumulative GPA in the master’s program
- Three letters of recommendation, at least one of which should be from a supervisor who has knowledge of the applicant’s aptitude for the counseling profession
- Successful experience in a counseling capacity
- Applicants seeking licensure must complete at least 50% of the required school counseling course work at BSC as required by the School of Education and Allied Studies and School of Graduate Studies.
- Final applicants will be required to interview with a faculty member
- A completed application, including a five-hundred word personal statement that presents a synthesized, integrated, and self-reflective description of the applicant’s career goals as they relate to school counseling
- A passing score on the Communication and Literacy portion of the Massachusetts Test for Educator Licensure® (MTEL)
- Official transcripts of all undergraduate and graduate course work

Postmaster’s Licensure in School Counseling (PreK-8) Program

NOTE:

1.) Students must complete CNSG 524 Applied School Counseling before entering the field experience (a minimum grade of "B" is required).

2.) Students must complete CNSG 615 Legal and Ethical Issues for the School Counselor, which can be taken concurrently with either the pre-practicum or practicum experience.

3.) Students must complete all required field experience requirements and may not waive the field experience requirement based on previous experience.

Requirements should be taken in the following sequence:

<table>
<thead>
<tr>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CNGC 510 The Counseling Function in School, Agency/Community and Higher Education Settings</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 528 Counseling and Development</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 529 Multicultural Counseling</td>
<td>3</td>
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<tr>
<td>*CNGC 500 Research and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CNSG 523 The School Counselor: Psychopathology and Developmental Issues</td>
<td>3</td>
</tr>
<tr>
<td>CNSG 524 Applied School Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CNGC 538 Group I: Theory and Process of Group Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CNGC 539 Introduction to Career Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>

Three (3) credits in electives at the 500 level or above | 3 |

* To be taken within first 15 credits

** Students will meet with their adviser to plan their field work experience. Students need to complete 600 hours of field work in a minimum of two semesters and a maximum of four semesters. Students may work 10-30 hours per 15-week semester and will register for three credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience.

Total minimum credits: 51

Postmaster’s Licensure in School Counseling (5-12) Program

Requirements should be taken in the following sequence:

<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>*CNGC 510 The Counseling Function in School, Agency/Community and Higher Education Settings</td>
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<tr>
<td>*CNGC 528 Counseling and Development</td>
<td>3</td>
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<tr>
<td>*CNGC 529 Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>*CNGC 500 Research and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>CNSG 523 The School Counselor: Psychopathology and Developmental Issues</td>
<td>3</td>
</tr>
<tr>
<td>CNSG 524 Applied School Counseling</td>
<td>3</td>
</tr>
<tr>
<td>CNGC 538 Group I: Theory and Process of Group Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CNGC 539 Introduction to Career Counseling</td>
<td>3</td>
</tr>
</tbody>
</table>
Counselor Education

CNGC 532 Psychological Assessment .......................................................... 3
CNGC 582 Principles and Methods of Community Counseling and Consultation .......................................................... 3
CNSG 615 Legal and Ethical Issues for the School Counselor .......................................................... 3
CNSG 580 Advanced Applied Counseling – School Counselor: (S-12) (100 hours) .......................................................... 3
CNSG 581 Practicum: School Counselor (S-12) (Total of 600 hours) ** ................................. 12

Three (3) credits in electives at the 500 level or above ................................. 3
* To be taken within first 15 credits
**Students will meet with their adviser to plan their field work experience. Students would need to complete 600 hours of field work in a minimum of two semesters and a maximum of four semesters. Students may work 10-30 hours per 15-week semester and will register for three credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience.

Total minimum credit hours: 51

CERTIFICATE OF ADVANCED GRADUATE STUDY (CAGS) – MENTAL HEALTH COUNSELING (30 CREDITS)

The CAGS in Mental Health Counseling is designed for students who are practicing counselors and do not possess a 60-credit master’s degree in counseling or related field and need a CAGS to apply for licensure in Massachusetts as a Mental Health Counselor (CMR 262).

Admission Requirements

- A master’s degree in counseling, which included an applied counseling internship with clinical supervision
- A 3.25 cumulative GPA in the master’s program
- Three letters of recommendation at least one of which should be from a supervisor who has knowledge of the applicant’s counseling activities
- Successful experience in a counseling capacity demonstrated by at least one year of full-time employment as a counselor
- Final applicants will be required to interview with a faculty member
- A completed application including a 500-word personal statement that presents a synthesized, integrated, and self-reflective description of the applicant’s career goals as they relate to mental health counseling
- Official transcripts of all undergraduate and graduate course work

Students accepted in the CAGS in Mental Health Counseling program will meet with a faculty adviser and design a program based on the current requirements for licensure in Massachusetts. The program will complement previous master’s level course work but must include an internship and a comprehensive examination. The program requires a minimum of 30 graduate credits.

COURSE OF ADVANCED GRADUATE STUDY (CAGS) IN MENTAL HEALTH COUNSELING PROGRAM (30 CREDITS)

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
</table>
| CNGC 510 The Counseling Function in School, Agency/Community and Higher Education Settings ......................... 3
| CNGC 528 Counseling and Development .......................................................... 3
| CNGC 529 Multicultural Counseling .......................................................... 3
| CNGC 500 Research and Evaluation .......................................................... 3
| CNSG 534 The Professional Counselor: Standards, Ethics and Legal Issues .......................................................... 3
| CNGC 535 Applied Counseling: Adolescent-Adult .......................................................... 3
| CNGC 536 Applied Counseling: Pre-Adolescent .......................................................... 3
| CNGC 538 Group I: Theory and Process of Group Interaction .......................................................... 3
| CNSG 568 Psychopathology .......................................................... 3
| CNSG 532 Psychological Assessment .......................................................... 3
| CNSG 539 Introduction to Career Counseling .......................................................... 3
| CNSG 564 Theories of Psychological Development .......................................................... 3
| CNGM 570 Advanced Applied Counseling: Mental Health Counselor (100 hours) .......................................................... 3
| CNSG 671 CAGS Internship: Mental Health Counselor (Total of 600 hours) ** ................................. 12

Elective: Three (3) credits at the 500 level or above ................................. 3
* To be taken within first 15 credits
**Students will meet with their adviser to plan their field work experience. Students may work 10-30 hours per 15-week semester and will register for three credits for each 150 hours of field work they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience and must attend a minimum of two total seminars.

Total minimum credits: 51

CERTIFICATE OF ADVANCED GRADUATE STUDY (CAGS) – SCHOOL COUNSELING (30 CREDITS)

The Certificate of Advanced Graduate Study in School Counseling program is for licensed School Counselors seeking to enhance their expertise through professional development.

Admission Requirements

- A master’s degree in counseling
- An initial or professional license as a school counselor
- Three letters of recommendation, at least one from a supervisor, who has knowledge of the applicant’s professional experience as a school counselor
- All applicants will be required to interview with a faculty member
- A completed application, including a 500-word personal state-
Counselor Education

Counseling electives to equal nine (9) credits ..................... 9
(Electives will be determined during the orientation course)

Electives:
CNGC 529 Multicultural Counseling
CNGC 536 Applied Counseling: Pre-Adolescent
CNGC 538 Group I: Theory and Process of Group
    Interaction (3 credits) (satisfies prerequisite to CNGC 542
    Group II: The Facilitation of the Group Experience)
CNGC 539 Introduction to Career Counseling
CNGC 544 Introduction to Reality Therapy
CNGC 560 Special Topics in Counseling
CNGC 561Grief Counseling
CNGC 563 Psycho pharmacology for Non-medical Professionals
CNGC 567 Marital and Family Therapy
CNGC 582 Principles and Methods of Community
    Counseling and Consultation (satisfies prerequisite to
    CNGC 625 Enhancing Counseling and Prevention
    through Technology)

Note: Interested professionals must submit a completed counseling program application by Oct. 1 for a spring semester admission or March 1 for a summer/fall semester admission.

Massachusetts Department of Education licensed educators, administrators and professional support personnel are required to renew their professional (formerly "standard") stage licenses every five years. Individuals must engage in sustained professional development that strengthens their professional knowledge and skills as part of the recertification process. Licensed school counselors need between 120 and 150 professional development points (PDPs) to renew their primary licenses. Under the revised recertification regulations, one graduate credit is the equivalent of 22.5 PDPs.
Elementary and Early Childhood Education

FACULTY
Chairperson: Professor Nancy Witherell
Graduate Program Coordinators: Professor Ruth Farrar (Reading) Professor John Manvelle (Elementary and Early Childhood Education)
Professors: Barbara Bautz, Steven Greenberg, Gerald Thornell
Associate Professors: Rebecca Corwin, Gregory Nelson, Mary Shorey, Robert Sylvester
Assistant Professors: Elaine Bukowiecki, Patricia Emmons
Department Telephone Number: 508.531.1243
Location: Hart Hall, Room 130
Web site: www.bridgew.edu/ElemEd

DEGREE PROGRAMS
• BSE in Elementary Education
• BSE in Early Childhood Education Concentration: Early Education and Care (PreK-K) (Non-Public School Licensure)
• BSE in Elementary Education/MEd Special Education (Teacher of Students with Moderate Disabilities PreK-8) Dual Licensure
• MEd in Elementary Education (Initial Licensure)
• MEd in Elementary Education (Professional Licensure)
• MEd in Elementary Education (Non-Licensure)
• MEd in Early Childhood Education (Initial Licensure)
• MEd in Early Childhood Education (Professional Licensure)
• MEd in Early Childhood Education (Non-Licensure)
• MEd in Reading

CERTIFICATE OF ADVANCED GRADUATE STUDY PROGRAM (CAGS)
• Reading

POSTBACCALAUREATE LICENSURE PROGRAMS
• Early Childhood Teacher of Students with or without Disabilities (PreK-2) (Initial Licensure)
• Elementary Education (Initial Licensure)

UNDERGRADUATE PROGRAMS

BACHELOR OF SCIENCE IN EDUCATION

ELEMENTARY EDUCATION (1-6)
Students who wish to be elementary teachers are required to select a major in elementary education as well as a major in the liberal arts or sciences. A major in liberal arts or sciences is a requirement of the Commonwealth of Massachusetts.

Students must apply for admission and be accepted into professional education after completion of ELED 220 Introduction to Elementary Education and before the professional semester. ELED 220 is the only education course in which students can enroll prior to official acceptance into a professional education program.

The state of Massachusetts requires three Massachusetts Tests for Educational Licensure® (MTEL) for Elementary licensure: Communication and Literacy, General Curriculum (Elementary) and the Foundations of Reading. Beginning in the fall semester of 2007, all three of these exams must be passed as a prerequisite to professional semester courses.

All matriculated undergraduate elementary education degree-seeking students must take the professional semester as a block of courses and must register with the department. These courses are usually taken the semester prior to student teaching.

All undergraduate students seeking licensure must consult the section of this catalog entitled "School of Education and Allied Studies" for information pertaining to admission to a professional education program and the State Regulations for the Licensure of Educational Personnel and important institutional deadlines.

Students must complete 80 hours of prepractica experience. A 40-hour experience is attached to the course ELED 220. An additional 40 hours is attached to the professional courses. Undergraduates who are not taking these courses together in a professional block must meet with their professor to plan appropriate prepractica experiences.

After completing all education methods courses, students must complete a full-time, semester-long student teaching experience in a local school under the joint supervision of a college supervisor and a supervising practitioner.

Students successfully completing the program are eligible to apply for initial Massachusetts licensure in elementary education (1-6).

This program has been approved by the Massachusetts Department of Education and includes licensure reciprocity with signatory states under the Interstate Certification Compact.
The following courses are required to complete the elementary education major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 254 Literature for Elementary Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 151 Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131 World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 221 United States History and Constitutions to 1865</td>
<td>3</td>
</tr>
<tr>
<td>MATH 107 Principles of Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>POLI 172 Introduction to American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 224 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 227 Development Through the Life Cycle</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Some of the required courses listed above also fulfill certain Core Curriculum Requirements

- *ELED 220 Introduction to Elementary Education .................................. 3
- ELED 300 Elementary Art Methods .................................................. 5
- ELED 310 Teaching Science and Social Studies in the Elementary School .................................................. 3
- ELED 330 Teaching Reading in the Elementary School .......................... 3
- ELED 340 Teaching Language Arts in the Elementary School
  (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .................................................. 3
- ELED 350 Teaching Mathematics in the Elementary School .................... 3
- ELED 360 Teaching in a Standards-Based, Inclusive Elementary Classroom .................................................. 3
- ELED 492 Supervised Teaching in Public Schools: Elementary.. 12
  Total minimum credits: 51.5

*To be completed prior to admission to professional education and enrollment in upper division education courses.

**BSE ELEMENTARY EDUCATION/MED SPECIAL EDUCATION (TEACHER OF STUDENTS WITH MODERATE DISABILITIES PREK-8) DUAL LICENSURE 5-YEAR PROGRAM**

The dual license program is a joint program between the Department of Elementary and Early Childhood Education and the Department of Special Education and Communication Disorders.

The dual license program is a five-year, 157 credit program that leads to both a BSE in Elementary Education with Initial License in Elementary Education and an MEd in Special Education with endorsement for Initial License as a Teacher of Students with Moderate Disabilities (PreK-8).

The purpose of the program is to develop special education teachers who have an in-depth understanding of special education and the elementary school classroom.

**Undergraduate Program Requirements:**
- Students must complete a liberal arts or science major

The following courses are required to complete the elementary education major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 254 Literature for Elementary Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 151 Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131 World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 221 United States History and Constitutions to 1865</td>
<td>3</td>
</tr>
<tr>
<td>MATH 107 Principles of Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>POLI 172 Introduction to American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 224 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 227 Development Through the Life Cycle</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: Some of the required courses listed above also fulfill certain Core Curriculum Requirements

- Additional undergraduate program requirements:
  - *SPED 202 Introduction to Special Education .................................. 3
  - ELED 310 Teaching Science and Social Studies in the Elementary School .................................................. 3
  - ELED 330 Teaching Reading in the Elementary School .......................... 3
  - ELED 340 Teaching Language Arts in the Elementary School
    (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .................................................. 3
  - ELED 350 Teaching Mathematics in the Elementary School .................... 3
  - ELED 360 Teaching in a Standards-Based, Inclusive Elementary Classroom .................................................. 3
  - SPED 217 Meeting the Needs of All Learners
    ELED 492 Supervised Teaching in Public Schools: Elementary.. 12
    SPED 404 Student Teaching Practicum: Inclusion Program (PreK-8) .................................................. 6

*To be completed prior to admission to professional education and enrollment in upper division education courses.

**Graduate Program Requirements:**
- Students must complete the following courses:
  - EDMC 530 The Teacher as Researcher .................................................. 3
  - SPED 504 Applied Curriculum Development for Learners with Special Needs: PreK-8 .................................................. 3
  - SPED 517 Language Skills for Special Needs Learners .................................................. 3
  - SPED 518 Reading Strategies in Special Education .................................................. 3
  - SPED 530 Assessment Procedures in Special Education .................................................. 3
  - SPED 550 Seminar in Special Education .................................................. 3
  - SPED 560 Teaching Students with Special Needs
    through Direct/Explicit Instruction .................................................. 3
  - SPED 575 Behavior Interventions in Special Education .................................................. 3

Total minimum credits: 81
Elementary and Early Childhood Education

**EARLY CHILDHOOD TEACHER OF STUDENTS WITH OR WITHOUT DISABILITIES (PreK-2) (DEPARTMENT OF EDUCATION PUBLIC SCHOOL LICENSURE)**

Students who wish to be early childhood teachers are required to select a major in early childhood education as well as a major in the liberal arts or sciences. A major in liberal arts or sciences is a requirement of the Commonwealth of Massachusetts.

The Department of Elementary and Early Childhood Education offers a major in early childhood education for public school licensure, which enables the student to prepare for career opportunities with young children from infancy through age 8. Students are provided with professional preparation in understanding stages of child growth and development, curriculum planning, teaching procedures and program evaluation.

Students seeking public school licensure must apply for admission and be accepted into professional education after completion of ECED 230 and before the professional semester. ECED 230 is the only education course in which students can enroll prior to official acceptance into a professional education program.

The state of Massachusetts requires three Massachusetts Tests for Educational Licensure® (MTEL) for Early Childhood PreK-K (public school) licensure: Communication and Literacy, Early Childhood and the Foundations of Reading. Beginning in the fall semester of 2007, all three of these exams must be passed as a prerequisite to professional semester courses.

All matriculated day students seeking this Early Childhood Education degree must take the professional semester as a block of courses and must register with the department. These courses are usually taken the semester prior to student teaching. Part-time students should contact the department concerning special scheduling arrangements.

Students seeking professional licensure should consult the section of this catalog entitled “School of Education and Allied Studies” for professional education admission and retention information and important institutional deadlines.

Students must complete 80 hours of prepractica experience. A 40-hour experience is attached to the course ECED 230, 15 hours at a preschool or kindergarten level and 25 hours at the kindergarten or primary level. An additional 40 hours is attached to the professional courses. Undergraduates who are not taking these courses together in a professional block must meet with their professor to plan appropriate prepractica experiences.

After completing all education professional courses, students must complete a full-time, semester long student teaching experience in a local school under the joint supervision of a college supervisor and a supervising practitioner.

Students successfully completing this program will be eligible to meet Commonwealth of Massachusetts teacher initial licensure requirements for the Early Childhood Teacher of Students with or without Disabilities (PreK-2) license.

The following courses are required to complete the early childhood education major:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>*ECED 230 The Basics of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECED 300 Early Childhood Art Methods</td>
<td>.5</td>
</tr>
<tr>
<td>ECED 311 Science and Social Studies Inquiry for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 332 Reading Development for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 342 Language Arts for the Young Child (Writing Intensive in the Major Core Curriculum Requirement-CWRM)</td>
<td>3</td>
</tr>
<tr>
<td>ECED 352 Developmental Mathematics for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 361 Creating an Effective Early Childhood Environment</td>
<td>3</td>
</tr>
<tr>
<td>ECED 496 Supervised Teaching in Public Schools: Early Childhood</td>
<td>6</td>
</tr>
<tr>
<td>ECED 497 Supervised Teaching in an Integrated Early Childhood Setting</td>
<td>6</td>
</tr>
</tbody>
</table>

**Cognate Requirement:**

- PSYC 224 Child Psychology | 3 |
- SPED 203 Cultural Diversity Issues in School and Society | 3 |
- SPED 211 The Early Childhood Learner with Special Needs | 3 |

Total minimum credits: 39.5

*To be completed prior to admission to professional education and enrollment in upper division education courses.

**EARLY EDUCATION AND CARE (PreK-K) CONCENTRATION (DEPARTMENT OF EARLY EDUCATION AND CARE CERTIFICATION)**

The Department of Elementary and Early Childhood Education offers a concentration in Early Education and Care (PreK-K) which enables students to prepare for career opportunities with young children from infancy to age six. Students are provided with professional preparation in understanding the developmental stages of young children, effective curriculum planning, teaching methodology and program evaluation.

The concentration in Early Education and Care (PreK-K) requires a 2.5 GPA in the major and does not lead to public school licensure. This concentration will meet all current and projected requirements of the Department of Early Education and Care. This concentration does not require a second major or passing the Massachusetts Tests for Educational Licensure® (MTEL), as is the case with public school licensure.

The following courses are required to complete the Early Childhood major with a concentration in Early Education and Care (PreK-K).
Required education courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECED 230 The Basics of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECED 280 Creative Techniques in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 320 Language Development and Early Literacy, PreK-K</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 321 Project-Based, Standards-Rich Learning in Early Childhood, PreK-K</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 322 Observation and Assessment in Early Childhood, PreK-K</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 323 Managing Positive Environments for Children, PreK-K</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 490 Mentored Program Observation, PreK-K</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 491 Mentored Performance Fieldwork I, PreK-K</td>
<td>3</td>
</tr>
<tr>
<td>ECPK 492 Mentored Performance Fieldwork II, PreK-K (6 credits)</td>
<td>6</td>
</tr>
</tbody>
</table>

Choose one of the following: ........................................... 3  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 365 Introduction to Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 230 Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>SCWK 334 Intervention with Family Systems</td>
<td></td>
</tr>
<tr>
<td>SOCI 203 The Family</td>
<td></td>
</tr>
</tbody>
</table>

Cognate Requirements:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 224 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPED 203 Cultural Diversity Issues in School and Society</td>
<td>3</td>
</tr>
<tr>
<td>SPED 211 The Early Childhood Learner with Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>Total minimum credits: 42</td>
<td></td>
</tr>
</tbody>
</table>

GRADUATE PROGRAMS

The Department of Elementary and Early Childhood Education offers several programs designed to meet the needs of graduate students: postbaccalaureate programs and master's degrees that allow students to apply for initial licensure in elementary education (1-6) or early childhood education (PreK-2); and master's degree programs that allow students to apply for professional licensure. The department also offers a Master of Education degree in Reading for educators seeking an additional license as a teacher specialist (all levels) of reading. In addition, a CAGS in Reading is available.

POSTBACCALAUREATE PROGRAM: INITIAL LICENSE - ELEMENTARY EDUCATION (1-6)

This program is designed for persons who have a bachelor's degree and seek initial licensure in elementary education (1-6). This is a day program only.

Admission Requirements

1) A liberal arts or science undergraduate major or its equivalent is required  
2) A minimum 2.8 undergraduate GPA is required for admission to the program  
3) Official transcripts of all undergraduate and graduate course work

This program has been approved by the Massachusetts Department of Education and includes licensure reciprocity with signatory states under the Interstate Certification Compact.

Students should consult the "School of Graduate Studies" section of this catalog for information regarding graduate program application procedures and admission standards.

Students seeking initial licensure should consult the section of this catalog titled "School of Education and Allied Studies" for professional education admission and retention information and institutional deadlines.

Starting Fall 2007, all three MTEL® must be passed as a prerequisite to professional semester courses.

Students must complete 80 hours of prepractica experience. A 40-hour experience is attached to the introductory course. An additional 40 hours is attached to the professional courses: reading, language arts, mathematics, and science and social studies.

All accepted students must enroll under the direction of their advisor in GRPP 501 Graduate Program Planning, which is described under "Graduate Advisers and Program Planning" in the "School of Graduate Studies" section of this catalog.

Students must complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
<tr>
<td>*ELED 220 Introduction to Elementary Education</td>
<td>3</td>
</tr>
<tr>
<td>ELED 300 Elementary Art Methods</td>
<td>5</td>
</tr>
<tr>
<td>ELED 310 Teaching Science and Social Studies in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELED 330 Teaching Reading in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELED 340 Teaching Language Arts in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELED 350 Teaching Mathematics in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>ELED 360 Teaching in a Standards-Based, Inclusive Elementary Classroom</td>
<td>3</td>
</tr>
<tr>
<td>ELED 492 Supervised Teaching in Public Schools: Elementary</td>
<td>12</td>
</tr>
</tbody>
</table>

Students successfully completing the program are eligible to apply for initial Massachusetts licensure in elementary education (1-6).  
Total minimum credits: 31.5

*To be completed prior to admission to Professional Education and enrollment in upper division education courses.

MASTER OF EDUCATION IN ELEMENTARY EDUCATION (INITIAL LICENSURE)

This program is designed for persons who have a bachelor's degree and seek initial licensure in elementary education (1-6).
Students should consult the "School of Graduate Studies" section of the catalog for information regarding graduate program application policies and procedures.

Admission Requirements
1) A minimum undergraduate GPA of 2.8 based upon four years of work
2) A qualifying score on the Communications, Literacy Skills and the Elementary Education portions of the Massachusetts Test for Educator Licensure® (MTEL)
3) Three appropriate letters of recommendation
4) Official transcripts of all undergraduate and graduate course work

Students seeking initial licensure should consult the section of this catalog titled "School of Education and Allied Studies" for professional education admission and retention information and institutional deadlines. Admission to professional education includes successful completion of ELED 510 Fundamentals of Elementary Education and its 40-hour prepracticum.

Students must complete 80 hours of prepractica experience. A 40-hour experience is attached to the course ELED 510. An additional 40 hours is attached to the professional course: reading, language arts, mathematics, science and social studies.

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under "Graduate Advisers and Program Planning" in the "School of Graduate Studies" section of this catalog.

Students must complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
<tr>
<td>ELED 510 Fundamentals of Elementary Education</td>
<td>3</td>
</tr>
<tr>
<td>ELED 511 Theory and Practice in Teaching Reading</td>
<td>3</td>
</tr>
<tr>
<td>ELED 512 Theory and Practice in Teaching Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>ELED 513 Mathematical Applications for the Classroom</td>
<td>3</td>
</tr>
<tr>
<td>ELED 514 Exemplary Practice in Science and Social Studies Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>ELED 515 Differentiating Instruction: Creating Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>ELED 592 Practicum: Elementary Education</td>
<td>12</td>
</tr>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
</tbody>
</table>

Exit Requirement: A student teaching documentation package (competency portfolio)

Total minimum credits: 34

**Master of Education in Elementary Education (Professional Licensure)**

This degree program is designed for persons who hold initial licensure in elementary education (grades 1-6) and are seeking professional licensure in the Commonwealth of Massachusetts. The program is designed to meet the "appropriate master's degree" requirement, which is part of the criteria for professional stage licensure as set forth in the most recent DOE licensure regulations.

Students should consult the "School of Graduate Studies" section of the catalog for information regarding graduate program application policies and procedures.

Admission Requirements
1) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon course work completed in the junior and senior years
2) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3) Three appropriate letters of recommendation
4) An initial teaching license with one year full-time teaching experience
5) Official transcripts of all undergraduate and graduate course work

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program Planning, which is described under "Graduate Advisers and Program Planning" in the "School of Graduate Studies" section of this catalog.

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

**Core Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Electives**

15 credits

- Elect five graduate courses (400 level U/G or 500 level), approved by the program adviser, from arts and science disciplines. Alternative courses must be approved by the program coordinator.

- No more than two courses should be in any one arts and sciences discipline.

- Suggested disciplines: art, English, history, mathematics, reading and sciences.

- Course selections must be approved by an adviser.

This degree program is also offered to elementary school teachers who already hold a standard level or professional license. In such cases, it is offered for professional development purposes and may be individualized.

Total minimum credits: 31

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**School of Education and Allied Studies**

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Elementary and Early Childhood Education

**POSTBACCAULAUREATE PROGRAM: INITIAL LICENSE – EARLY CHILDHOOD: TEACHER OF STUDENTS WITH AND WITHOUT DISABILITIES (PreK-2)**

This program is designed for persons who have a bachelor's degree and seek initial licensure in early childhood education (PreK-2). This is a day program only.

**Admission Requirements**

1.) A liberal arts or science undergraduate major or its equivalent is required
2.) A minimum 2.8 undergraduate GPA is required for admission to the program
3.) Official transcripts of all undergraduate and graduate course work

This program has been approved by the Massachusetts Department of Education and includes licensure reciprocity with signatory states under the Interstate Certification Compact.

Students should consult the "School of Graduate Studies" section of this catalog for information regarding graduate program application procedures and admission standards.

Students seeking initial licensure should consult the section of this catalog titled "School of Education and Allied Studies" for professional education admission and retention information and important institutional deadlines.

Students must complete 80 hours of prepractica experience. A 40-hour experience is attached to the introductory course. An additional 40 hours is attached to the professional courses: reading, language arts, mathematics and science and social studies.

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program planning, which is described under "Graduate Advisers and Program Planning" in the "School of Graduate Studies" section of this catalog.

Starting Fall 2007, all three MTEL® must be passed as a prerequisite to professional semester courses.

Students successfully completing the program are eligible to apply for initial Massachusetts licensure in Early Childhood: Teacher of Students with or without Disabilities (PreK-2).

*To be completed prior to admission to Professional Education and enrollment in upper division education courses.

Total minimum credits: 31.5

**MASTER OF EDUCATION IN EARLY CHILDHOOD EDUCATION (INITIAL LICENSURE)**

This program is designed for persons who have a bachelor's degree and seek initial licensure in early childhood education (PreK-2).

Students should consult the "School of Graduate Studies" section of the catalog for information regarding graduate program application policies and procedures.

**Admission Requirements**

1.) A minimum undergraduate GPA of 2.8 based upon four years of course work
2.) A qualifying score on the Communications, Literacy Skills and the Early Childhood portions of the Massachusetts Test for Educator Licensure® (MTEL)
3.) Three appropriate letters of recommendation
4.) Official transcripts of all undergraduate and graduate course work

Students seeking initial licensure should consult the section of this catalog titled "School of Education and Allied Studies" for professional education admission and retention information and institutional deadlines. Admission to professional education includes successful completion of ECED 510, 25 hours in a K-2 setting, and 15 hours in a preschool setting. An additional 40 hours is attached to the professional courses: reading, language arts, mathematics, science and social studies.

All accepted students must enroll under the direction of their adviser in GRPP 501 Graduate Program planning, which is described under "Graduate Advisers and Program Planning" in the "School of Graduate Studies" section of this catalog.

**Program Requirements**

Students must complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
<tr>
<td>*ECED 230 The Basics of Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECED 300 Early Childhood Art Methods</td>
<td>.5</td>
</tr>
<tr>
<td>ECED 311 Science and Social Studies Inquiry for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 332 Reading Development for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 342 Language Arts for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 352 Developmental Mathematics for the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>ECED 361 Creating an Effective Early Childhood Environment</td>
<td>3</td>
</tr>
<tr>
<td>ECED 496 Supervised Teaching in the Public School: Early Childhood</td>
<td>6</td>
</tr>
<tr>
<td>ECED 497 Supervised Teaching in an Integrated Early Childhood Setting</td>
<td>6</td>
</tr>
</tbody>
</table>

SCHOOL OF EDUCATION AND ALLIED STUDIES
ELEMENTARY AND EARLY CHILDHOOD EDUCATION

ECED 597 Practicum: Preschool........................................... 6
EDMC 530 The Teacher as Researcher................................. 3

Exit Requirement: A student teaching documentation package (competency portfolio)

Total minimum credits: 34

MASTER OF EDUCATION IN EARLY CHILDHOOD EDUCATION (PROFESSIONAL LICENSURE)
This degree program is designed for persons who hold initial licensure in early childhood education (grades PreK-2) and are seeking professional licensure in the Commonwealth of Massachusetts. The program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure as set forth in the most recent DOE licensure regulations.

Admission Requirements
1) A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed in the junior and senior years
2) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3) Three appropriate letters of recommendation
4) An initial teaching license with one year full-time teaching experience
5) Official transcripts of all undergraduate and graduate course work

Students should consult the “School of Graduate Studies” section of the catalog for information regarding graduate program application policies and procedures.

All accepted students must enroll under the direction of their advisor in GRPP 501 Graduate Program Planning, which is described under “Graduate Advisers and Program Planning” in the “School of Graduate Studies” section of this catalog.

Program Requirements

<table>
<thead>
<tr>
<th>Program Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
<tr>
<td>Core Courses</td>
<td></td>
</tr>
<tr>
<td>EDMC 530 The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531 The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532 The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538 The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
<tr>
<td>Program Content Electives</td>
<td>15</td>
</tr>
<tr>
<td>• Elect five graduate courses (400 level U/G or 500 level) from arts and sciences disciplines. Courses must be approved by the academic adviser. Alternative courses must be approved by the program coordinator.</td>
<td></td>
</tr>
</tbody>
</table>

• No more than two courses should be in any one arts and sciences discipline.

• Suggested disciplines: art, English, history, mathematics, reading and sciences.

• Course selections must be approved by an adviser.

This degree program is also offered to elementary school teachers who already hold a standard level or professional license. In such cases, it is offered for professional development purposes and may be individualized.

Total minimum credits: 31

MASTER OF EDUCATION IN READING
The graduate reading program offers the degree of Master of Education with a specialty in reading and institutional endorsement for Massachusetts licensure as Reading Specialist (all levels). Program learning experiences and outcomes are designed to meet the recommendations of the Professional Standards and Ethics Committee and the advisory group to the National Council for Accreditation of Teacher Education (N.C.A.T.E.) Joint Task Force of the International Reading Association (I.R.A.), Reading/Literacy Specialist. Candidates must complete all of the following course requirements and program requirements. As part of their program, students must satisfactorily complete the following curriculum:

Admission Requirements
The reading program designates the teacher of reading license as a specialist teacher license. Program prerequisites include Massachusetts teaching licensure and at least one year of teaching experience under the area of licensure.

1) A minimum undergraduate GPA of 2.8 based on four years of work or a 3.0 undergraduate GPA based on work completed in the junior and senior years
2) A composite score of 900 (clear admit) or 600 (conditional admit) in the quantitative and verbal parts of the GRE General Test
3) (a) Possession of an active Massachusetts State Department of Education (MADOE) licensure as a Reading Specialist or (b) A qualifying score on the Massachusetts Tests for Educator Licensure® (MTEL) Communication and Literacy Skills (01)
4) One year of experience teaching in the area of licensure
5) A rating of “one” on three letters of recommendation (at least one from teaching supervisor and one who has knowledge of applicant’s aptitude for advanced scholarship)
6) Foundational knowledge in computer technology (Microsoft Word and Office)
7) Official transcripts of all undergraduate and graduate course work
Elementary and Early Childhood Education

Program Requirements
1) Successful completion of the Literacy Professional's Library
2) An oral presentation or exhibit pertaining to a topic in literacy
3) Successful completion of two 200-hour practica
4) Successful completion of a Literacy Professional's Portfolio
5) Support for the work of professional literacy organizations
6) A passing score on the written comprehensive examination (a) To be accepted for practicum experiences (READ 558 and READ 559), licensure as a reading specialist with the Massachusetts State Department of Education or (b) Initial licensure with the Massachusetts State Department of Education and a passing score on the Massachusetts Tests for Educator Licensure® (MTEL®) of communication and literacy skills. A passing score on the MTEL® Reading Subject (08).

CREDITS
READ 550 Improving Literacy Instruction ........................................ 3
READ 551 Case Studies in Literacy Acquisition and Development .................. 3
READ 552 Literacy Assessment Principles and Techniques .................. 3
READ 553 Issues in Literacy Education for Social Justice .................. 3
READ 554 Research in Literacy Teaching and Learning .................. 3
READ 555 Supervision and Administration of Literacy Programs ................. 3
READ 556 Literacy Curriculum Development and Implementation ................ 3
READ 558 Practicum Experience for the Consulting Teacher of Reading I ............... 3
READ 559 Practicum Experience for a Consulting Teacher of Reading II ............... 3
READ 560 Literacy Research Seminar .............................................. 3
Total minimum credits: 30

Certificate of Advanced Graduate Study (CAGS) - Reading
The graduate reading program offers the Certificate of Advanced Graduate Study in Reading with an option for institutional endorsement for Massachusetts licensure as teacher of Reading (all levels). The 30-credit program is offered to cohort groups who move through the entire program together. To enhance the experience, courses are scheduled on Saturdays during the academic year and as two-week intensives in the summer.

Students who complete the CAGS program and wish to pursue a doctoral degree receive an additional benefit. Bridgewater State College graduates who apply to and are accepted into the doctoral program in reading at UMass-Lowell may apply 12 of the credits earned toward the 48 credits required as part of the doctorate degree.

Program learning experiences and outcomes are designed to meet the recommendations of the Professional Standards and Ethics Committee and the Advisory Group to the National Council of Accreditation of Teacher Education (NCATE) Joint Task Force of the International Reading Association (IRA), reading/literacy supervisor and consultant.

Admission Requirements
1) Master's degree from an accredited college or university
2) A rating of "one" on three letters of recommendation (at least one from teaching supervisor and one who has knowledge of applicant's aptitude for advanced scholarship)
3) A minimum graduate GPA of 3.0
4) Possession of an active Massachusetts State Department of Education (MADOE) professional teacher license
5) (a) Possession of MADOE licensure as Reading Specialist or (b) A qualifying score on the Massachusetts Tests for Educator Licensure® (MTEL®) Communications and Literacy Skills (01)
6) Three years of experience teaching in the area of licensure
7) Foundational knowledge in computer technology (Microsoft Word and Office)
8) Official transcripts of all undergraduate and graduate course work

Candidates must complete all of the following course requirements and program requirements:

Course Requirements
CREDITS
READ 650 Research in Literacy Curriculum and Instruction .................. 3
READ 651 Socio-psycholinguistics and Critical Literacy .................. 3
READ 652 Cultural Foundations of Literacy ........................................ 3
READ 653 Diagnosis, Assessment and Evaluation of Student Performance and Program Effectiveness ................................. 3
READ 654 Principles and Programs in Professional Development .................. 3
READ 655 Case Studies in N-12 Literacy Curriculum and Instruction ............... 3
READ 670 Seminar ................................................................. 3
INST 552 Multimedia for Educators .............................................. 3
With adviser's consent, another 500- or 600-level course in instructional technology may be substituted for INST 552
Suggested alternatives:
READ 681 CAGS Literacy Practicum
READ 682 CAGS Literacy Practicum II as needed

Program Requirements
1. Successful completion of a research project in exemplary literacy practices
2. Successful completion of a multimedia exhibit in exemplary literacy practices
3. Support for the work of professional literacy organizations
4. Successful defense of the research project and multimedia exhibit

Total minimum credits: 30

190

SCHOOL OF EDUCATION AND ALLIED STUDIES
Movement Arts, Health Promotion and Leisure Studies

**Faculty**

**Chairperson:** Professor Samuel Baumgarten

**Graduate Program Coordinator:** Professor Robert Haslam

**Professors:** Maricia Anderson, Edward Braun, Janice Harris, Joseph Huber, Amos Nwosu

**Associate Professors:** Lydia Burak, Kathleen Laquale, Ellyn Robinson, Pamela Russell, Deborah Sheehy

**Assistant Professors:** Robert Colandreo, Mark Mattesi, Karen Pagnano, Maura Rosenthal

**Department Telephone Number:** 508.531.1215
**Location:** Tinsley Center, Room 232A
**Web site:** www.bridgew.edu/MAHPLS

**Degree Programs**

- BA in Physical Education (Awarded for completion of major core without a concentration)
- BS in Athletic Training
- BS in Health Education
- BS in Physical Education (Awarded for completion of major core and selected concentration)

Concentrations: Coaching, Exercise Science/Health Fitness, Motor Development Therapy/Adapted Physical Education, Recreation, Recreation and Fitness Club Administration, Teacher Licensure in Physical Education PreK-8 and 5-12
- MEd in Health Promotion
- MS in Athletic Training
- MS in Physical Education

Concentrations: Adapted Physical Education, Applied Kinesiology, Human Performance and Health Fitness, Strength and Conditioning, individualized program

**Postbaccalaureate Teacher Licensure Programs**

- Physical Education
- Health (Health, Family and Consumer Sciences)

**Undergraduate Minors**

- Coaching
- Dance *
- Exercise Physiology

- Health Promotion
- Health Resources Management *
- Recreation

**Interdisciplinary Minor**

The Department of Movement Arts, Health Promotion, and Leisure Studies offers both undergraduate and graduate programs in the areas of athletic training, health promotion/education and physical education. At the undergraduate level the department offers a major in physical education which leads to a Bachelor of Science or Bachelor of Arts degree; a major in athletic training which leads to a Bachelor of Science degree; and a major in health promotion/education which leads to a Bachelor of Science degree. In addition, minors in coaching, exercise physiology, health promotion, health resources management, and recreation are also offered. A minor in dance is offered jointly by the Department of Movement Arts, Health Promotion and Leisure Studies and the Department of Theater and Dance, and a minor in health resources management is offered jointly by the Department of Movement Arts, Health Promotion and Leisure Studies and the Department of Management.

Graduate study offered by the department includes a program in the area of health promotion, which leads to a Master of Education in Health Promotion; a program in the area of athletic training which leads to a Master of Science in Athletic Training; and a program in the area of physical education which leads to a Master of Science in Physical Education. Postbaccalaureate programs for initial teacher licensure in physical education and health education are available and are described under the department's graduate programs.

**Department Objectives**

1. Provide a quality physical education liberal arts major program with a variety of concentrations providing advanced professional preparation.

2. Provide quality physical education activity courses to assist students in developing lifetime activity patterns.

3. Provide a quality health education major program with courses that deal with health promotion issues and healthy living styles.

4. Instill an atmosphere of health and well being for students.

**Career Opportunities**

The athletic training and physical education programs are arts and science majors. Career opportunities are tied to the majors and concentrations where a student develops knowledge and application of that knowledge in a professional capacity. The athletic training major is a professional program accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The teacher preparation program is accredited by the National Council for the Accreditation of Teacher Education (NCATE). Career opportunities...
can be found in traditional athletic training settings (high schools, colleges, professional sport, industrial settings, physician offices, and the military). The health education major can work in schools, public health agencies, nonprofit organizations, hospitals, colleges and universities, business and industry.

UNDERGRADUATE PROGRAMS

BACHELOR OF ARTS/BACHELOR OF SCIENCE
The Department of Movement Arts, Health Promotion and Leisure Studies offers the physical education major an opportunity to seek a Bachelor of Arts or Bachelor of Science degree. In addition, a comprehensive health education major, leading toward a Bachelor of Science, may be selected. A Bachelor of Science in Athletic Training is also available.

BACHELOR OF ARTS — PHYSICAL EDUCATION
All students majoring in physical education and seeking a Bachelor of Arts degree must complete a minimum of 120 credits required for graduation and must complete 41 credits in the major as outlined below:

Required Physical Education Core Courses:
Students must achieve a grade of C- or better in the six courses listed below:  

PHED 100 Applied Musculoskeletal Anatomy ............................................................... 3  
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ............................................................... 3  
PHED 217 Principles of Motor Learning ........................................................................... 3  
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) ............................................................... 3  
PHED 385 Biomechanics ............................................................................................... 3  
PHED 401 Physiology of Exercise .................................................................................. 4  

Activity Requirement
All majors in physical education must accumulate at least 9 credits in activity and/or theory and practice courses. The nine credits must come from at least 6 different types of traditional activity courses or theory and practice courses. (Taking the second level of a course after having taken the first level will not count as part of that six activity or theory and practice courses). Students must achieve a C- or better in required activity and theory and practice courses. Each concentration will determine its own requirements for the nine credits. ................. 9

Health Course Requirement:
HEAL 102 Health and Wellness .................................................................................. 3

Cognate Courses:
BIOL 100 General Principles of Biology ................................................................. 4  
or
BIOL 102 Introduction to Zoology

PSYC 100 Introductory Psychology ................................................................. 3  
or
PSYC 227 Development Through the Life Cycle

Elective (choose one):
Any 300-400 level ATTR, HEAL, PHED, or R ECR course or
one of the following dance courses: .................................................................................. 3  
PHED 146 Dance Appreciation  
PHED 251 Dance History  
PHED 255 Creative Dance I  
PHED 256 Creative Dance II  

Total minimum credits: 41

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

BACHELOR OF SCIENCE — ATHLETIC TRAINING
This major is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), and prepares the athletic training student with the necessary academic and clinical experiences to sit for the National Athletic Trainer's Association/Board of Certification Examination (BOC). The program includes courses in injury prevention, recognition, assessment and immediate care of athletic injuries, health care administration and professional development and responsibility.

Admission into the ATEP program is limited and competitive. A separate application process is required for admission, and is due to the ATEP Program Director by March 1 of the student's sophomore year. Candidates should contact the Program Director for application materials or download them from the ATEP website at www.bridgew.edu/ATEP.

Required Athletic Training Courses:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATTR 110 Taping and Bracing</td>
<td>1</td>
</tr>
<tr>
<td>ATTR 112 Sports First Aid</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 240 Introduction to Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 241 Apprenticeship in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 340 Sports Injury Management-Lower Extremity</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 341 Sports Injury Management-Upper Extremity</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 342 Clinical Application of Basic Athletic Training Skills</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 343 Clinical Application of Intermediate Athletic Training Skills</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 410 Nutritional Concepts for Health Care Practitioners</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 442 Therapeutic Exercise</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 443 Pharmacology for the Physically Active</td>
<td>1.5</td>
</tr>
<tr>
<td>ATTR 446 Medical Conditions and Disabilities of the Physically Active</td>
<td>1.5</td>
</tr>
<tr>
<td>ATTR 450 Therapeutic Modalities</td>
<td>3</td>
</tr>
</tbody>
</table>
Movement Arts, Health Promotion and Leisure Studies

ATTR 454 Clinical Applications of Advanced Athletic Training
Skills ........................................ 3
ATTR 455 Professional Preparation in Athletic Training ................. 3
ATTR 490 Administration of Athletic Training .......................... 3

Cognate Courses:
PHED 100 Applied Musculoskeletal Anatomy ......................... 3
PHED 385 Biomechanics ........................................ 3
PHED 401 Physiology of Exercise .................................. 4
HEAL 102 Health and Wellness ..................................... 3
PSYC 100 Introductory Psychology ................................ 3
BIOL 102 Introduction to Zoology ................................ 4
BIOL 251 Human Anatomy and Physiology I ....................... 4
BIOL 252 Human Anatomy and Physiology II ....................... 4
Total minimum credits: 71

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

BACHELOR OF SCIENCE — PHYSICAL EDUCATION
All students majoring in physical education and seeking a Bachelor of Science degree must complete a minimum of 120 credits required for graduation and must complete a designated area of study identified as a CONCENTRATION. The Department offers seven concentrations. Two of the concentrations lead to initial teacher licensure in Physical Education, one at the PreK-8 level and one at the 5-12 level. The other concentrations have been developed to prepare graduates to pursue career opportunities in community-based organizations such as business, industry, agencies and hospitals. These programs, which include field experiences in various settings in the community, have expanded the role of the professional in the fields of physical education and health promotion beyond the teaching environment in schools, thus preparing the graduate for new career opportunities.

COACHING CONCENTRATION
This concentration prepares the physical education major to apply concepts and principles related to all aspects of coaching, including the player, team, coach and administration of athletic programs for youth and adults. The field experience is an important aspect of this concentration.

Required Physical Education Core Courses:
Students must achieve a grade of C- or better in the six courses listed below: CREDITS
PHED 100 Applied Musculoskeletal Anatomy ........................ 3
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ........................................ 3
PHED 217 Principles of Motor Learning ............................... 3
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .................. 3
PHED 385 Biomechanics ........................................ 3
PHED 401 Physiology of Exercise .................................. 4

Activity Requirements:
Students must achieve a grade of C- or better in the activity courses listed below:
PHED 152 Theory and Practice of Lifeguard Training .............. 2
PHED 204 Theory and Practice of Progressive Resistance Training ... 2
PHED 209 Theory and Practice of Metabolic Training .............. 2
One activity from Individual Sports Category ......................... 1
One activity from Team Sports Category ............................ 1
One activity from Individual or Team Sports Category ............. 1

Additional Required Courses:
*ATTR 112 Sports First Aid ........................................ 3
PHED 414 Coaching ............................................. 3
*PHED 416 Planning and Implementing Coaching Leadership Strategies ......................................................... 3
PHED 498 Field Experience in Physical Education ................ 3
*RREC 461 Organization and Administration in Recreation ........ 3

*These courses must be taken prior to the field experience, PHED 498.

Required Health Course:
HEAL 102 Health and Wellness ..................................... 3

Cognate Courses:
BIOL 100 General Principles of Biology ................................ 4
or
BIOL 102 Introduction to Zoology ................................ 4
PSYC 100 Introductory Psychology ................................. 3
or
PSYC 227 Development Through the Life Cycle

Elective (choose one):
Any 300 of 400 level ATTR, HEAL, PHED, or RREC course or one of the following dance courses: ......................... 3
PHED 146 Dance Appreciation .................................. 3
PHED 251 Dance History .................................... 3
PHED 255 Creative Dance I ................................... 3
PHED 256 Creative Dance II .................................. 3
Total minimum credits: 56

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

SCHOOL OF EDUCATION AND ALLIED STUDIES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
EXERCISE SCIENCE/HEALTH FITNESS

CONCENTRATION

This concentration prepares students for career opportunities in health and fitness in such settings as industry, hospitals, agencies, education and human service organizations. Emphasis is on human performance and cardiovascular health, which includes physical health evaluation, graded exercise tests, exercise prescription and physical activity program development. A field experience off campus in a setting identified above is an important aspect of this concentration.

Required Physical Education Core Courses:

Students must achieve a grade of C- or better in the six courses listed below:            CREDITS

PHED 100 Applied Musculoskeletal Anatomy ......................................................... 3
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ......................................................... 3
PHED 217 Principles of Motor Learning .................................................................. 3
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .................. 3
PHED 385 Biomechanics ...................................................................................... 3
PHED 401 Physiology of Exercise ......................................................................... 4

Activity Requirement:

Students must achieve a grade of C- or better in the courses listed below:

PHED 163 Aerobics .................................................................................................. 1
PHED 204 Theory and Practice of Progressive Resistance Training .. 2
PHED 209 Theory and Practice of Metabolic Training ..................................... 2
Four additional credits of activities selected in consultation with adviser. ..................... 4

Additional Required Courses:

PHED 201 Apprenticeship in Exercise Science and Health Fitness ..................
PHED 400 Physiology and Techniques of Strength Fitness ............................ 3
PHED 402 Exercise Metabolism ........................................................................... 3
PHED 403 Cardiovascular Analysis Evaluation and Rehabilitation .............. 3
PHED 404 Exercise Prescription ........................................................................... 3
PHED 405 Exercise Circulation: Mechanisms and Morphology ..................... 3
PHED 409 Planning, Implementing and Evaluating Fitness Programs .............. 3
PHED 498 Field Experience in Physical Education ............................................ 3

Required Health Courses:

HEAL 102 Health and Wellness ......................................................................... 3
HEAL 471 Nutrition ............................................................................................. 3

Cognate Courses:

BIOL 100 General Principles of Biology .......................................................... 4
or
BIOL 102 Introduction to Zoology

PSYC 100 Introductory Psychology ................................................................. 3
or
PSYC 227 Development Through the Life Cycle

Total minimum credits: 63

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

MOTOR DEVELOPMENT THERAPY/ADAPTED PHYSICAL EDUCATION CONCENTRATION

This concentration prepares the physical education major to work with children, youth and adults with disabilities. The program focuses on physical education to meet the developmental, sport, dance and leisure needs of special populations as well as the emotional and social needs of individuals with disabilities. The concentration prepares graduates for career opportunities in rehabilitation centers, clinics, hospitals, and social agencies as well as private and public schools. Opportunities for practical experience are provided through off-campus field experiences as well as the department-sponsored Children's Physical Developmental Clinic.

Required Physical Education Core Courses:

Students must achieve a grade of C- or better in the six courses listed below:            CREDITS

PHED 100 Applied Musculoskeletal Anatomy ......................................................... 3
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ......................................................... 3
PHED 217 Principles of Motor Learning .................................................................. 3
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .................. 3
PHED 385 Biomechanics ...................................................................................... 3
PHED 401 Physiology of Exercise ......................................................................... 4

Activity Requirement:

Students must achieve a grade of C- or better in the courses listed below:

PHED 285 Gymnastics ......................................................................................... 2
PHED 235 Rhythmic Activities ............................................................................ 1
PHED 280 New Games ........................................................................................ 1
Individual: Archery, Tennis, or Golf ................................................................. 1
Team: Volleyball or Soccer ................................................................................. 1
Dance: Folk, Square, or Modern .........................................................................
Aquatics: any swimming course ........................................................................
Fitness/Wellness: any fitness/wellness course .....................................................

Additional Required Courses:

PHED 324 Physical and Motor Development of Individuals with Disabilities ......................................................... 3
PHED 451 Prosthetics and Orthotics .................................................................. 3
Credentials

Movement Arts, Health Promotion and Leisure Studies

PHED 494 Advanced Study of Motor Programs for Individuals with Chronic Health Conditions ........................................ 3
PHED 498 Field Experience in Physical Education .................................................. 3

**Required Health Course:**
HEAL 102 Health and Wellness .................................................. 3

**Cognate Courses:**
BIOL 100 General Principles of Biology .............................................. 4
or
BIOL 102 Introduction to Zoology
PSYC 224 Child Psychology .................................................................. 3
or
PSYC 226 Adolescent Psychology
PSYC 327 Psychology of Exceptional Children ........................................ 3
or
PSYC 328 Psychology of Mental Retardation
PSYC 355 Behavior Analysis .................................................................. 3
PSYC 370 Abnormal Psychology .......................................................... 3

Total minimum credits: 59

**Core Curriculum Requirements**
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Students with a bachelor of arts major in physical education and a major in special education may select the motor development therapy/adapted physical education concentration. The academic program for the concentration is adjusted slightly to accommodate those students.

**Required Physical Education Core Courses:**
Students must achieve a grade of C- or better in the six courses listed below:  
CREDITS
PHED 100 Applied Musculoskeletal Anatomy ........................................... 3
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education .............................................................. 3
PHED 217 Principles of Motor Learning .................................................. 3
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .............. 3
PHED 385 Biomechanics ....................................................................... 3
PHED 401 Physiology of Exercise ............................................................. 4

**Activity Requirement:**
Students must achieve a grade of C- or better in the courses listed below:

PHED 285 Dance: Folk, Square, or Modern .......................................... 1
PHED 235 Rhythmic Activities ................................................................. 1
PHED 280 New Games .......................................................................... 1
Individual: Archery, Tennis, or Golf ...................................................... 1
Team: Volleyball or Soccer ................................................................... 1

**Additional Required Courses:**
PHED 324 Physical and Motor Development of Individuals with Disabilities ................................................................. 3
PHED 451 Prosthetics and Orthotics ....................................................... 3
PHED 494 Advanced Study of Motor Programs for Individuals with Chronic Health Conditions ........................................... 3
PHED 498 Field Experience in Physical Education .................................. 3

**Required Health Course:**
HEAL 102 Health and Wellness ...................................................... 3

**Cognate Courses:**
BIOL 100 General Principles of Biology ............................................. 4
or
BIOL 102 Introduction to Zoology
PSYC 224 Child Psychology ................................................................ 3
or
PSYC 226 Adolescent Psychology
SPED 202 Introduction to Special Education ........................................... 3
SPED 203 Cultural Diversity Issues in School and Society ..................... 3
SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner .............................................. 3

Total minimum credits: 59

**Core Curriculum Requirements**
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

**RECREATION CONCENTRATION**
This concentration provides the physical education major with the knowledge and skills necessary to pursue careers in a wide variety of leisure service settings. Specifically, students who have combined the study of physical education with the recreation concentration will be capable of arranging leisure time experiences and providing leadership for children and adults in government, industry and community service agencies.

**Required Physical Education Core Courses:**
Students must achieve a grade of C- or better in the six courses listed below:  
CREDITS
PHED 100 Applied Musculoskeletal Anatomy ........................................... 3
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ......................................................... 3
PHED 217 Principles of Motor Learning .................................................. 3
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) .............. 3
PHED 385 Biomechanics ....................................................................... 3
PHED 401 Physiology of Exercise ............................................................. 4

**Aquatics:** Any swimming course ...................................................... 1
Fitness/Wellness: any fitness/wellness ................................................... 1

**Note:** See Catalog Web Addenda at www.bridge.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Activity Requirement:
Students must achieve a grade of C- or better in the courses listed below:

PHED 280 New Games ..................................................... 1
One activity each from Areas A, B, C, D (see below) ..................... 4
Two additional activities from areas A, B, C, D (see below) —
may be a second level course .............................................. 2
Two additional from Areas A, B, C, D, and E ............................ 2
A) Individual/Dual Sports
B) Team Sports
C) Dance
D) Aquatics
E) Fitness/Wellness

Additional Required Courses:
RECR 230 Introduction to Recreation ...................................... 3
RECR 332 Leadership and the Group Process ............................. 3
RECR 461 Organization and Administration in Recreation ............... 3
RECR 462 Programming for Recreation and Leisure ..................... 3

Required Health Course:
HEAL 102 Health and Wellness ............................................ 3

Cognate Courses:
BIOL 100 General Principles of Biology ................................. 4
or
BIOL 102 Introduction to Zoology
PSYC 100 Introductory Psychology .................. ......................................................... 3
or
PSYC 227 Development Through the Life Cycle
SOCI 102 Introduction to Sociology ........................................ 3

Elective (choose one):
One of the following dance courses: .......................... ................................................... 3
PHED 146 Dance Appreciation
PHED 251 Dance History
PHED 255 Creative Dance I
PHED 256 Creative Dance II

Recommended Elective Experience:
RECR 498 Field Experience in Recreation ............................ (3-15)

Total Minimum Credits: 56

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Recreation and Fitness Club Administration Concentration
A concentration in recreation and fitness club administration prepares physical education majors to work with a variety of clientele at recreation and commercial fitness clubs. Concepts and principles related to cardiovascular health, physical activity and recreation program development and administration are emphasized. Practical field experiences are an essential component of this concentration.

Required Physical Education Core Courses:
Students must achieve a grade of C- or better in the six courses listed below:

PHED 100 Applied Musculoskeletal Anatomy ................................ 3
PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ................. 3
PHED 217 Principles of Motor Learning ............................ 3
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) ...... 3
PHED 385 Biomechanics ....................................................... 3
PHED 401 Physiology of Exercise ........................................... 4

Activity Requirement:
Students must achieve a grade of C- or better in the courses listed below:

PHED 163 Aerobics ........................................................... 1
PHED 204 Theory and Practice of Progressive Resistance Training .. 2
PHED 209 Theory and Practice of Metabolic Training ............... 2
PHED 280 New Games ....................................................... 1
Three additional credits selected from Areas A, B, C, D, and E ........ 3
A) Individual/Dual Sports
B) Team Sports
C) Dance
D) Aquatics
E) Fitness/Wellness

Additional Required courses:
PHED 400 Physiology and Techniques of Strength Fitness ............ 3
PHED 404 Exercise Prescription ........................................... 3
PHED 409 Planning, Implementing and Evaluating Fitness Programs .................................................. 3
PHED 498 Field Experience in Physical Education ................. 3
or
RECR 498 Field Experience in Recreation
RECR 332 Leadership and the Group Process ................. 3
RECR 461 Organization and Administration in Recreation .................. 3

Required Health Course:
HEAL 102 Health and Wellness ............................................ 3

Cognate Courses:
BIOL 100 General Principles of Biology ................................. 4
or
BIOL 102 Introduction to Zoology
PSYC 100 Introductory Psychology ............................ 3
or
PSYC 227 Development Through the Life Cycle

Total minimum credits: 56
Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Teacher Licensure Concentration (PreK-8)
Prerequisites:
1. Declaration as a physical education major
2. Acceptance in School of Education and Allied Studies teacher preparation program prior to taking 300 level physical education teacher preparation courses.

Required Physical Education Core Courses:
Students must achieve a grade of C- or better in the six courses listed below:

- PHED 100 Applied Musculoskeletal Anatomy ........................................ 3
- PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ........................................ 3
- PHED 217 Principles of Motor Learning ........................................ 3
- PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) ........................................ 3
- PHED 385 Biomechanics ........................................ 2
- PHED 401 Physiology of Exercise ........................................ 1

Activity Requirements:
Students must achieve a grade of C- or better in the courses listed below:

- PHED 281 Theory and Practice of Educational Dance ........................................ 2
- PHED 282 Theory and Practice of Games ........................................ 2
- PHED 285 Gymnastics ........................................ 2
- PHED 186 Track and Field ........................................ 1

Choose ONE of the following: ........................................ 1
- PHED 134 Self-defense
- PHED 163 Aerobics
- PHED 188 Jogging/Road Running
- PHED 190 Conditioning
- PHED 193 Weight Training
- PHED 194 Wrestling
- PHED 234 Yoga
- PHED 257 Movement and Relaxation

Choose ONE of the following: ........................................ 1
- PHED 150 Beginner Swimming
- PHED 202 Orienteering
- PHED 203 Rock Climbing
- PHED 250 Intermediate Swimming
- PHED 278 Bicycle Touring
- PHED 280 New Games
- PHED 356 Canoeing

Additional Required Courses:
Students must achieve a grade of C- or better in the courses listed below:

- PHED 205 Introduction to Teaching Physical Education in the Public Schools ........................................ 2
- PHED 210 Developmental Kinesiology ........................................ 3
- PHED 225 Observation and Analysis of Movement for Children ........................................ 4
- PHED 324 Physical and Motor Development of Individuals with Disabilities ........................................ 3
- PHED 326 Teaching Physical Education to Children ........................................ 3
- PHED 329 Teaching and Curriculum Development in the Middle and Junior High School ........................................ 3
- PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education ........................................ 6
- PHED 495 Field-Based Pre-Practicum (PreK-8) - Physical Education ........................................ 2
- PHED 496 Practicum in Student Teaching (PreK-8) - Physical Education ........................................ 12

*Must be completed prior to admission to professional education and enrollment in all other teacher licensure courses.

Required Health Course:
HEAL 102 Health and Wellness ........................................ 3

Cognate Courses:
- BIOL 100 General Principles of Biology ........................................ 4
- BIOL 102 Introduction to Zoology ........................................ 3
- PSYC 227 Development Through the Life Cycle ........................................ 3

Current certificate from the American Red Cross for Standard First Aid and CPR.

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Teacher Licensure Concentration (5-12)
Prerequisites:
1. Declaration as a physical education major
2. Acceptance in School of Education and Allied Studies teacher preparation program prior to taking 300 level physical education teacher preparation courses.

Required Physical Education Core Courses:
Students must achieve a grade of C- or better in the six courses listed below:

- PHED 100 Applied Musculoskeletal Anatomy ........................................ 3
- PHED 117 Historical and Philosophical Foundations of Sport and Physical Education ........................................ 3
- PHED 217 Principles of Motor Learning ........................................ 3

SCHOOL OF EDUCATION AND ALLIED STUDIES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
PHED 318 Socio-Cultural Foundations of Sport (Writing Intensive in the Major Core Curriculum Requirement-CWRM) ............3
PHED 385 Biomechanics .............................................3
PHED 401 Physiology of Exercise ....................................4

Activity Requirement:
Students must achieve a grade of C- or better in the courses listed below:
PHED 281 Theory and Practice of Educational Dance
OR choose TWO of the following dance courses: ................. 2
PHED 153 Jazz Dance
PHED 161 Folk Dance
PHED 164 Square Dance
PHED 166 African Dance
PHED 167 Street Dance
PHED 168 Ballroom
PHED 235 Rhythmic Activities

PHED 282 Theory and Practice of Games ..............................2
PHED 285 Gymnastics ..................................................2
PHED 186 Track and Field ..............................................1

Choose ONE of the following: ...........................................1
PHED 134 Self-defense
PHED 163 Aerobics
PHED 188 Jogging/Road Running
PHED 190 Conditioning
PHED 193 Weight Training
PHED 194 Wrestling
PHED 234 Yoga
PHED 257 Movement and Relaxation

Choose ONE of the following: ...........................................1
PHED 150 Beginner Swimming
PHED 202 Orienteering
PHED 203 Rock Climbing
PHED 250 Intermediate Swimming
PHED 278 Bicycle Touring
PHED 280 New Games
PHED 356 Canoeing

Additional Required Courses:
Students must achieve a grade of C- or better in the 9 courses listed below as well as PSYC 227 before admittance to student teaching.
* PHED 205 Introduction to Teaching Physical Education in the Public Schools ........................................... 2
PHED 210 Developmental Kinesiology ................................3
* PHED 212 Strategies and Analysis of Motor Skills ............. 3
PHED 315 Teaching Team and Individual Sports ....................4
PHED 324 Physical and Motor Development of Individuals with Disabilities ....................................................3
PHED 329 Teaching and Curriculum Development in the Middle and Junior High School ............................... 3
PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education ...................................6
PHED 491 Field-Based Pre-Practicum (5-12) - Physical Education ............................................................. 2
PHED 492 Practicum in Student Teaching (5-12) - Physical Education ...........................................................12
* Must be completed prior to admission to professional education and enrollment in all other teacher licensure courses.

Required Health Course:
HEAL 102 Health and Wellness .......................................3

Cognate Courses:
BIOL 100 General Principles of Biology ............................4
or
BIOL 102 Introduction to Zoology
PSYC 227 Development Through the Life Cycle ..................3

Current certificate from the American Red Cross for Standard First Aid and CPR.

Total minimum credits: 76

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

BACHELOR OF SCIENCE

HEALTH EDUCATION

HEALTH EDUCATION MAJOR
Health education can lead to the improved health status of individuals, families and communities. It involves the use of systematic strategies to improve health knowledge, attitudes, skills and behaviors. Health educators work in schools, public health agencies, voluntary nonprofit organizations, hospitals, colleges and universities, business and industries.

The 44-credit health education major is designed to guide students though learning experiences that emphasize the multiple dimensions of health, and draws on the behavioral and natural sciences as well as health science and public health. The major prepares students to design, implement, and evaluate scientifically and methodologically sound health education experiences, and to equip students with the professional skills that will enable them to be proficient practitioners.

Students wishing to pursue teaching licensure in health/family and consumer sciences must meet the criteria for admission to professional education programs as well as declare a minor in secondary education. Those interested in teacher licensure should refer to the "Secondary Education and Professional Programs" section of this catalog.
### Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAL 200 Principles and Practices of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 300 Current Issues in Health</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 401 Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 405 Drugs in Society</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 407 Stress Management</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 430 Epidemiology and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 450 Health Promotion Strategies</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 451 Program Planning in Health Promotion (Writing Intensive in the Major Core Curriculum Requirement-CWWM)</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 471 Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 477 Environmental and Consumer Health</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 490 Senior Seminar in Health Education</td>
<td>1</td>
</tr>
<tr>
<td>PHED 200 Fitness for Life</td>
<td></td>
</tr>
</tbody>
</table>

### Cognate Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 251 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 227 Development Through the Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>SPED 203 Cultural Diversity Issues in School and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Total minimum credits: 44

### Teacher Licensure Option Requirements (PreK - 12):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDHM 210 Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 235 Learning and Motivation</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 335 Assessment and Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 445 Content Area Reading, Writing and Study Skills</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 491 Field Based Pre-Practicum in Health</td>
<td>2</td>
</tr>
<tr>
<td>HEAL 492 Practicum in Student Teaching-Health</td>
<td>12</td>
</tr>
</tbody>
</table>

* To be completed prior to admission to Professional Education and enrollment in any other education courses.

Total minimum credits (teacher licensure option): 70

### Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

### MINOR PROGRAMS

#### COACHING MINOR

The coaching minor meets the needs of the coaching profession by providing an opportunity for students who are not majoring in physical education to combine the study of coaching with a major in any discipline. This multidisciplinary program approach will prepare the student for coaching related careers in community-based organizations such as youth sports programs, church programs, recreational settings and school settings.

#### DANCE INTERDISCIPLINARY MINOR

This program, offered in cooperation with the Department of Theater and Dance, is designed to give students an overall experience and appreciation for dance as an art form and educational vehicle. It is designed to supplement major work in theater arts, physical education, music, and art and elementary education. The program includes the study of techniques of various styles of dance, dance history and theory, choreography and production.

### Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA/PHED 155 Dance Practicum (two semesters)</td>
<td>2</td>
</tr>
<tr>
<td>THEA/PHED 251 Dance History</td>
<td>3</td>
</tr>
<tr>
<td>THEA/PHED 255 Creative Dance I</td>
<td>3</td>
</tr>
<tr>
<td>THEA/PHED 256 Creative Dance II</td>
<td>3</td>
</tr>
<tr>
<td>THEA/PHED 357 Dance Production Theory</td>
<td>1</td>
</tr>
<tr>
<td>THEA/PHED 358 Dance Production Techniques</td>
<td>1</td>
</tr>
<tr>
<td>PHED 154 Ballet</td>
<td></td>
</tr>
</tbody>
</table>

### Six credits in the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHED 237 Theory and Practice of Jazz Dance, Fall</td>
<td></td>
</tr>
<tr>
<td>PHED 242 Theory and Practice of Ballet, Fall</td>
<td></td>
</tr>
<tr>
<td>PHED 245 Theory and Practice of Ballet, Spring</td>
<td></td>
</tr>
<tr>
<td>PHED 247 Theory and Practice of Jazz Dance, Spring</td>
<td></td>
</tr>
<tr>
<td>PHED 248 Theory and Practice of Modern Dance, Fall</td>
<td></td>
</tr>
<tr>
<td>PHED 249 Theory and Practice of Modern Dance, Spring</td>
<td></td>
</tr>
<tr>
<td>PHED 259 Dance Repertory</td>
<td></td>
</tr>
<tr>
<td>PHED 271 Theory and Practice of Tap Dance</td>
<td></td>
</tr>
</tbody>
</table>

### Elective (choose one):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHED 161 Folk Dance</td>
<td>1</td>
</tr>
<tr>
<td>PHED 164 Square Dance</td>
<td></td>
</tr>
<tr>
<td>PHED 168 Ballroom Dance</td>
<td></td>
</tr>
<tr>
<td>PHED 268 Ballroom Dance II—Theory, Practice and Performance</td>
<td></td>
</tr>
<tr>
<td>MUSC 160 Music: A Listening Approach is recommended but not required.</td>
<td></td>
</tr>
</tbody>
</table>

(All activity courses successfully completed in this minor count toward the minimum 120 degree credits required for graduation.)

Total minimum credits: 22
EXERCISE PHYSIOLOGY MINOR
A minor in exercise physiology is available to students not majoring in physical education who desire in-depth study of how the body reacts to participation in physical exercise. Emphasis is on strength development, cardiovascular function, metabolism, exercise prescription and the interaction of body systems. Career opportunities are available in health and fitness settings associated with industry, hospitals, agencies and human service organizations.

Required Courses:  
- HEAL 471 Nutrition 3 credits  
- PHED 400 Physiology and Techniques of Strength Fitness 3 credits  
- PHED 401 Physiology of Exercise 4 credits  
- PHED 402 Exercise Metabolism 3 credits  
- PHED 403 Cardiovascular Analysis, Evaluation, and Rehabilitation 3 credits  
- PHED 404 Exercise Prescription 3 credits  
- BIOL 102 Introduction to Zoology 4 credits

Total minimum credits: 23

HEALTH PROMOTION MINOR
The department offers a health promotion minor which is open to all undergraduates with the exception of health majors. The health promotion minor provides an opportunity for students to combine the study of health with a major in any discipline. This multidisciplinary program approach will prepare the student for health-related careers in community-based organizations, such as business, industry, hospitals and agencies that deal with health problems, health promotion or health services.

Required Courses:  
- HEAL 102 Health and Wellness 3 credits  
- HEAL 401 Human Sexuality 3 credits  
- HEAL 405 Drugs in Society 3 credits  
- HEAL 430 Epidemiology and Community Health 3 credits  
- HEAL 471 Nutrition 3 credits  
- HEAL 477 Environmental and Consumer Health 3 credits

Elective (choose one): 3 credits
- HEAL 300 Current Issues in Health
- HEAL 302 American Red Cross Standard First Aid
- HEAL 407 Stress Management
- HEAL 420 Women's Health Issues
- HEAL 450 Health Promotion Strategies
- HEAL 451 Program Planning in Health Promotion
- HEAL 483 Nutrition and Cardiovascular Health
- HEAL 484 Death and Dying Education
- HEAL 499 Directed Study in Health

Total minimum credits: 21

HEALTH RESOURCES MANAGEMENT
INTERDISCIPLINARY MINOR
The Department of Movement Arts, Health Promotion and Leisure Studies cooperates with the Department of Management in offering an interdisciplinary minor in health resources management.

Students from relevant liberal arts and other related programs may elect this minor to develop skills and background knowledge to gain employment at the entry level of health care delivery management. This minor is most appropriate for students in the social sciences, social work, physical education, communication arts, management and other human service oriented professions. The minor is not available to health majors.

Required Courses:  
- ACFI 240 Principles of Accounting I 3 credits  
- HEAL 102 Health and Wellness 3 credits  
- HEAL 430 Epidemiology and Community Health 3 credits  
- MGMT 130 Principles of Management 3 credits  
- MGMT 140 Human Resources Management 3 credits

Elective (choose one): 3 credits
- ACFI 241 Principles of Accounting II
- ACFI 385 Managerial Finance
- HEAL 401 Human Sexuality
- HEAL 405 Drugs in Society
- HEAL 471 Nutrition
- HEAL 477 Environmental and Consumer Health
- MGMT 200 Marketing Principles
- MGMT 375 Personnel Development

Total minimum credits: 18

RECREATION MINOR
The recreation minor is open to all undergraduates. It provides a multidisciplinary approach to producing recreation professionals capable of administering, supervising and leading leisure services. Students who minor in recreation may choose to specialize in one of the following: therapeutic recreation, outdoor recreation, play specialist or recreation generalist. Students who complete the recreation minor will be prepared to assume careers in a wide variety of settings — social institutions, hospitals, business and industry, preschools, community schools, Y’s, the out-of-doors (challenge/adventure/Outward Bound) and government correctional institutions.

Required Courses:  
- RECR 230 Introduction to Recreation 3 credits  
- RECR 332 Leadership and the Group Process 3 credits  
- RECR 461 Organization and Administration in Recreation 3 credits  
- RECR 462 Programming for Recreation and Leisure 3 credits

Two additional courses in recreation to be chosen with department approval depending upon elected area of specialization 6 credits

Recommended Elective Experience: RECR 498 Field Experience in Physical Education (3-15)

Total minimum credits: 18
Movement Arts, Health Promotion and Leisure Studies

HONORS PROGRAM
The Honors Program in Movement Arts, Health Promotion and Leisure Studies provides highly motivated Movement Arts, Health Promotion and Leisure Studies majors with opportunities to enhance their academic program through intensive scholarly study and research designed to be of assistance in post-graduate employment or in the pursuit of an advanced degree in movement arts, health promotion or leisure studies. Contact the Department of Movement Arts, Health Promotion and Leisure Studies for further information concerning eligibility and application.

GRADUATE PROGRAMS
The Department of Movement Arts, Health Promotion and Leisure Studies offers several programs designed to meet the needs of graduate students including: postbaccalaureate programs that allow students to apply for initial licensure as a Teacher of Physical Education (PreK-8 or 5-12) or Teacher of Health Education (PreK-12) and programs leading to the degrees of Master of Education in Health Promotion and Master of Science in Physical Education.

POSTBACCALAUREATE INITIAL LICENSURE PROGRAM
TEACHER OF PHYSICAL EDUCATION (PREK-8, 5-12)
This program is designed for persons who have a bachelor’s degree and wish to be licensed as a teacher of physical education (PreK-8 or 5-12). Students who successfully complete the curriculum below are eligible to apply for initial licensure.

For information regarding application procedures and admission standards, students should consult the “School of Graduate Studies” section of this catalog. Students seeking initial licensure should consult the section of this catalog titled “School of Education and Allied Studies” professional education admission and retention information and important institutional deadlines.

Admission Requirements
- A 2.8 GPA
- Three appropriate letters of recommendation. At least one letter of recommendation should be an academic reference from a professor.
- A qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).
- Official transcripts of undergraduate and graduate course work.

Program Requirements
Students must complete the following 34 credits or the equivalent:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHED 100 Applied Musculoskeletal Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>PHED 117 Historical and Philosophical Foundations of Sport and Physical Education</td>
<td>3</td>
</tr>
<tr>
<td>PHED 210 Developmental Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PHED 217 Principles of Motor Learning</td>
<td>3</td>
</tr>
<tr>
<td>PHED 318 Socio-Cultural Foundations of Sport</td>
<td>3</td>
</tr>
<tr>
<td>PHED 324 Physical and Motor Development of Individuals with Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>PHED 385 Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHED 401 Physiology of Exercise</td>
<td>4</td>
</tr>
</tbody>
</table>

Activity Requirement: Specific physical education activities pertinent to teaching at this level as identified by the department teacher preparation committee.

Teacher licensure courses
PREK-8
*PHED 205 Introduction to Teaching Physical Education in the Public Schools ........................................... 3
*PHED 225 Observation and Analysis of Movement for Children ....................................................... 4
PHED 326 Teaching Physical Education to Children .............................................................................. 3
PHED 329 Teaching and Curriculum Development in the Middle and Junior High School ..................... 3
PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education ............................. 6
PHED 495 Field-Based Pre-Practicum (PreK-8) - Physical Education ...................................................... 2
PHED 496 Practicum in Student Teaching (PreK-8) - Physical Education ............................................... 12
PSYC 227 Development Through the Life Cycle ...................................................................................... 3
or
PSYC 100 Introductory Psychology

Current certificate from the American Red Cross for Standard First Aid and CPR.

Total minimum credits (PreK-8): 70

5-12
*PHED 205 Introduction to Teaching Physical Education in the Public Schools ........................................... 2
*PHED 212 Strategies and Analysis of Motor Skills .................................................................................. 3
PHED 315 Teaching Team and Individual Sports ..................................................................................... 4
PHED 329 Teaching and Curriculum Development in the Middle and Junior High School ..................... 3
PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education ............................. 6
PHED 491 Field-Based Pre-Practicum (5-12) - Physical Education ......................................................... 2
PHED 492 Practicum in Student Teaching (5-12) - Physical Education ................................................... 12
PSYC 227 Development Through the Life Cycle ...................................................................................... 3
or
PSYC 100 Introductory Psychology

SCHOOL OF EDUCATION AND ALLIED STUDIES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Movement Arts, Health Promotion and Leisure Studies

Current certificate from the American Red Cross for Standard First Aid and CPR.

Total minimum credits (5-12): 69

*To be completed prior to admission to professional education and enrollment in upper division (300 level) education courses.

**Postbaccalaureate Initial Licensure Program Teacher of Health (Teacher Licensure in Health/Family and Consumer Sciences — PreK-12)**

This program is designed for persons who have a bachelor's degree and wish to be licensed as teachers of health education (PreK-12). Students who successfully complete the curriculum below are eligible. For information regarding application procedures and admission standards, students should consult the "School of Graduate Studies" section of this catalog.

Students seeking initial licensure should consult the section of this catalog entitled "School of Education and Allied Studies" for information pertaining to licensure, admission to and retention in professional education, as well as important institutional deadlines.

In addition to GRPP 501 Graduate Program Planning (1 credit) taken their first semester, students accepted to the postbaccalaureate licensure program must complete the following:

**Admission Requirements**

- A 2.8 GPA
- Three appropriate letters of recommendation. At least one letter of recommendation should be an academic reference from a professor.
- A qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).
- Official transcripts of undergraduate and graduate course work.

**Program Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 251 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>* EDHM 210 Introduction to Teaching</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 235 Learning and Motivation</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 335 Assessment and Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 445 Content Area Reading, Writing and Study Skills</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 200 Principles and Practices of Health Education</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 300 Current Issues in Health</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 401 Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 405 Drugs in Society</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 407 Stress Management</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 430 Epidemiology and Community Health</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 450 Health Promotion Strategies</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 471 Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 477 Environmental and Consumer Health</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 491 Field-Based Pre-Practicum in Health</td>
<td>2</td>
</tr>
<tr>
<td>HEAL 495 Practicum in Student Teaching — Elementary Health</td>
<td>6</td>
</tr>
<tr>
<td>HEAL 496 Practicum in Student Teaching — Secondary Health</td>
<td>6</td>
</tr>
<tr>
<td>PHED 200 Fitness for Life</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 227 Development Through the Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>SPED 203 Cultural Diversity Issues in School and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must supply evidence of current certification in Standard First Aid and CPR. Total minimum credits: 67

*To be completed prior to admission to professional education and enrollment in upper division education courses.

**Master of Education in Health Promotion**

This program is designed for individuals who are currently involved in health promotion activities or who seek to prepare for health-related careers in community-based organizations such as businesses, industry, agencies, hospitals and voluntary and official health agencies, as well as for in-service teachers.

Students who apply for admission to the MEd program in health promotion should have completed at least 12 hours of credit at the baccalaureate level in the social/behavioral sciences, at least one course in epidemiology or health services organization and six hours of credit at the baccalaureate level in health-related courses. Students may petition the department Graduate Committee to substitute job-related experiences for any of the aforementioned academic requirements.

Applicants who do not possess an adequate background in health and/or related areas will be required to make up course deficiencies. Such background course work will not be applied to the graduate program's minimum credit requirements.

**Admission Requirements**

- A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior year
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work

**Program Requirements**

The graduate program of study includes:

1. GRPP 501 Graduate Program Planning (required of most first semester graduate students; see "Graduate Advisers and Program Planning" in the "School of Graduate Studies" section of this catalog) 1
2. All master’s degree candidates in health promotion will be required to successfully complete the following core requirements:
HEAL 504 Seminar in Health Promotion Theory and Literature ..........3
HEAL 511 Research and Evaluation Methods in Health Promotion ..3
HEAL 518 Quantitative Methods in Health Promotion and Epidemiology ..................................................3
HEAL 519 Scientific and Philosophical Foundations of Health Promotion ..................................................3
HEAL 520 Designing and Administering Health Promotion Programs ..................................................3

3. All master’s degree candidates will be required to choose one of four alternative courses of study:
Option A
1. Successful completion of the core requirements and GRPP 501 ...............................................................16
2. Individualized program of health (HEAL) electives by advisement. Non-health electives may be taken only with prior written consent of adviser .................................................................18
3. Comprehensive Examination on core requirements
   Total minimum credits (option A): 34

Option B
1. Successful completion of the core requirements and GRPP 501 ...............................................................16
2. Individualized program of health (HEAL) electives by advisement. Non-health electives may be taken only with prior written consent of adviser .................................................................15
3. Health Promotion Project (HEAL 501) .................................................................3
4. Comprehensive Examination: oral defense of health promotion project
   Total minimum credits (option B): 34

Option C
1. Successful completion of the core requirements and GRPP 501 ...............................................................16
2. Individualized program of health (HEAL) electives by advisement. Non-health electives may be taken only with prior written consent of adviser .................................................................12
3. Thesis in Health Promotion (HEAL 502) .................................................................6
   Total minimum credits (option C): 34

Option D: Health Fitness Promotion Concentration
1. Successful completion of the core requirements and GRPP 501 ...............................................................16
2. Concentration Courses .................................................................3
   PHED 518 Advances in Exercise Metabolism .................................................................3
   PHED 519 Advances in Exercise Prescription .................................................................3
   PHED 544 Applied Laboratory Techniques in Exercise Science .................................................................3
   Total of nine semester hours in any subject area chosen with the approval of the graduate faculty adviser.
   These may include HEAL 501 or HEAL 502 .................................................................9
3. Comprehensive Examination
   a. Examination on core requirements or
   b. Oral defense of HEAL 501 or
   c. Oral defense of HEAL 502
   Total minimum credits (option D): 34

MASTER OF SCIENCE IN ATHLETIC TRAINING
This program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) and prepares the athletic training student with the necessary academic and clinical experiences to sit for the National Athletic Trainer’s Association Board of Certification Examination (BOC). The program includes courses in injury prevention, recognition, assessment, and immediate care of athletic injuries, health care administration, and professional development and responsibility.

Admission into the ATEP is limited and competitive. In addition to acceptance in the School of Graduate Studies, candidates must complete a separate application process, which is due to the ATEP Program Director by March 1. Candidates should contact the Program Director for application materials or download them from the ATEP website at www.bridgew.edu/ATEP.

Prerequisite content courses:
Anatomy and Physiology I
Anatomy and Physiology II
Introduction to Athletic Training
Introductory Psychology
Kinesiology/Biomechanics
Exercise Physiology
Protective Techniques in Athletic Training (Taping, bracing, and protective equipment)
Current Emergency Cardiac Care Certification (Certification in Advanced First Aid, Adult and Pediatric CPR, AED, and use of barrier devices)

CREDITS
ATTR 510 Nutrition for the Physically Active .................................................................3
ATTR/PHED 511 Research Methods in Physical Education .................................................................3
ATTR 540 Management of Lower Extremity Conditions .................................................................3
ATTR 541 Management of Upper Extremity and Torso Conditions .................................................................3
ATTR 542 Therapeutic Exercise .................................................................3
ATTR 543 Pharmacology for the Physically Active .................................................................1.5
ATTR 546 Medical Conditions and Disabilities of the Physically Active .................................................................1.5
ATTR 550 Therapeutic Modalities .................................................................3
ATTR 561 Level I Clinical Experience in Athletic Training .................................................................3
ATTR 562 Level II Clinical Experience in Athletic Training .................................................................3
ATTR 563 Level III Clinical Experience in Athletic Training .................................................................3
ATTR 564 Level IV Clinical Experience in Athletic Training .................................................................3
ATTR 565 Level V Clinical Experience in Athletic Training .................................................................3
ATTR 590 Administration of Athletic Training .................................................................3

Total minimum credits: 39

SCHOOL OF EDUCATION AND ALLIED STUDIES
Note: See Catalog Addenda at www.bridgew.edu/catalog/addenda as that information supersedes the published version of this catalog.
MASTER OF SCIENCE IN PHYSICAL EDUCATION
This program is designed for individuals with an undergraduate major in physical education, or its equivalent, who wish to pursue new career directions related to the field in community-based organizations, such as business, industry, agencies, hospitals and educational settings or who wish to enhance their undergraduate preparation through advanced study. Several program concentrations are available and are described below.

Applicants who do not possess an adequate background in physical education and/or related areas will be required to make up course deficiencies. Such background course work will not be applied to the graduate program's minimum credit requirements.

Admission Requirements
- A minimum undergraduate GPA of 2.75 based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior year
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work

Program Requirements
The graduate program of study involves a minimum of 30 graduate credits. Students must elect one of the following options:

A. Concentration in Human Performance and Health Fitness

Required courses:
- PHED 511 Research Methods in Physical Education ........................................ 3
- PHED 515 Advances in Exercise Circulation ................................................ 3
- PHED 517 Experimental Processes in Physical Education ................................ 3
- PHED 518 Advances in Exercise Metabolism ................................................ 3
- PHED 519 Advances in Exercise Prescription ................................................. 3
- PHED 544 Applied Laboratory Techniques in Exercise Science .................. 3
- PHED 595 Internship in Physical Education ................................................... 3-6

Suggested Electives:
Specific course selection will be made by the adviser and student based upon the student's professional background and program objectives. The following courses would be appropriate ......................... 6-7

HEAL 471 Nutrition
HEAL 483 Nutrition and Cardiovascular Health
HEAL 518 Quantitative methods in Health Promotion and Epidemiology
*PHED 400 Physiology and Techniques of Strength Fitness
PHED 402 Exercise Metabolism
*PHED 403 Cardiovascular Function, Analysis and Evaluation
PHED 404 Exercise Prescription
PHED 405 Exercise Circulation: Mechanisms and Morphology

PHED 502 Research (variable credit)
PHED 503 Directed Study
PHED 504 Nutrition for Sports, Exercise and Weight Control
PHED 516 Exercise Electrocardiography
PHED 520 Health Fitness Program Planning and Management
PHED 545 Physical Conditioning and Training in Sport and Exercise

*Recommended based on student's program. Both may be taken.
Total minimum credits: 30

B. Concentration in Adapted Physical Education

Required courses: 
- PHED 451 Prosthetics and Orthotics ......................................................... 3
- PHED 484 Physical Education for Children and Youth with Disabilities .... 3
- PHED 494 Advanced Study of Motor Programs for Individuals with Chronic Health Conditions .................. 3
- PHED 508 Motor Learning ........................................................................... 3
- PHED 511 Research Methods in Physical Education .................................... 3
- PHED 595 Internship in Physical Education ................................................. 3-6
- Courses in psychology and/or special education appropriate to individual program ........................................... 9
- Electives appropriate to program ................................................................. 3-6
Total minimum credits: 30

C. Concentration in Applied Kinesiology

Required courses:
- PHED 511 Research Methods in Physical Education .................................... 3
- PHED 517 Experimental Processes in Physical Education ......................... 3

Choice of four of the following five courses ................................................. 12
- PHED 506 Philosophy and Principles of Physical Education .................... 3
- PHED 508 Motor Learning ........................................................................... 3
- PHED 545 Physical Conditioning and Training in Sports and Exercise .... 3
- PHED 546 Applied Biomechanics and Movement Analysis .................. 3
- PHED 571 Psychological/Social Issues in Sport ......................................... 3

Electives:
- 4 courses as electives .................................................................................. 12
or
- 2-3 courses (6-9 credits) and a project or thesis (3-6 credits)
Total minimum credits: 30

D. Concentration in Strength and Conditioning

Required courses:
- PHED 504 Nutrition for Sports, Exercise and Weight Control .................. 3
- PHED 511 Research Methods in Physical Education .................................... 3
- PHED 517 Experimental Processes in Physical Education ......................... 3
- PHED 523 Strength and Conditioning Laboratory ....................................... 3
- PHED 543 Foundations of Resistance Training .......................................... 3

Total minimum credits: 30
PHED 545 Physical Conditioning and Training in Sports .................. 3
and Exercise
PHED 595 Internship in Physical Education ....................... 3-6

Electives:
Three classes or a combination of classes, directed studies or thesis ......................................................... 9

Suggested Electives:
PHED 400 Physiology and Techniques of Strength Fitness
PHED 402 Exercise Metabolism
PHED 403 Cardiovascular Analysis Evaluation and Rehabilitation
PHED 404 Exercise Prescription
PHED 405 Exercise Circulation: Mechanisms and Morphology
PHED 406 Personal Fitness Training
PHED 502 Research
PHED 503 Directed Study
PHED 506 Philosophy and Principles of Physical Education
PHED 508 Motor Learning
PHED 516 Exercise Electrocardiography
PHED 520 Health Fitness Program Planning and Management
PHED 546 Applied Biomechanics and Movement Analysis
HEAL 471 Nutrition
HEAL 483 Nutrition and Cardiovascular Health
HEAL 518 Quantitative Methods in Health Promotion and Epidemiology

Upon completion of the program all students must take the comprehensive exams or complete a written thesis under the guidance of an adviser.

Total minimum credits: 30

E. Individualized Program of Study:
Development of a program of study, in consultation with the program adviser, to meet individual career and educational goals. The program must include a minimum of 15 credits in physical education.

Total minimum credits: 30
Secondary Education and Professional Programs

High School Education

Middle School Education

Educational Leadership

Instructional Technology

Faculty

Chairperson: Associate Professor Lynne Yeamans

Graduate Program Coordinators:
Associate Professor John-Michael Bodi (SEAS Core Courses),
Assistant Professor Thomas Brady (Accelerated Post-
baccalaureate and Postbaccalaureate Programs),
Associate Professor Lynn Yeamans (Educational Leadership),
Assistant Professor Thanh Nguyen (Instructional Technology)

Professor: Raymond ZuWallack

Associate Professor: Anne Hird

Assistant Professors: Benedicta Eyemaro, Stephen Nelson, Phyllis Gimbel

Department Telephone Number: 508.531.1320
Location: Tinsley Center, Room 214
Web site: www.bridgew.edu/SecondEd

Degree Programs

• MAT - (High School/Middle School)
  Areas: biology, creative arts, English, history, mathematics,
  music education, physical science, physics
• MEd in Educational Leadership
• MEd in Instructional Technology

Postbaccalaureate Licensure Programs

• Secondary Education (High School/Middle School, PreK-12 Specialist)
  Areas: biology, chemistry, dance, earth science,
  English, history, mathematics, music, physics,
  theater, visual art
• Educational Leadership

Certificate of Advanced Graduate Study Programs (CAGS)

• Educational Leadership

Undergraduate Minors

• Secondary Education
  Secondary Education – High School
  (Areas: biology, chemistry, earth sciences, English,
  history, mathematics, physics)
  Secondary Education – Middle School
  (Areas: biology, chemistry, earth sciences, English,
  history, mathematics, physics)
  Secondary Education – Middle-High School
  (Area: visual art)
  Secondary Education – PreK-Middle School
  (Area: visual art)
  Secondary Education – PreK-High School
  (Areas: dance, health/family and consumer science, music, theater)

Undergraduate Programs

All courses are structured to address the transition toward the contemporary concerns of human development, diversity, equity and ethics. The learner is regarded as one who has an active role in constructing his/her knowledge base, values and attitudes. The varied cultural backgrounds of students and teachers are seen as a positive context in which one can listen, consider and learn. The department sees its role as interactive with other education departments and with the School of Arts and Sciences, addressing joint missions and fostering the development of curriculum, methodologies and perspectives that enhance the individual and society.

All students who intend to become licensed educators must apply for admission and be accepted into professional education through the School of Education and Allied Studies. All students seeking licensure must consult the section of this catalog entitled “School of Education and Allied Studies” for information pertaining to the state regulations for the licensure of educational personnel and important institutional deadlines.

Students are advised to check the secondary education and preprofessional programs Web site periodically at www.bridgew.edu/SecondEd.

Instructional Media Minor

This program is inactive.

Secondary Education Minor (High School (8-12), Middle School (5-8), PreK-12 Specialist)

The department offers a minor in secondary education. A student selecting this minor must select a major in an appropriate academic discipline. The major requirements for each academic discipline, including cognates and the secondary education minor, are described on the following pages.
Secondary Education and Professional Programs

The secondary education minor is designed for students who intend to qualify for a teacher license in one of the following areas:

Secondary Education – High School
(Areas: biology, chemistry, earth sciences, English, history, mathematics, physics)
Secondary Education – Middle School
(Areas: biology, chemistry, earth sciences, English, history, mathematics, physics)
Secondary Education – Middle-High School
(Area: visual art)
Secondary Education – PreK-Middle School
(Area: visual art)
Secondary Education – PreK-High School
(Areas: dance, health/family and consumer science, music, theater)

Teacher of Biology (5-8)
Teacher of Biology (8-12)
Teacher of Chemistry (5-8)
Teacher of Chemistry (8-12)
Teacher of Dance (all levels)
Teacher of Earth Science (5-8)
Teacher of Earth Science (8-12)
Teacher of English (5-8)
Teacher of English (8-12)
Teacher of Health/Family and Consumer Sciences (all levels)
Teacher of History (5-8)
Teacher of History (8-12)
Teacher of Mathematics (5-8)
Teacher of Mathematics (8-12)
Teacher of Music (all levels)
Teacher of Physics (5-8)
Teacher of Physics (8-12)
Teacher of Theater (all levels)
Teacher of Visual Art (PreK-8)
Teacher of Visual Art (5-12)

In addition to majoring in an appropriate academic discipline (see academic disciplines for secondary education minors), students seeking 5-8, 8-12, or PreK-12 licensure must also complete the secondary education minor, and meet all requirements for acceptance into the program.

High School (biology, chemistry, earth science, English, history, math, physics – grades 8-12) Credits

*EDHM 210 Introduction to Teaching ............................................ 3
*EDHM 235 Learning and Motivation ............................................. 3
EDHM 335 Assessment and Planning ............................................ 3
EDHM 445 Content Area Reading, Writing and Study Skills .......... 3
An appropriate strategies for teaching course:
HSED 412, HSED 414, HSED 422, HSED 465 or HSED 440 .............. 3
EDHM 490 Teaching Practicum ..................................................... 12

Cognates:
PSYC 227 Development Through the Life Cycle ......................... 3
SPED 203 Cultural Diversity Issues in School and Society ........... 3

*To be completed prior to admission to professional education and enrollment in any other education courses.
Total minimum credits: 33

Middle School: (biology, chemistry, earth science, English, history, math, physics – grades 5-8) Credits

*EDHM 210 Introduction to Teaching ............................................ 3
EDHM 235 Learning and Motivation ............................................. 3
EDHM 335 Assessment and Planning ............................................ 3
EDHM 445 Content Area Reading, Writing and Study Skills .......... 3
An appropriate strategies for teaching course:
MSED 450, MSED 451, MSED 456 or MSED 465 ......................... 3
EDHM 490 Teaching Practicum ..................................................... 12

Cognates:
PSYC 227 Development Through the Life Cycle ......................... 3
SPED 203 Cultural Diversity Issues in School and Society ........... 3

*To be completed prior to admission to professional education and enrollment in any other education courses.
Total minimum credits: 33

PreK-8, 5-12 and PreK-12 Specialists (dance, health/family and consumer science, music, theater, visual art) Credits

*EDHM 210 Introduction to Teaching ............................................ 3
EDHM 235 Learning and Motivation ............................................. 3
EDHM 335 Assessment and Planning ............................................ 3
EDHM 445 Content Area Reading, Writing and Study Skills .......... 3
An appropriate strategies for teaching course:
EDHM 413, EDHM 424, EDHM 425, EDHM 459, HEAL 450 or HSED 440 ......................................................... 3
EDHM 490 Teaching Practicum ..................................................... 12

Cognates:
PSYC 227 Development Through the Life Cycle ......................... 3
SPED 203 Cultural Diversity Issues in School and Society ........... 3

*To be completed prior to admission to professional education and enrollment in any other education courses.
Total minimum credits: 33

ACADEMIC DISCIPLINES FOR SECONDARY EDUCATION MINORS

Students desiring to complete a minor in secondary education (high school, middle school, PreK-12) must also complete an academic major. Appropriate academic majors, along with major and cognate requirements, are listed below. It is important to note that in many cases the major or cognate requirements for

SCHOOL OF EDUCATION AND ALLIED STUDIES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
students selecting an education minor are somewhat different from those that hold for students who do not minor in education.

**Biology (Teacher of Biology 5-8 or 8-12)**
See the "Biology" section of this catalog for discipline area requirements.

**Chemistry (Teacher of Chemistry 5-8 or 8-12)**
See the "Chemistry" section of this catalog for discipline area requirements.

**Dance (Teacher of Dance – all levels)**
See the "Theater and Dance" section of this catalog for discipline area requirements.

**Earth Sciences (Teacher of Earth Science 5-8 or 8-12)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EASC 100 Physical Geology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 101 Historical Geology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 250 Geomorphology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 301 Solar System Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>EASC 305 Physical Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>EASC 360 Petrology</td>
<td>4</td>
</tr>
<tr>
<td>EASC 372 Mineralogy</td>
<td>4</td>
</tr>
<tr>
<td>EASC 496 Seminar in Geology</td>
<td>1</td>
</tr>
<tr>
<td>GEOG 221 Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>Plus nine additional semester hours of approved earth sciences electives</td>
<td>9</td>
</tr>
</tbody>
</table>

Cognate courses:

- MATH 151-152 Calculus I-II .................................................. 3
- MATH 141-142 Elements of Calculus I-II
- CHEM 131-132 Survey of Chemistry I-II ..................................... 7
- CHEM 141-142 Chemical Principles I-II
- One year of physics or biology ................................................. 8

Total minimum credits: 57

**English (Teacher of English 5-8 or 8-12)**
See the "English" section of this catalog for discipline area requirements.

**History (Teacher of History 5-8 or 8-12)**
See the "History" section of this catalog for discipline area requirements.

**Mathematics (Teacher of Mathematics 5-8 or 8-12)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 101 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>COMP 203 Programming and Computer Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130 Discrete Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 151-152 Calculus I-II</td>
<td>6</td>
</tr>
<tr>
<td>MATH 202 Linear Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 251 Calculus III</td>
<td></td>
</tr>
<tr>
<td>MATH 301 Abstract Algebra I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 354 Introduction to Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 325 Foundations of Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 401 Introduction to Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 403 Probability Theory</td>
<td></td>
</tr>
<tr>
<td>MATH 408 History of Mathematics</td>
<td></td>
</tr>
</tbody>
</table>
| One elective from any 300-400 level courses except MATH 318 .............................................. 3

Cognate courses:

- PHYS 243-244 General Physics I-II .......... 8

Total minimum credits: 48

**Music (Teacher of Music – all levels)**
See the "Music" section of this catalog for discipline area requirements.

**Physics (Teacher of Physics 5-8 or 8-12)**
Requirements: Completion of the Secondary Education Minor, the BA or BS in Physics, and PHYS 107 Exploring the Universe
See the "Physics" section of this catalog for BA or BS in Physics requirements.

**Theater (Teacher of Theater – all levels)**
See the "Theater and Dance" section of this catalog for discipline area requirements.

**Visual Art (Teacher of Visual Art PreK-8 or 5-12)**
See the "Art" section of this catalog for discipline area requirements.

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**GRADUATE PROGRAMS**

The Department of Secondary Education and Professional Programs offers several programs designed to meet the needs of graduate students.

An Accelerated Postbaccalaureate licensure program (APB) leading to initial licensure in designated high school (8-12), middle school (5-8), and PreK-12 special subject areas is offered.

A Master of Arts in Teaching (MAT) degree program, in conjunction with several of the arts and sciences departments of the college, designed for secondary school teachers who have an initial license and are seeking a professional license is offered.

In addition, the department offers the degree of Master of Education (MEd) in educational leadership and instructional technology.

A Certificate of Advanced Graduate Study (CAGS) in Education with a focus on educational leadership is offered. (In addition,
Secondary Education and Professional Programs

Bridgewater State College CAGS graduates who apply to and are accepted into a collaborative doctoral program in educational leadership at the University of Massachusetts-Lowell may apply up to 12 CAGS credits toward the 48 credits required for the degree.

**ACCELERATED POSTBACCALAUREATE PROGRAM (APB): INITIAL LICENSURE FOR HIGH SCHOOL (SUBJECT AREAS: 8-12), MIDDLE SCHOOL (SUBJECT AREAS: 5-8) TEACHERS AND PREK-12 SPECIALISTS**

Graduate Program Coordinator: Professor Thomas Brady

The Accelerated Postbaccalaureate Program (APB) is a rigorous, accelerated graduate level program of study (15 credits) that leads to initial teacher licensure. Recognizing the unique strengths of nontraditional licensure candidates, the APB program is designed for individuals who are committed to becoming outstanding teachers.

The APB program is designed for persons who have a bachelor's degree and are seeking initial licensure in one of the following fields:
- Teacher of Biology (5-8)
- Teacher of Biology (8-12)
- Teacher of Chemistry (5-8)
- Teacher of Chemistry (8-12)
- Teacher of Dance (all levels)
- Teacher of Earth Science (5-8)
- Teacher of Earth Science (8-12)
- Teacher of English (5-8)
- Teacher of English (8-12)
- Teacher of History (5-8)
- Teacher of History (8-12)
- Teacher of Mathematics (5-8)
- Teacher of Mathematics (8-12)
- Teacher of Music (all levels)
- Teacher of Physics (5-8)
- Teacher of Physics (8-12)
- Teacher of Theater (all levels)
- Teacher of Visual Art (PreK-8)
- Teacher of Visual Art (5-12)

**APB Admission Criteria**

Candidates for the APB program will be admitted by the graduate admission office based upon the recommendation of the APB Coordinator. The coordinator will base the admissions recommendations on the candidate's potential to be an effective teacher based on multiple indicators including, but not limited to, the following:
- An undergraduate degree with a minimum GPA of 2.8

- Content competence demonstrated by:
  - A passing score on the subject matter test of the Massachusetts Tests for Educator Licensure® (MTEL).

Note: Candidates who are applying for a license in a field in which they did not major are subject to a review of their course background in the license area. Additional content courses may be required.

- Literacy, communication and academic competence as demonstrated by a passing score on the communication and literacy MTEL®
- Experience with youth at the licensure level

Evidence to be submitted by the program candidate includes:
- Completed application
- Statement of desire to be a teacher
- Résumé
- Transcripts
- MTEL® scores
- GRE scores (optional)
- Descriptions of appropriate life experiences
- Official transcripts of all undergraduate and graduate course work

For APB application material and information, contact the Graduate Admissions Office.

**APB Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDHM 550 Middle and High School Education: Theory into Practice Course includes 40 hours of fieldwork</td>
<td>3</td>
</tr>
<tr>
<td>EDHM 552 Curriculum and Instruction in Middle and High School Mathematics and Science</td>
<td>3</td>
</tr>
<tr>
<td>or EDHM 553 Curriculum and Instruction in the Middle and High School Arts and Humanities (Course includes 40 hours of fieldwork)</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: History candidates in the APB program must also complete MSED 450 or HSED 412 after successful completion of EDHM 550 and EDHM 553 (3 credits) EDHM 554 Student Teaching Practicum | 6       |
| or EDHM 556 Employment-based Prepracticum EDHM 558 The Reflective Middle and High School Practitioner (Includes submission of a completed competence portfolio) | 3       |

**Total minimum credits: 15**

Note: As an alternative to the APB program, the Department of Secondary Education and Professional Programs will allow accepted postbaccalaureate students to follow the undergraduate course sequence listed earlier in this departmental section of the catalog under the heading of Secondary Education Minor. The cognates, SPED 203 and PSYC 227 are not a requirement. Contact the program coordinator for details and the School of Graduate Studies for application information.

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SCHOOL OF EDUCATION AND ALLIED STUDIES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Secondary Education and Professional Programs

**Master of Arts in Teaching**
The Master of Arts in Teaching degree was developed for high school and middle school subject area teachers who have an initial license and are seeking a professional license in the Commonwealth of Massachusetts. The MAT program is designed to meet the “appropriate master’s degree” requirement, which is part of the criteria for professional stage licensure, as set forth in the most recent DOE licensure regulations. This degree program will also appeal to secondary school teachers who already hold a standard level or professional license and want to acquire additional knowledge and a master’s degree in the discipline.

Applicants not holding a bachelor’s degree in the content area being pursued for the MAT are subject to a transcript review to determine whether additional content course work will be required as program prerequisites.

MATs are available in the following areas:
- Biology
- Creative Arts
- English
- History
- Mathematics
- Music Education
- Physical Science
- Physics

Students should consult the “School of Graduate Studies” section of the catalog for information regarding graduate program procedures.

**Admission requirements:**
1.) A minimum GPA of 2.75 based upon four years of course work or a 3.0 undergraduate GPA based upon course work completed during the junior and senior years
2.) A composite score of 900 on the quantitative and verbal parts of the GRE General Test
3.) An initial teaching license and teaching experience
4.) Three appropriate letters of recommendation
5.) Official transcripts of all undergraduate and graduate course work

**Program Requirement**

**Master’s Core Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530</td>
<td>The Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 531</td>
<td>The Standards-Based Classroom: Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 532</td>
<td>The Teacher as Leader: From Issues to Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 533</td>
<td>The Standards-Based Classroom: Instruction and Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>EDMC 538</td>
<td>The Professional Teacher (final program course)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentration Electives**
A minimum of 18 approved graduate credits in the academic area of concentration, which meet the academic and professional objectives of the student. For details, please refer to the appropriate academic department section of this catalog. 18

Successful completion of a comprehensive examination is also required.

Total minimum credits: 33

**Educational Leadership Graduate Program**

Graduate Program Coordinator: Dr. Lynne Yeamans

**LEAD: Leading Educators Through Administrative Development**
The LEAD program will accommodate people of varied backgrounds, prior experience and abilities who are interested in becoming school administrators. The program incorporates a team approach to prior learning assessment and administration preparation, a flexible continuum of learning experiences and an induction and mentoring program to support and retain administrators.

The LEAD program is an accelerated initial licensure program designed to prepare students for the following professions:
- Supervisor/Director (all levels)
- Administrator of Special Education (all levels)
- School Business Administrator (all levels)
- School Principal/Assistant Principal (PreK-6)
- School Principal/Assistant Principal (5-8)
- School Principal/Assistant Principal (9-12)
- Superintendent/Assistant Superintendent (all levels)

**Admission Requirements**
- Bachelor’s degree from an accredited institution with a minimum GPA of 2.8
- Letter of intent articulating participant’s philosophy of educational leadership in times of change
- 3 letters of recommendation
- Official copies of all undergraduate and graduate transcripts
- Initial licensure in other area dependent upon administrative licensure sought (exceptions are granted on a case by case basis as approved by the Massachusetts Department of Education)
- Passing score on the Communication and Literacy Massachusetts Tests for Educator Licensure® (MTEL). NOTE: Conditional acceptance into the program may be granted without the MTEL® score. However, full admission will only be granted if the passing score is submitted by the conclusion of the second semester in the program.
Secondary Education and Professional Programs

LEAD – POSTBACCALAUREATE PROGRAM IN EDUCATIONAL LEADERSHIP  CREDITS
EDLE 509 Seminar for Future Leaders .............................................. 3
EDLE 511 Educational Leadership and Managerial Effectiveness ....................... 3
EDLE 564 Selection and Development of Educational Personnel .................. 3
EDLE 565 School Finance and Business Administration .......................... 3
EDLE 569 Legal Aspects of School Administration .................................. 3

Choose one course from one of the following groups, dependent on licensure sought: ........................................................................ 3

A. Principal/Assistant Principal
   EDLE 561 Elementary School Administration
   EDLE 562 High School Administration
   EDLE 563 Middle School Administration
B. Superintendent/Assistant Superintendent
   EDLE 591 Seminar in Administration; Superintendency
C. Special Education Administrator
   SPED 512 Organization and Administration of Special Education
D. School Business Manager
   POLI 521 Public Finance
   or
   POLI 592 Special Topics in Public Administration
E. Supervisor/Director
   EDMC 531 Standards-based Classroom: Curriculum

A 6 credit practicum from below is required: ........................................... 6
   EDLE 580 Practicum in Administration of Special Education
   EDLE 582 Practicum in School Business Administration
   EDLE 583 Practicum in Supervisorship/Directorship
   EDLE 584 Practicum in Elementary School Principalship
   EDLE 585 Practicum in Middle School Principalship
   EDLE 586 Practicum in High School Principalship
   EDLE 587 Practicum in Superintendency/Assistant Superintendency

The portfolio review in EDLE 509 will include training in the development of an electronic portfolio which is an exit requirement for the student’s program.

Total minimum credits: 24

LEAD – POSTMASTER’S PROGRAM IN EDUCATIONAL LEADERSHIP  CREDITS
EDLE 509 Seminar for Future Leaders .............................................. 3
EDLE 664 The Personnel Function of Public Schools .................................. 3
EDLE 665 Fiscal Aspects of School Administration ........................................ 3
EDLE 669 Concepts and Cases in School Law ........................................... 3
EDLE 677 Systems Planning for Educational Leaders ................................... 3

Choose one course from one of the following groups, dependent on licensure sought: ........................................................................ 3

A. Principal/Assistant Principal:
   EDLE 661 Effective School Leadership for Elementary Schools
   EDLE 662 Effective School Leadership for Middle Schools
   EDLE 663 Effective School Leadership for High Schools
B. Superintendent/Assistant Superintendent
   EDLE 691 The School Superintendency
C. Special Education Administrator
   SPED 512 Organization and Administration of Special Education
D. School Business Manager
   POLI 521 Public Finance
   or
   POLI 592 Special Topics in Public Administration
E. Supervisor/Director
   EDMC 531 Standards-based Classroom: Curriculum

A 6 credit practicum from below is required: ........................................... 6
   EDLE 679 Practicum in School Business
   EDLE 680 Practicum in Administration of Special Education
   EDLE 683 Practicum in Supervisorship/Directorship
   EDLE 684 Practicum in Elementary School Principalship
   EDLE 685 Practicum in Middle School Principalship
   EDLE 686 Practicum in High School Principalship
   EDLE 687 Practicum in Superintendency/Assistant Superintendency
   EDLE 688 Practicum in Directorship of Guidance
   EDLE 689 Practicum in Directorship of Pupil Personnel Services

The Portfolio review in EDLE 509 will include training in the development of an electronic portfolio which is an exit requirement for the student's program.

Total minimum credits: 24

Courses in the LEAD program can be transferred into the master’s degree or CAGS program in Educational Leadership.

MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP

The Master of Education in Educational Leadership program (MEd) is designed to prepare students for the following positions in school administration:

Supervisor/Director (all levels)
Administrator of Special Education (all levels)
School Business Administrator (all levels)
School Principal/Assistant Principal (PreK-6)
School Principal/Assistant Principal (5-8)
School Principal/Assistant Principal (9-12)
Superintendent/Assistant Superintendent (all levels)

These programs have been approved for licensure purposes by the Massachusetts Department of Education. This includes licensure reciprocity with signatory states under the Interstate Certification Compact.

SCHOOL OF EDUCATION AND ALLIED STUDIES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Secondary Education and Professional Programs

Where required, candidates who possess an appropriate professional license and who have had three year's employment under that license will be eligible for administrator licensure at the completion of this program. Documentation of this must be on file with the Office of School of Graduate Studies.

Upon completion of their program option, students seeking Massachusetts licensure must possess an appropriate Massachusetts initial license and have had three years of employment in the role covered by that license except where not required by licensure regulations.

A minimum of 36 approved graduate credits is required in this degree program. It should be understood that those who anticipate preparing for some of the above positions, such as a superintendent, should plan to do graduate work beyond the minimum.

Applicants are required to submit a qualifying score on the Communications and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).

Students may choose one of the following program options:
1) supervisor/director (various levels),
2) administrator of special education (all levels),
3) school business administrator (all levels),
4) school principal/assistant principal (PreK-6), school principal/assistant principal (5-8), school principal/assistant principal (9-12)
5) superintendent/assistant superintendent (all levels).

As part of their chosen program option, students must satisfactorily complete the following curriculum:

**Admission Requirements**

1) A 2.75 GPA based upon four years of work or a 3.0 undergraduate GPA based upon work completed during the junior and senior years
2) Licensure track – A qualifying score on the Communications and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL) Non-licensure track – A composite score of 900 on the quantitative and verbal parts of the GRE general test or a qualifying score on the Communications and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL)
3) Three appropriate letters of recommendation

**Initial License**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDLE 510 Seminar on Educational Leadership for the Future (prior to admission)</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 511 Educational Leadership and Managerial Effectiveness</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 530 Research Applications for School Leaders</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 564 Selection and Development of Educational Personnel</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 565 School Finance and Business Administration</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 567 Human Concerns in the Schools</td>
<td>3</td>
</tr>
<tr>
<td>or EDLE 579 Diversity Issues for School Leaders</td>
<td></td>
</tr>
<tr>
<td>EDLE 569 Legal Aspects of School Administration</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 572 Technology for School Administrators</td>
<td>3</td>
</tr>
<tr>
<td>EDLE 578 Curriculum Improvement</td>
<td></td>
</tr>
</tbody>
</table>

**Practicum (one of the following courses):**

- EDLE 580 Practicum In Administration of Special Education
- EDLE 582 Practicum In School Business Administration
- EDLE 583 Practicum In Supervisors/Directorship
- EDLE 584 Practicum In Elementary School Principalship
- EDLE 585 Practicum In Middle School Principalship
- EDLE 586 Practicum In High School Principalship
- EDLE 587 Practicum In Superintendency/Assistant Superintendency

School business administrator candidates only:

- ACFI 510 Accounting for School Business Managers
- ACFI 511 Principles of Finance for School Business Administration

Principal/Assistant Principal candidates only choose one of the following:

- EDLE 561 Elementary School Administration (degree requirement for school principal/assistant principal (PreK-6) program option)
- EDLE 562 High School Administration (degree requirement for school principal/assistant principal (9-12) program option)
- EDLE 563 Middle School Administration (degree requirement for school principal/assistant principal (5-8) program option)

Supervisor/Director candidates only:

- EDMC 531 The Standards-based Classroom: Curriculum

Superintendent/assistant superintendent option only:

- EDLE 591 Seminar In School Administration: The Superintendency

Upon completion of their program option, students seeking Massachusetts licensure must possess an appropriate initial license and have had three years of employment in the role covered by that license. This must be documented in order to become licensed.

MEd comprehensive examinations are given to and/or digital portfolios are submitted by the committee during the months of November and March only. Students should consult the college calendar in this catalog for examination request deadlines. Total minimum credits: 36

For additional information relative to this program, students not yet accepted should consult with the coordinator of the program.
Secondary Education and Professional Programs

Certificate of Advanced Graduate Study (CAGS) – Educational Leadership

Graduate students who hold a master's degree in a field of education and who are seeking further study in educational leadership may pursue the Certificate of Advanced Graduate Study (CAGS) program. This program is designed to enable the student to:

1. Take educational initiatives by encouraging innovation, planning and implementing strategic change and having the self-confidence to be a risk-taker
2. Analyze and prioritize problems by acquiring and interpreting key information and by resisting premature judgments
3. Build and maintain teams for continuous improvement of teaching and learning by communicating expectations and by developing and empowering others
4. Expand learning opportunities for all constituencies by having and advocating a need to be a life-long learner

Program Description

The CAGS in Educational Leadership is a cohort, weekend program through which students earn 34 credits beyond the master's and may meet state certification requirements for educational leaders through a college-sponsored internship.

In the cohort model, a group of 18-24 students begin the program together and move through it as a group. Class sessions are planned for Friday evening and all day Saturday. Classes are held on six weekends in the fall and spring semesters. Summer courses for the CAGS program are offered on a flexible schedule.

Students who complete the CAGS program and wish to pursue a doctoral degree receive an additional benefit. Bridgewater State College graduates who apply to and are accepted into the doctoral program in educational leadership at UMass-Lowell may apply 12 of the credits earned toward the 48 credits required as part of the doctorate degree.

Admission Standards and Criteria

Entrance to the program will be determined based upon the following:

1.) Master's degree from an accredited college or university (official transcript required)
2.) Three letters of recommendation (one from immediate supervisor)
3.) Completed application form
4.) Academic certification through Massachusetts Department of Education
5.) Qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL)

Program of Study

The initial courses in this program are designed in part to start students working on their leadership projects – introduction to CAGS, research issues for school administration, and systems planning. The remaining courses are designed to provide a sound knowledge base for practitioners and meet state licensure requirements.

1. Content Courses:
   EDLE 661 Effective School Leadership for Elementary Schools .................................................. 3
   or EDLE 662 Effective School Leadership for Middle Schools
   or EDLE 663 Effective School Leadership for High Schools
   EDLE 664 The Personnel Function of Public Schools .................. 3
   EDLE 665 Fiscal Aspects of School Administration .................. 3
   EDLE 667 Communication Between and Among School Stakeholders ............................................. 3
   EDLE 669 Concepts and Cases in School Law .................. 3
   EDLE 670 Certificate of Advanced Graduate Study (CAGS) Seminar ............................................. 3
   EDLE 672 Technology for Administrators .................. 3
   EDLE 675 Research Issues in School Administration .................. 3
   EDLE 677 Systems Planning for Educational Leaders .................. 3
   EDLE 678 Curriculum Development and Program Management ............................................. 3
   EDLE 681 CAGS Extern ............................................. 3
   EDLE 682 CAGS Extern II ............................................. 1
   EDLE 691 The School Superintendency ............................................. 3

2. Practicum (one practicum from below): 3-6
   EDLE 603 Directed Study in School Administration
   EDLE 680 Practicum in Administration of Special Education
   EDLE 683 Practicum in Supervisorship/ Directorship
   EDLE 684 Practicum in Elementary School Principalship
   EDLE 685 Practicum in Middle School Principalship
   EDLE 686 Practicum in High School Principalship
   EDLE 687 Practicum in Superintendent/Assistant Superintendent
   EDLE 688 Practicum in Directorship of Guidance
   EDLE 689 Practicum in Directorship of Pupil Personnel Services

An oral defense of the CAGS leadership project is required.

Total minimum credits: 40

Library Media Graduate Program

This program is inactive.
INSTRUCTIONAL TECHNOLOGY GRADUATE PROGRAM

Graduate Program Coordinator: Dr. Thanh Nguyen

MASTER OF EDUCATION IN INSTRUCTIONAL TECHNOLOGY

This graduate program offers the degree of Master of Education in Instructional Technology. The program prepares leaders in teaching with current technology, both in PreK-12 schools and in adult learning settings. The program combines technical skills and knowledge with current teaching and learning theory and aims to develop understanding of the dynamic relationship between technology and the organization into which it is introduced. The 30-credit MEd program is available predominantly online.

Instructional Technology Teacher Licensure

The Instructional Technology program is designed to lead to Massachusetts Department of Education Instructional Technology initial teacher licensure. Upon admission to the program, students must indicate whether or not they intend to pursue this license. Students planning to apply for an instructional technology teacher license as an initial teaching license will need to achieve a qualifying score on the communication and literacy skills portion of the Massachusetts Tests for Educator Licensure® (MTEL). In addition, all candidates for licensure will be required to complete the instructional technology subject test, pending implementation by the Department of Education.

Admission Requirements

1) A minimum GPA of 2.8 based upon four years of course work or a 3.0 undergraduate GPA based upon course work completed during the junior and senior years
2) Initial licensure track—A qualifying score on the Communications and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL) Non-Licensure track—A composite score of 900 on the quantitative and verbal parts of the GRE general test or a qualifying score on the Communications and literacy skills portion of the Massachusetts Test for Educator Licensure® (MTEL)
3) Three appropriate letters of recommendation
4) Official transcripts of all undergraduate and graduate course work

Program Requirements

Successful completion of the MEd in Instructional Technology requires that the candidate complete a 30-credit program of study. Students must complete a clinical experience, which includes a 150-clock-hour internship in a professional setting. Students seeking a Massachusetts initial instructional technology license must complete two 150-clock-hour practica in any two of the following levels: PreK-6, 5-8, 8-12. The clinical research project is required for the master’s degree. In order to become eligible for the Master of Education In Instructional Technology, each student is required to pass a comprehensive examination based on program course work and the clinical research project.

Required courses and recommended sequence

The following courses are required of all students (both initial licensure and non-licensure) pursuing an MEd in Instructional Technology:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 The Teacher as Research</td>
<td>3</td>
</tr>
<tr>
<td>INST 509 Foundations of Instructional Technology</td>
<td>3</td>
</tr>
<tr>
<td>INST 522 Instructional Design</td>
<td>3</td>
</tr>
<tr>
<td>INST 523 Information Access and the Internet</td>
<td>3</td>
</tr>
<tr>
<td>INST 524 Technology Leadership</td>
<td>3</td>
</tr>
<tr>
<td>INST 525 Emergent Technology and Learning Environments</td>
<td>3</td>
</tr>
<tr>
<td>INST 526 Making Connections: Networking</td>
<td>3</td>
</tr>
<tr>
<td>INST 590 Seminar in Instructional Technology: Research and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>INST 596 Clinical Experience</td>
<td>3-6</td>
</tr>
<tr>
<td>Elective (3 credits) (if needed)</td>
<td></td>
</tr>
</tbody>
</table>

Total minimum credits: 30

POSTMASTER’S LICENSURE IN INSTRUCTIONAL TECHNOLOGY

This program is inactive.
Special Education and Communication Disorders

UNDERGRADUATE PROGRAMS

BACHELOR OF SCIENCE IN EDUCATION
SPECIAL EDUCATION
The Department of Special Education and Communication Disorder offers undergraduate programs designed for students interested in obtaining Massachusetts initial licensure as a Teacher of Students with Disabilities and a program in preprofessional studies in communication disorders.

MAJORS IN SPECIAL EDUCATION
The programs have been designed in accordance with Massachusetts Department of Education standards and include license reciprocity with signatory states under the Interstate Certification Compact. Programs meet standards of the Council for Exceptional Children (CEC). The School of Education and Allied Studies is accredited by the National Council for the Accreditation of Teacher Education (NCATE).

BSE IN SPECIAL EDUCATION-TEACHER OF STUDENTS WITH MODERATE DISABILITIES (PREK-8 OR 5-12)

Admission Requirements
1) Candidates are enrolled in two majors, Special Education and an Arts and Sciences major.
2) Candidates must meet School of Education and Allied Studies Professional Education Program admission requirements that include, but are not limited to, passage of the Communication and Literacy portion of the Massachusetts Tests for Educator Licensure® (MTEL) and an undergraduate GPA of 2.8 (with C+ or better in ENGL 101 and ENGL 102) prior to enrolling in SPED 300 or 400 level course work.

Program Requirements
1) In consultation with advisers, undertake appropriate course work and activities.
2) Candidates must complete appropriate Core Curriculum and Arts and Sciences requirements.
3) A.) PreK-8 candidates must, prior to the student teaching experience,
   1. complete an appropriate psychology course (either PSYC 224 or 227 or equivalent)
   2. have passed the General Curriculum MTEL®
B.) 5-12 candidates must, prior to the student teaching experience,
   1. complete an appropriate psychology course (PSYC 227 or equivalent

DEGREE PROGRAMS
• BSE in Special Education (Teacher of Students with Moderate Disabilities PreK-8 or 5-12)
• BSE in Special Education (Teacher of Students with Severe Disabilities - all levels)
• BSE in Special Education Concentration: Communication Disorders
• BSE in Elementary Education/MEd in Special Education (Teacher of Students with Moderate Disabilities PreK-8) 5-year Dual License program
• MEd in Special Education (Initial Licensure, Teacher of Students with Moderate Disabilities PreK-8 or 5-12)
• MEd in Special Education (Partial Fulfillment of Professional Licensure, Teacher of Students with Moderate Disabilities PreK-8 or 5-12)
• MEd in Special Education (Initial Licensure, Teacher of Students with Severe Disabilities, all levels)
• MEd in Special Education (Non-licensure)

POSTBACCALAUREATE LICENSURE PROGRAMS
• Special Education (Teacher of Students with Moderate Disabilities PreK-8 or 5-12)
• Special Education (Teacher of Students with Severe Disabilities-all levels)

UNDERGRADUATE MINORS
• Special Education
• Communication Disorders

SCHOOL OF EDUCATION AND ALLIED STUDIES
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
2. have either passed a subject content MTEL® or the General Curriculum MTEL®

4) Candidates will also be required to pass the Foundations of Reading MTEL® prior to licensure

Cognate Requirements
PreK-8 candidates must complete:
PSYC 224 Child Psychology .................................................. 3
or
PSYC 227 Development Through the Life Cycle or equivalent

5-12 candidates must complete:
PSYC 227 Development Through the Life Cycle or equivalent .................................................. 3

Licensure Requirements
*SPED 202 Introduction to Special Education ..................... 3
SPED 203 Cultural Diversity Issues in Schools and Society ...3
SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner .......... 3
SPED 303 Principles and Procedures of Assessment of Special Needs Learners ..................... 3
SPED 402 Children with Reading Disability: Diagnosis and Teaching Strategies .................. 3
SPED 403 Curriculum Development and Implementation for Special Needs Learners .................. 3
SPED 431 Student Teaching Practicum
Moderate Disabilities (PreK-8) ............................................. 6 or 12
or
SPED 432 Student Teaching Moderate Disabilities (5-12)
Total minimum credits: 27

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation with an undergraduate degree. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

BSE IN SPECIAL EDUCATION (TEACHER OF STUDENTS WITH SEVERE DISABILITIES — ALL LEVELS)

Admission Requirements
1.) Candidates are enrolled in two majors, Special Education and an Arts and Sciences major.
2.) Candidates must meet School of Education and Allied Studies Professional Education Program admission requirements that include, but are not limited to, passage of the Communication and Literacy portion of the Massachusetts Tests for Educator Licensure® (MTEL) and an undergraduate GPA of 2.8 (with C+ or better in ENGL 101 and ENGL 102) prior to enrolling in SPED 300 or 400 level course work.

Program Requirements
1.) In consultation with advisers, undertake appropriate course work and activities.
2.) Candidates must complete appropriate Core Curriculum and Arts and Sciences requirements.
3.) Candidates must submit evidence that they have passed the General Curriculum MTEL® prior to the student teaching experience.

Licensure Requirements
*SPED 202 Introduction to Special Education ..................... 3
SPED 203 Cultural Diversity Issues in Schools and Society ...3
COMD 290 Language Acquisition and Development .......... 3
SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner .......... 3
SPED 303 Principles and Procedures of Assessment of Special Needs Learners ..................... 3
SPED 402 Children with Reading Disability: Diagnosis and Teaching Strategies .................. 3
SPED 410 Instructional and Curricular Strategies for Learners with Intensive Special Needs I ............. 3
SPED 411 Instructional and Curricular Strategies for Learners with Intensive Special Needs II .......... 3
SPED 433 Student Teaching — Severe Disabilities ...... 6 or 12
Total minimum credits: 30

*To be completed prior to admission to Professional Education and enrollment in upper division education courses.

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation with an undergraduate degree. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

BSE ELEMENTARY EDUCATION/MED SPECIAL EDUCATION (TEACHER OF STUDENTS WITH MODERATE DISABILITIES PREK-8) DUAL LICENSURE 5-YEAR PROGRAM
The Dual License Program is a joint program between the Department of Elementary and Early Childhood Education and the Department of Special Education and Communication Disorders.

The Dual License Program is a 5-year program that leads to both a BSE in Elementary Education with Initial License in Elementary Education and an MEd in Special Education with endorsement for Initial License as a Teacher of Students with Moderate Disabilities (PreK-8).
Special Education and Communication Disorders

The purpose of the program is to develop special education teachers who have an in-depth understanding of special education and the elementary school classroom.

Undergraduate Program Requirements:
- Students must complete a Liberal Arts or Sciences major

Cognate Requirements
The following courses are required to complete the BS: Elementary Education/M Ed Special Education Dual Licensure 5-Year Program:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 254 Literature for Elementary Education Majors</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 151 Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131 World History to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 221 United States History and Constitutions to 1865</td>
<td>3</td>
</tr>
<tr>
<td>MATH 107 Principles of Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>POLI 172 Introduction to American Government</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 224 Child Psychology</td>
<td>3</td>
</tr>
<tr>
<td>or PSYC 227 Development through the Life Cycle</td>
<td></td>
</tr>
</tbody>
</table>

Note: Some of the required courses listed above also fulfill certain Core Curriculum Requirements

- Additional undergraduate program requirements:
  - SPED 202 Introduction to Special Education | 3 |
  - ELED 310 Teaching Science and Social Studies in the Elementary School | 3 |
  - ELED 330 Teaching Reading in the Elementary School | 3 |
  - ELED 340 Teaching Language Arts in the Elementary School | 3 |
  - ELED 350 Teaching Mathematics in the Elementary School | 3 |
  - ELED 360 Teaching in a Standards-based Inclusive Elementary Classroom | 3 |
  - or SPED 217 Meeting the Needs of all Learners | |
  - ELED 492 Supervised Teaching in Public Schools: Elementary | 6-12 |
  - SPED 404 Student Teaching Practicum: Inclusion Program (PreK-8) | 6 |

*To be completed prior to admission to Professional Education and enrollment in upper division education courses.

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation with an undergraduate degree. These earned hours include Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog. For additional graduation requirements, see the "Undergraduate Academic Policies" section of this catalog.

Graduate Program Requirements
- Students must complete the following courses:
  - EDMC 530 The Teacher as Researcher | 3 |
  - SPED 504 Applied Curriculum Development for Learners with Special Needs: PreK-8 | 3 |
  - SPED 517 Language Skills for Special Needs Learners | 3 |
  - SPED 518 Reading Strategies in Special Education | 3 |
  - SPED 530 Assessment Procedures in Special Education | 3 |
  - SPED 550 Seminar in Special Education | 3 |
  - SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction | 3 |
  - SPED 575 Behavior Interventions in Special Education | 3 |
  - SPED 594 Practicum: Moderate Disabilities (PreK-8) | 6 or 12 |

Total minimum credits: 81

MINOR IN SPECIAL EDUCATION
1. Students who wish to minor in special education must complete a "Change/Declaration of Minor" card through the Academic Achievement Center.
2. Students interested in a minor should contact the Chairperson of the Department of Special Education and Communication Disorders to develop a program plan.
3. Candidates for the Special Education Minor must meet School of Education and Allied Studies Professional Program admission requirements prior to enrolling in SPED 300 or 400 level courses. Candidates will have a major in the liberal arts area and a minor in Special Education.

Required course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 202 Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 203 Cultural Diversity Issues in School and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 211 Early Childhood Learner with Special Needs</td>
<td>12</td>
</tr>
<tr>
<td>SPED 217 Meeting the Needs of all Learners</td>
<td></td>
</tr>
<tr>
<td>SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner</td>
<td></td>
</tr>
<tr>
<td>SPED 303 Principles and Procedures of Assessment of Special Needs Learners</td>
<td></td>
</tr>
<tr>
<td>SPED 402 Children with Reading Disability: Diagnosis and Teaching Strategies</td>
<td></td>
</tr>
<tr>
<td>SPED 460 Topics in Special Education (may not be repeated for credit toward the minor)</td>
<td></td>
</tr>
<tr>
<td>SPED 499 Directed Study in Special Education (may be repeated up to a maximum of 3 credits toward the minor)</td>
<td></td>
</tr>
</tbody>
</table>

Total minimum credits: 18

COMMUNICATION DISORDERS

Program Coordinator: Dr. Sandra Ciocci

The department offers a preprofessional program in communication disorders for students interested in preparation for graduate study in speech-language pathology and/or audiology.

Specific information is available from the Department of Special Education and Communication Disorders. Contact Dr. Sandra Ciocci at 508.531.2628 or sciocci@bridgew.edu.

SCHOOL OF EDUCATION AND ALLIED STUDIES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
CONCENTRATION IN COMMUNICATION DISORDERS
The minimum requirements for the communication disorders concentration include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 203 Cultural Diversity Issues in School and Society</td>
<td>3</td>
</tr>
<tr>
<td>COMD 220 Introduction to Communication Sciences and Disorders</td>
<td>3</td>
</tr>
<tr>
<td>COMD 281 Speech Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>COMD 282 Speech and Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>COMD 290 Language Acquisition and Development</td>
<td>3</td>
</tr>
<tr>
<td>COMD 294 Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>COMD 312 Language Disorders in Children</td>
<td>3</td>
</tr>
<tr>
<td>COMD 313 Phonology and Articulation Disorders</td>
<td>3</td>
</tr>
<tr>
<td>COMD 351 Introduction to Audiology</td>
<td>3</td>
</tr>
<tr>
<td>COMD 393 Aural Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>COMD 480 Clinical Procedures: An Overview</td>
<td>3</td>
</tr>
</tbody>
</table>

One elective chosen from:

**COMD 325 Voice Disorders in Children and Adults** 3

or

**COMD 352 Clinical Audiology** 3

Required Cognates

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 227 Development Through the Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 323 Introduction to Linguistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Once a student declares communication disorders as a concentration, he or she will be screened for adequate speech and language patterns to assure appropriate modeling of speech by therapists. Appropriate recommendations will be made for improvement, which the student will be required to follow if he or she wishes to pursue a practicum program sequence.

Total minimum credits: 42

Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum Requirements as specified in the “Undergraduate Academic Programs” section of this catalog. For additional graduation requirements, see the “Undergraduate Academic Policies” section of this catalog.

MINOR IN COMMUNICATION DISORDERS

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMD 220 Introduction to Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>COMD 281 Speech Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>COMD 282 Speech and Hearing Science</td>
<td>3</td>
</tr>
<tr>
<td>COMD 290 Language Acquisition and Development</td>
<td>3</td>
</tr>
<tr>
<td>COMD 294 Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>COMD 351 Introduction to Audiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total minimum credits: 18

GRADUATE PROGRAMS

SPECIAL EDUCATION

Graduate Program Coordinator: Dr. Kenneth Dobush

At the graduate level the Department of Special Education and Communication Disorders offers several programs designed to meet the needs of graduate students. Contact Dr. Kenneth Dobush at 508.531.2270 or kdobush@bridgew.edu for specific information. An additional resource is located on Blackboard at www.bridgew.edu. Username and password: guestapp.

For information regarding graduate program application procedures and admission standards, students should consult the “School of Graduate Studies” section of this catalog.

Students seeking initial licensure should consult the section of this catalog entitled “School of Education and Allied Studies” for professional education admission and retention information and important institutional deadlines.

Candidates who have enrolled in appropriate course work prior to admission are limited in the number of credits (6) that can be applied to their degree. Therefore, candidates are urged to complete the application for graduate admissions as soon as possible. For details regarding transfer credit consult the “School of Graduate Studies” section of this catalog.

POSTBACCALAUREATE INITIAL LICENSURE PROGRAMS

- Teacher of Students with Moderate Disabilities (PreK-8 or 5-12)
- Teacher of Students with Severe Disabilities (all levels)

POSTBACCALAUREATE PROGRAM – TEACHER OF STUDENTS WITH MODERATE DISABILITIES (PREK-8, 5-12) (INITIAL LICENSURE)

Admission Requirements

1.) Candidates must meet all School of Graduate Studies requirements and have a minimum undergraduate GPA of 2.8

2.) Candidates must submit evidence of passing the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL)

3.) Official transcripts of all undergraduate and graduate course work
Program Requirements
In consultation with an adviser, undertake appropriate course work and activities including the following:

1.) Candidates must complete SPED 202 or SPED 510, or an equivalent introductory class in special education.

2.) A) PreK-8 Candidates must, prior to the student teaching experience:
   a. complete an appropriate psychology course (either PSYC 224 or 227 or equivalent)
   b. have passed the General Curriculum MTEL®
   c. complete SPED 402 Children with Reading Disabilities (or equivalent).

B) 5-12 Candidates must, prior to the student teaching experience:
   a. complete an appropriate psychology course (PSYC 227 or equivalent)
   b. have either passed a subject content MTEL® or the General Curriculum MTEL®
   c. complete SPED 402 Children with Reading Disabilities (or equivalent).

3.) Candidates will also be required to pass the Foundations of Reading MTEL® prior to licensure.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Cognate Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>PreK-8 candidates must complete:</td>
</tr>
<tr>
<td></td>
<td>PSYC 224 Child Psychology</td>
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<tr>
<td></td>
<td>or PSYC 227 Development Through the Life Cycle or equivalent</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Degree/Licensure Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GRPP 501 Graduate Program Planning</td>
</tr>
</tbody>
</table>

Licensure Requirements
SPED 508 Strategies for Diversity ................................................. 3
SPED 530 Assessment Procedures in Special Education ......................... 3
SPED 575 Behavioral Intervention in Special Education ........................ 3
SPED 504 Applied Curriculum Development for Learners with Special Needs (PreK-8) ............................................. 3
SPED 505 Applied Curriculum Development for Learners with Special Needs (5-12) ............................................. 3
SPED 594 Practicum: Moderate Disabilities (PreK-8) (6 credits) ............. 6
SPED 595 Practicum: Moderate Disabilities (5-12) (6 or 12 credits) ....... 6

Total minimum credits: 18

POSTBACCALAUREATE PROGRAM – TEACHER OF STUDENTS WITH SEVERE DISABILITIES (ALL LEVELS) (INITIAL LICENSURE)

Admission Requirements:
1.) Candidates must meet all School of Graduate Studies requirements and have a minimum undergraduate GPA of 2.8.
2.) Candidates must submit evidence that they have passed the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL).
3.) Official transcripts of all undergraduate and graduate course work

Program Requirements
In consultation with an adviser, undertake appropriate course work and activities including the following:

a.) Candidates must complete: SPED 202 or SPED 510 (or equivalent), an introductory class in special education.

b.) Candidates must complete SPED 402 Children with Reading Disabilities (or equivalent) prior to enrollment in SPED 524.

c.) Candidates must complete an appropriate developmental psychology course.

d.) Candidates must submit evidence that they have passed the General Curriculum MTEL® prior to the practicum experience.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Degree Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GRPP 501 Graduate Program Planning</td>
</tr>
</tbody>
</table>

Licensure Requirement
SPED 508 Strategies for Diversity ................................................. 3
SPED 517 Language Skills for Special Needs Learners .......................... 3
SPED 530 Assessment Procedures in Special Education .......................... 3
SPED 575 Behavioral Intervention in Special Education ........................ 3
SPED 524 Curriculum Development for Learners with Severe Disabilities I ......................................................... 3
SPED 525 Curriculum Development for Learners with Severe Disabilities II ......................................................... 3
SPED 593 Practicum: Severe Disabilities ............................................. 6 or 12
Total minimum credits: 25

MASTER OF EDUCATION IN SPECIAL EDUCATION
- MEd in Special Education (Initial Licensure, Teacher of Students with Moderate Disabilities, PreK-8 or 5-12)
- MEd in Special Education (Partial Fulfillment of Professional Licensure, Teacher of Students with Moderate Disabilities, PreK-8 or 5-12)

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Special Education and Communication Disorders

• MEd in Special Education (Dual Licensure BSE and MEd) Moderate Disabilities and Elementary Education
• MEd in Special Education (Initial Licensure, Teacher of Students with Severe Disabilities, all levels)
• MEd in Special Education (Non-licensure)

**Master of Education in Special Education Moderate Disabilities (PreK-8 or 5-12) (Initial Licensure)**

**Admission Requirements**
1) Candidates must meet all Graduate Admissions Office requirements and have a minimum undergraduate GPA of 2.8.  
2) Candidates must submit evidence that they have passed the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL).  
3) Official transcripts of all undergraduate and graduate course work

**Program Requirements**
1. Candidates must complete SPED 202 or SPED 510, or an equivalent introductory class in special education.  
2. A) **PreK-8 Candidates** must, prior to the student teaching experience,  
a. complete an appropriate psychology course (either PSYC 224 or PSYC 227 or equivalent)  
b. have passed the General Curriculum MTEL®  
c. complete SPED 402 Children with Reading Disabilities.  
B) **5-12 Candidates** must, prior to the student teaching experience,  
a. complete an appropriate psychology course (PSYC 227 or equivalent)  
b. have either passed a subject content MTEL® or the General Curriculum MTEL®  
c. complete SPED 402 Children with Reading Disabilities.  
3. All candidates are required to pass the Foundations of Reading MTEL® prior to licensure.

**Cognate Requirement** ................................................................. 3
PreK-8 candidates must complete:  
PSYC 224 Child Psychology  
or  
PSYC 227 Development Through the Life Cycle or equivalent

5-12 candidates must complete:  
PSYC 227 Development Through the Life Cycle or equivalent

**Degree Requirement**
GRPP 501 Graduate Program Planning ............................................. 1

**Licensure Requirements**
SPED 504 Applied Curriculum Development for Learners with Special Needs: PreK-8 ............................................. 3  
or  
SPED 505 Applied Curriculum Development for Learners with Special Needs: 5-12
SPED 508 Strategies for Diversity ..................................................... 3  
SPED 530 Assessment Procedures in Special Education ................. 3  
SPED 575 Behavioral Interventions in Special Education ................. 3  
SPED 594 Practicum: Moderate Disabilities (PreK-8) ................. 6 or 12  
or  
SPED 595 Practicum: Moderate Disabilities (5-12)

**Additional Degree Requirements**
EDMC 530 Teacher as Researcher ................................................. 3  
SPED 517 Language Skills for Special Needs Learners ................. 3  
SPED 518 Reading Strategies in Special Education ......................... 3  
SPED 560 Teaching Students with Special Needs Through Direct/Explicit Instruction ............................................. 3  
SPED 550 Seminar in Special Education ......................................... 3  
Total minimum credits: 34*

Degree requirements include a minimum of 34 approved graduate credits and the successful completion of the comprehensive examination.

*On a case by case basis an individual course may be waived to bring the minimum number of credits to 31.

**Master of Education in Special Education Severe Disabilities (All Levels) (Initial Licensure)**

**Admission Requirements**
1) Candidates must meet all graduate admissions office requirements and have a minimum undergraduate GPA of 2.8.  
2) Candidates must submit evidence that they have passed the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL).  
3) Official transcripts of all undergraduate and graduate course work.

**Program Requirements**
In consultation with an adviser, appropriate coursework and activities must include the following:
Special Education and Communication Disorders

1) Candidates must complete SPED 202 or SPED 510 or an equivalent introductory class in special education.
2) Candidates must complete SPED 402, Children with Reading Disabilities (or equivalent) prior to enrollment in SPED 524.
3) Candidates must have completed an appropriate Developmental Psychology course.
4) Candidates must submit evidence that they have passed the General Curriculum MTEL® prior to the Internship practicum experience.

Degree Requirement

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

License Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 508 Strategies for Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SPED 517 Language Skills Special Needs Learners</td>
<td>3</td>
</tr>
<tr>
<td>SPED 530 Assessment Procedures in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 575 Behavior Interventions in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 524 Curriculum Development for Learners with Severe Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 525 Curriculum Development for Learners with Severe Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>SPED 593 Practicum: Severe Disabilities</td>
<td>6 or 12</td>
</tr>
</tbody>
</table>

Additional degree requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMC 530 Teacher as Researcher</td>
<td>3</td>
</tr>
<tr>
<td>SPED 560 Teaching Students with Special Needs Through Direct/Explicit Instruction</td>
<td>3</td>
</tr>
<tr>
<td>SPED 550 Seminar in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>Total minimum credits: 34*</td>
<td></td>
</tr>
</tbody>
</table>

Degree requirement includes a minimum of 34 approved graduate credits and the successful completion of the comprehensive examination.

*On a case by case basis an individual course may be waived to bring the minimum number of credits to 31.

MASTER OF EDUCATION IN SPECIAL EDUCATION (NON-LICENURE)

This program is designed for students who wish to earn a master’s degree in special education. This program does not lead to licensure.

Admission Requirements

1) Candidates who have enrolled in appropriate course work prior to admission are limited in the number of credits (6) that can be applied to their degree. Therefore, candidates are urged to complete the application for graduate admissions as soon as possible. For details regarding transfer credit, consult the “School of Graduate Studies” section of this catalog.
2) All candidates must submit evidence that they have passed the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL) or have earned an acceptable score on the Graduate Record Examination as a criterion for admission.
3) Candidates must meet all Graduate Admissions Office requirements and have a minimum undergraduate GPA of 2.8.
4) Official transcripts of all undergraduate and graduate course work

Program Requirements

In consultation with an adviser, appropriate course work and activities must include the following:
Candidates must complete SPED 202 or SPED 510 or an equivalent introductory course in special education.

Degree Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPP 501 Graduate Program Planning</td>
<td>1</td>
</tr>
</tbody>
</table>

- Required Education Course
  EDMC 530 The Teacher as Researcher | 3  |

- Required Special Education Courses
  SPED 504 Applied Curriculum Development for Learners with Special Needs PreK-8
  or
  SPED 505 Applied Curriculum Development for Learners with Special Needs: 5-12 | 3  |
  SPED 522 The Inclusion Classroom: Philosophy and Implementation | 3  |
  SPED 530 Assessment Procedures Special Education | 3  |
  SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction | 3  |
  SPED 575 Behavior Interventions in Special Education | 3  |
  SPED 550 Seminar in Special Education | 3  |
  SPED 555 Field Experience in Special Education (only for those without Special Education experience) | 3  |

- Elective(s) as determined with an adviser.

Suggested electives include, but are not limited to, the following:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPED 508 Strategies for Diversity</td>
<td>3</td>
</tr>
<tr>
<td>SPED 517 Language Skills for Special Needs Learners</td>
<td>3</td>
</tr>
<tr>
<td>SPED 518 Reading Strategies in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>SPED 520 Topics in Special Education</td>
<td>3</td>
</tr>
<tr>
<td>Total minimum credits: 31</td>
<td></td>
</tr>
</tbody>
</table>

Degree requirements include a minimum of 31 approved graduate credits and successful completion of either written or oral comprehensive examination.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
MAJOR OF EDUCATION IN SPECIAL EDUCATION – MODERATE DISABILITIES (PREK-8 OR 5-12) (PROFESSIONAL LICENSURE)
This program is a degree program for partial fulfillment of Massachusetts Department of Education professional licensure requirements.

Admission Requirements
1) Candidates must meet all School of Graduate Studies admission requirements and have a minimum undergraduate GPA of 2.8.
2) Candidates must submit evidence of Massachusetts Special Education Initial Teacher License.
3) Official transcripts of all undergraduate and graduate course work.

Program Requirements
In consultation with an adviser, undertake appropriate course work and activities.

Note: Candidates who have enrolled in appropriate course work prior to admission are limited in the number of credits (6) that can be applied to their degree. Therefore, candidates are urged to complete the application for graduate admissions as soon as possible. For details regarding transfer credit, consult the “School of Graduate Studies” section of this catalog.

Degree Requirements

- GRPP 501 Graduate Program Planning .................................................. 1
- Professional Content Core: .................................................................. 15
  Appropriate content based course work as determined with an adviser; course work in Reading and/or other areas within the Arts and Sciences.

- Professional Discipline Core:
  Required course work:
  EDMC 530 Teacher as Researcher ......................................................... 3
  SPED 550 Seminar in Special Education ................................................. 3
  SPED 560 Teaching Students with Special Needs Through Direct/Explicit Instruction ................................................................. 3
  SPED 518 Advanced Reading Strategies in Special Education ....... 3

- Electives: as determined with an adviser;
  suggested electives include, but are not limited to, the following: .......................................................... 3
  SPED 517 Language Skills for Special Needs Learners
  SPED 522 The Inclusion Classroom
  Total minimum credits: 31

Degree requirements include a minimum of 31 approved graduate credits and the successful completion of the comprehensive examination.
Interdisciplinary and Preprofessional Programs

ACTUARIAL SCIENCE MINOR
This interdisciplinary minor, drawing from both high-level mathematics courses and finance courses, is ideally suited for mathematics majors or accounting and finance majors who are interested in preparing for the actuarial science exam and in pursuing a career as an actuary or in a related area.

**Credits**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACFI 240 Principles of Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 241 Principles of Accounting II</td>
<td>3</td>
</tr>
<tr>
<td>ACFI 385 Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MATH 151 Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 152 Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 251 Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose one course from the following: 3

ACFI 476 Insurance and Risk Management
ACFI 490 Investments
MATH 403 Probability Theory

Note: Accounting and finance majors may not choose ACFI 476 or ACFI 490 to satisfy the minor requirements. Mathematics majors may not choose MATH 403 to satisfy the minor requirements.

Total minimum credits: 21

For further information, interested students should contact Dr. Shannon Donovan of the Department of Accounting and Finance or Professor Richard Quindley of the Department of Mathematics and Computer Science.

AMERICAN STUDIES MINOR
Designed to complement the student's major, this minor program examines the development of American society and culture from several perspectives. It features a study of the United States through a combination of relevant courses in a variety of academic areas: history, literature, art and architecture, philosophy, religion, political science and others. Through this interdisciplinary focus, the minor encourages an integrated and inclusive sense of the American experience.

The area around Bridgewater is rich in library and museum resources for American studies. In addition to the holdings of Boston-area colleges and universities, there are the collections of the Massachusetts Historical Society, the Pilgrim Museum, Plimouth Plantation, the Whaling Museum in New Bedford, Fuller Museum of Art, the Boston and Providence Athenaeums, the John Carter Brown Library and the Harris Collection at Brown University. Bridgewater itself has the Microbook Library of American Civilization and the PCMI humanities collection.

A student wishing to pursue a minor in American studies will ordinarily be assigned an adviser from the American Studies Committee, and will be expected to take the following sequence of courses in the sophomore, junior and senior years:

**Required Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTD 220 Introduction to American Studies</td>
<td>3</td>
</tr>
<tr>
<td>INTD 420 American Studies Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses:** In consultation with an American studies adviser, the student will choose a group of at least four additional courses in fields related to the program. Most likely these courses will be spread over the junior and senior years. At least two of these additional courses must be chosen from disciplines outside the student's major. 12

Total minimum credits: 18

For further information, interested students should contact the Department of English.

ASIAN STUDIES MINOR
Choose any six of the following courses in at least two academic departments:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 216 Peoples and Cultures of the Near East</td>
<td></td>
</tr>
<tr>
<td>ARTH 205 Asian Art: India, China, and Japan</td>
<td></td>
</tr>
<tr>
<td>ARTH 208 Survey of Islamic Art and Architecture</td>
<td></td>
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<tr>
<td>COMM 365 Introduction to Intercultural Communication</td>
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<tr>
<td>COMM 462 Patterns of Intercultural Communication</td>
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<tr>
<td>ENGL 253 Non-Western Literature</td>
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<tr>
<td>GEOG 374 Geography of the Middle East</td>
<td></td>
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<tr>
<td>GEOG 375 Geography of South Asia</td>
<td></td>
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<tr>
<td>GEOG 376 Geography of East Asia</td>
<td></td>
</tr>
<tr>
<td>HIST 151 Asian Civilization</td>
<td></td>
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<tr>
<td>HIST 473 Asian-American History</td>
<td></td>
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<td>HIST 474 Islamic Civilization to 1400</td>
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<tr>
<td>HIST 475 The Modern Middle East</td>
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<tr>
<td>HIST 480 History of Imperial China</td>
<td></td>
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<tr>
<td>HIST 481 China under Communism</td>
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<tr>
<td>HIST 482 History of Modern Japan</td>
<td></td>
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<tr>
<td>HIST 483 South Asia: The Modern Period</td>
<td></td>
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<tr>
<td>HIST 484 War and Revolution in Modern Asia</td>
<td></td>
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<tr>
<td>LAAR 101 Elementary Arabic I</td>
<td></td>
</tr>
<tr>
<td>LAAR 102 Elementary Arabic II</td>
<td></td>
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<tr>
<td>LACH 101 Elementary Chinese I</td>
<td></td>
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<tr>
<td>LACH 102 Elementary Chinese II</td>
<td></td>
</tr>
<tr>
<td>LAJA 101 Elementary Japanese I</td>
<td></td>
</tr>
<tr>
<td>LAJA 102 Elementary Japanese II</td>
<td></td>
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<tr>
<td>LAJA 151 Intermediate Japanese</td>
<td></td>
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<tr>
<td>LAJA 172 Business Japanese</td>
<td></td>
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<tr>
<td>PHIL 212 Philosophies of India</td>
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<tr>
<td>PHIL 213 Philosophies of China and Japan</td>
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<tr>
<td>POLI 330 Politics of Asia</td>
<td></td>
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<tr>
<td>PSYC 200 Non-Western Theories of Personality</td>
<td></td>
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<tr>
<td>SOCI 214 Middle Eastern Societies</td>
<td></td>
</tr>
<tr>
<td>SOCI 217 East Asian Societies: China and Japan</td>
<td></td>
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<tr>
<td>SOCI 218 Chinese Society and Culture</td>
<td></td>
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<tr>
<td>THEA 222 Asian Theater</td>
<td></td>
</tr>
</tbody>
</table>

* First and second year seminars relating to Asia may be petitioned to be substituted for an Asian studies minor course. Study

SCHOOL OF EDUCATION AND ALLIED STUDIES

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
tours to Asia offered in history, art history, sociology, theater, geography, and management departments vary in special numbers. Courses taken from exchange institutions can be counted for up to half of the residency, for example, 3 out of 6 minor requirements.

Note: At least half of the minor (9 credits) must be completed at Bridgewater State College.

Total minimum credits: 18

Canadian Studies Minor

The minor has been developed as an area study in response to faculty, student and regional interest. The national origins of a large portion of the population of Southeastern Massachusetts reflect strong Canadian ties from both the French and English communities.

The program is designed to supplement and give a multicultural dimension to one’s major by an in-depth study of our northern neighbor. The study is presented in the following academic areas: history, literature, geography, management, music, economics, sociology and political science.

Students may enter the Canadian studies minor during the sophomore or junior year and will be assigned an adviser in their major field, usually a member of the College Council for Canadian Studies.

Credits

INTD 200 An Introduction to Canadian Studies........................... 3

Three courses with at least one from each area: ....................... 9

A.) Area of literature and history:
ENGL 251 Literary Themes: Canadian Literature and National Identity
HIST 487 Canadian History to Confederation
HIST 488 Canadian History since Confederation
HIST 489 History of Canadian-American Relations
HIST 494 Quebec and Canada since 1867

B.) Area of geography and political science:
CHEM 386 Geography of Canada
POLI 370 Canadian Foreign Policy: Actors and Issues
POLI 377 Canadian-American Political Relations
POLI 440 The Politics of Quebec

Two electives, one from each of the following two groups:

A.) One course selected from the following: ....................... 3
   ARTH 135-136 Freshman Honors Colloquium (when Canadian art is included)
   ANTH 206 Native Cultures in North America
   ANTH 328 Archaeology of North America
   CRUJ 399 Special Topics: Youth Offenders; Canada/U.S.
   ENGL 251 Literary Themes: Canadian Literature and National Identity
   GEOG 386 Geography of Canada
   HIST 487 Canadian History to Confederation

   HIST 488 Canadian History since Confederation
   HIST 489 History of Canadian-American Relations
   HIST 491 Medicine and Society in the North Atlantic World
   HIST 494 Quebec and Canada since 1867
   LAFR 101 Elementary French I
   LAFR 102 Elementary French II
   SOCI 313 Family Violence (when Canada is included)

   B.) One course selected from the following: ....................... 3
   BIOL 117 Biological Environment: Canada
   ECON 302 The Canadian Economy: A Comparative Approach
   ECON 321 International Economics (when Canada is included)
   PHED/INTD 236 Games and Sport of Arctic People
   POLI 370 Canadian Foreign Policy; Actors and Issues
   POLI 377 Canadian-American Political Relations
   POLI 386 Canadian Politics

   Students in the minor are encouraged to have some familiarity with French.

For further details contact Dr. Anthony Cicerone of the Department of Economics, telephone 508.531.2421. Web site: www.bridgew.edu/canada

Chemistry-Geology Major

A major in chemistry-geology is offered jointly by the Department of Chemical Sciences and the Department of Earth Sciences. This program is designed to prepare students for graduate school and professional employment in geochimistry and geology. Careers in these fields may involve environmental consulting, petroleum, mineral and groundwater exploration or research in geochronology, mineralogy, crystallography and oceanography. This major is particularly suited to students interested in chemical or geological oceanography. The program is flexible in that it allows the student to specialize in a variety of areas by suitable choice of electives.

Chemistry-Geology Major (Leading to a BS in Chemistry and Geology) Credits

CHEM 141 Chemical Principles I............................................. 4
CHEM 142 Chemical Principles II.......................................... 4
EASC 100 Physical Geology.................................................... 3
EASC 101 Historical Geology................................................. 4
EASC 372 Mineralogy............................................................... 4
EASC 450 Geochemistry......................................................... 4

Electives:
Two additional semesters of chemistry.................................. 6
Two semesters of physics..................................................... 6
Two semesters of mathematics............................................. 6

In addition to the above electives, 6 hours of chemistry, earth
Interdisciplinary and Preprofessional Programs

 sciences, mathematics and/or physics (courses must be approved by the student’s adviser). ........................................ 6
Total minimum credits: 47

Core Curriculum Requirements
A minimum of 120 earned hours is required for graduation. These earned hours include Core Curriculum requirements as specified in the “Undergraduate Academic Programs” section of this catalog. For additional graduation requirements, see the “Undergraduate Academic Policies” section of this catalog.

The chemistry-geology major at Bridgewater State College is recognized by the New England Regional Student Program as an undergraduate four-year degree opportunity for residents of New England. Students who are legal residents of Connecticut, Maine, New Hampshire, Rhode Island or Vermont accepted for study in this major will pay the in-state tuition rate plus surcharge tuition.

CIVIC EDUCATION AND COMMUNITY LEADERSHIP MINOR
The Civic Education and Community Leadership minor consists of 21 credit hours of course work designed to: (1) provide students with an interdisciplinary curriculum that promotes leadership and community service; (2) build on the college’s service-learning mission; and, (3) broaden campus efforts to build partnerships with local and state community organizations. The learning objectives associated with the minor include developing students’ knowledge and understanding of civic leadership and community engagement, communication and advocacy, management and organizational behavior, local and regional affairs, economic development, politics and governance, and social justice and social change.

Because interdisciplinary perspectives are necessary to solve most public policy problems, 12 different disciplines across the campus—anthropology, communication studies, economics, English, geography, history, management, philosophy, psychology, political science, social work, and sociology—offer courses in the program. Students completing this minor will be assigned a faculty adviser from one of these departments. For further information, interested students should contact the coordinator of the minor, Dr. George Serra, Director of the Political Science Department’s Center for Legislative Studies.

Requirements of the minor:
In addition to the requirements listed below, a grade of C or above is required in all courses applied toward the minor.

Foundation course (3 credits)
It is recommended that students complete the foundation course before completing the other components of the minor.

POLI 201 Foundations of Citizenship and Community Leadership ................................................................. 3

Experiential and Service-Learning course ......................... 3
Any of the following courses will satisfy this requirement if (1) a substantial portion of course content is related to issues pertaining to civic education and community leadership and (2) the student has gained written approval from the chairperson of the department offering the course and the coordinator of the minor. Students should gain written approval prior to completing an experiential or service-learning course to ensure that it will satisfy this requirement of the minor.

POLI 498, COMM 498, ECON 498, ENGL 498, GEOG 498, HIST 498, MGMT 498, PSYC 498, SCWK 498, SOCI 498
or
Any course other than POLI 201 that contains a substantial service-learning component. Students should consult with their faculty adviser for the minor to identify such courses.

Area Requirements .......................................................... 15
Students must take one course (3 credits) from each of the following areas. A special topics course or a directed study offered by any of the departments listed below will satisfy an area requirement if (1) a significant portion of course content is related to the area requirement and (2) the student has gained prior approval from the chairperson of the department offering the course and the coordinator of the minor. Students should gain written approval prior to completing a special topics course or a directed study to ensure that it will satisfy this requirement of the minor.

In fulfilling the area requirements, students may not take more than two courses (6 credits) from the same department, and at least three of the courses (9 credits) must be at the 300-400 level. No course can count toward satisfying one of the area requirements and the experiential and service-learning requirement listed above; students must choose whether they want a course to satisfy an area requirement or the experiential and service-learning requirement.

Communication and Advocacy
COMM 301 Introduction to Public Relations
COMM 360 Argumentation and Advocacy
COMM 365 Introduction to Intercultural Communication
ENGL 200 Personal and Public Writing
ENGL 201 Technical Writing
ENGL 202 Business Communication
ENGL 302 Technical Writing II
ENGL 396 Rhetoric and Style

Leadership, Management, and Organizations
ANTH 415 Anthropology of Education
ECON 375 Labor Economics
ECON 430 Managerial Economics
HIST 462 American Labor History
MGMT 130 Principles of Management
MGMT 140 Human Resources Management
MGMT 303 Organizational Behavior

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
## Interdisciplinary and Preprofessional Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MGMT 340</td>
<td>Labor Relations</td>
</tr>
<tr>
<td>MGMT 375</td>
<td>Personnel Development</td>
</tr>
<tr>
<td>POLI 279</td>
<td>Introduction to Public Administration</td>
</tr>
<tr>
<td>POLI 399</td>
<td>Collective Bargaining in the Public Sector</td>
</tr>
<tr>
<td>POLI 495</td>
<td>Administrative Law and Regulation</td>
</tr>
<tr>
<td>PSYC 313</td>
<td>Industrial and Organizational Psychology</td>
</tr>
<tr>
<td>SOCI 332</td>
<td>Sociology of Organizations</td>
</tr>
</tbody>
</table>

### Local and Regional Affairs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ANTH 426</td>
<td>Seminar: New England Ethnic and Regional Communities</td>
</tr>
<tr>
<td>ECON 350</td>
<td>Urban Economic Problems and Policies</td>
</tr>
<tr>
<td>GEOG 353</td>
<td>Urban Geography</td>
</tr>
<tr>
<td>GEOG 462</td>
<td>Principles of Urban Planning</td>
</tr>
<tr>
<td>GEOG 463</td>
<td>Applications in Urban Planning</td>
</tr>
<tr>
<td>HIST 464</td>
<td>New England Textile Communities: Social and Economic History</td>
</tr>
<tr>
<td>POLI 277</td>
<td>American Government: State and Local</td>
</tr>
<tr>
<td>POLI 376</td>
<td>Urban Politics</td>
</tr>
<tr>
<td>SOCI 206</td>
<td>Cities and People: Urban Sociology</td>
</tr>
<tr>
<td>SOCI 426</td>
<td>Seminar: New England Ethnic and Regional Communities</td>
</tr>
</tbody>
</table>

### Politics, Economics, and Governance

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ANTH 331</td>
<td>Political Anthropology</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>GEOG 350</td>
<td>Economic Geography</td>
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<tr>
<td>GEOG 355</td>
<td>Political Geography</td>
</tr>
<tr>
<td>GEOG 431</td>
<td>Environmental Regulations</td>
</tr>
<tr>
<td>HIST 443</td>
<td>United States History: The Early National Period</td>
</tr>
<tr>
<td>PHIL 322</td>
<td>Philosophy of Law</td>
</tr>
<tr>
<td>POLI/ECON 340</td>
<td>Law and Economics</td>
</tr>
<tr>
<td>POLI 341</td>
<td>Constitutional Law and Politics: The Powers of Government</td>
</tr>
<tr>
<td>POLI 372</td>
<td>Legislative Process and Procedure</td>
</tr>
<tr>
<td>POLI 375</td>
<td>American Political Parties and Interest Groups</td>
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<tr>
<td>POLI 380</td>
<td>Public Opinion and Mass Political Behavior</td>
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<tr>
<td>POLI 390</td>
<td>Public Finance</td>
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<tr>
<td>POLI 391</td>
<td>The American Presidency</td>
</tr>
<tr>
<td>POLI 479</td>
<td>Public Policy</td>
</tr>
<tr>
<td>POLI 495</td>
<td>Administrative Law and Regulation</td>
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</tbody>
</table>

### Social Justice and Social Change

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ANTH 115</td>
<td>Anthropology of Race, Class, and Gender</td>
</tr>
<tr>
<td>ANTH 204</td>
<td>Global Human Issues</td>
</tr>
<tr>
<td>ANTH 208</td>
<td>Anthropology of Women</td>
</tr>
<tr>
<td>ANTH 305</td>
<td>Culture Change</td>
</tr>
<tr>
<td>ANTH 319</td>
<td>Contemporary Native Americans</td>
</tr>
<tr>
<td>ANTH 435</td>
<td>Seminar: Global Feminism</td>
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<tr>
<td>GEOG 333</td>
<td>Geography of Environmental Justice</td>
</tr>
<tr>
<td>HIST 453</td>
<td>United States History: Progressive Era</td>
</tr>
<tr>
<td>HIST 465</td>
<td>African-American History</td>
</tr>
<tr>
<td>HIST 466</td>
<td>Women in American History</td>
</tr>
<tr>
<td>HIST 473</td>
<td>Asian-American History</td>
</tr>
<tr>
<td>INTD 240</td>
<td>Critical Perspectives in Women's and Gender Studies</td>
</tr>
<tr>
<td>PHIL 235</td>
<td>Human Rights and Human Liberties</td>
</tr>
<tr>
<td>POLI 342</td>
<td>Constitutional Law and Politics: The First Amendment</td>
</tr>
<tr>
<td>POLI 343</td>
<td>Constitutional Law and Politics: Liberty and Equality</td>
</tr>
<tr>
<td>POLI 389</td>
<td>Racial Politics in the United States</td>
</tr>
<tr>
<td>POLI 476</td>
<td>Women and Politics</td>
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<tr>
<td>PSYC 310</td>
<td>Social Psychology</td>
</tr>
<tr>
<td>SCWK 250</td>
<td>Introduction to Social Welfare</td>
</tr>
<tr>
<td>SCWK 270</td>
<td>Social Work Issues of Diversity and Oppression</td>
</tr>
<tr>
<td>SCWK 333</td>
<td>Social Work with the Aged and Their Families</td>
</tr>
<tr>
<td>SCWK 350</td>
<td>Social Welfare Policy</td>
</tr>
<tr>
<td>SCWK 415</td>
<td>Social Services in Alcohol and Substance Abuse</td>
</tr>
<tr>
<td>SCWK 432</td>
<td>Social Work Practice with Communities and Individuals</td>
</tr>
<tr>
<td>SOCI 103</td>
<td>Social Problems</td>
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<tr>
<td>SOCI 104</td>
<td>Global Social Problems</td>
</tr>
<tr>
<td>SOCI 207</td>
<td>Social Inequality</td>
</tr>
<tr>
<td>SOCI 312</td>
<td>Discrimination and Prejudice</td>
</tr>
<tr>
<td>SOCI 315</td>
<td>Race and Ethnicity in America</td>
</tr>
<tr>
<td>SOCI 316</td>
<td>Collective Behavior and Social Movements</td>
</tr>
</tbody>
</table>

**Total minimum credits: 21**

## Dance Minor

The dance minor is an interdisciplinary program in the Theater and Dance and Movement Arts, Health Promotion and Leisure Studies departments. The objective is to give a solid liberal arts experience in the art of dance. The program includes the study of techniques of various styles of dance, dance history and theory, choreography and production.

### Required Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEA/PHED 155</td>
<td>Dance Practicum (two semesters)</td>
<td>2</td>
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<tr>
<td>THEA/PHED 251</td>
<td>Dance History</td>
<td>3</td>
</tr>
<tr>
<td>THEA/PHED 255</td>
<td>Creative Dance I</td>
<td>3</td>
</tr>
<tr>
<td>THEA/PHED 256</td>
<td>Creative Dance II</td>
<td>3</td>
</tr>
<tr>
<td>THEA/PHED 357</td>
<td>Dance Production Theory</td>
<td>2</td>
</tr>
<tr>
<td>THEA/PHED 358</td>
<td>Dance Production Techniques</td>
<td>1</td>
</tr>
<tr>
<td>PHED 154</td>
<td>Ballet</td>
<td>2</td>
</tr>
</tbody>
</table>

### Required Courses:

Choose one:

- PHED 161 | Folk Dance | 1 |
- PHED 164 | Square Dance |
- PHED 168 | Ballroom Dance |
- PHED 268 | Ballroom Dance II — Theory, Practice and Performance |

Choose 6 credits from the following:

- PHED 242 | Theory and Practice of Ballet, Fall |
- PHED 245 | Theory and Practice of Ballet, Spring |
- PHED 237 | Theory and Practice of Jazz Dance, Fall |
- PHED 247 | Theory and Practice of Jazz Dance, Spring |
- PHED 248 | Theory and Practice of Modern Dance, Fall |
- PHED 249 | Theory and Practice of Modern Dance, Spring |
- THEA/PHED 259 | Dance Repertory |
- PHED 271 | Theory and Practice of Tap Dance II |

**Total minimum credits: 23**
ETHNIC STUDIES MINOR
Ethnic Studies is an interdisciplinary minor program addressing issues of racial and ethnic diversity in the United States. Courses are offered in the fields of literature, history, anthropology, sociology, social work, special education, among other disciplines. Focusing on both comparative and case studies of race and ethnicity, students examine issues of cultural identity from the perspectives of people of color and heritage cultures. By calling attention to discrimination, prejudice and other inequalities against racial and ethnic groups, this program seeks to contribute to the education of diversity and social justice in multicultural America.

Students choose six courses (18 credits), of which at least two courses (6 credits) must be from Group A: Comparative Study of Race and Ethnicity, and at least two courses (6 credits) from Group B: Study of Racial and Ethnic Groups. Students may also choose to focus on one of the following areas - Native American studies, African American studies, Latino and American studies, Asian American studies, and Irish American studies - by taking four courses (12 credits) in a specific area under Group B plus two courses (6 credits) under Group A.

**Group A: Comparative Study of Race and Ethnicity**
- ANTH 115 Anthropology of Race, Class, and Gender
- ANTH 315 Ethnic Experience in America
- ANTH 426 Seminar: New England Ethnic and Regional Communities
- COMM 300 Television, Minorities, and Cultural Diversity
- COMM 365 Introduction to Intercultural Communication
- CRJU 358 Race, Class, Crime, and Justice
- ENGL 315 Ethnic American Literature
- HIST 461 American Immigration and Ethnicity
- LANG 300 Languages of the World
- SCWK 270 Social Work Issues of Diversity and Oppression
- SCWK 437 Social Work with Multicultural and Multiethnic Families
- SOCI 312 Discrimination and Prejudice
- SOCI 315 Race and Ethnicity in America
- SOCI 426 Seminar: New England Ethnic and Regional Communities
- SPED 203 Cultural Diversity Issues in School and Society
- SPED 206 Special Education in a Diverse Society

**Group B: Study of Racial and Ethnic Groups**
1. Native American Studies
   - ANTH 120 First Nations: Global Indigenous People
   - ANTH 206 Native Cultures of North America
   - ANTH 319 Contemporary Native Americans
2. Africana Studies
   - ARTH 207 Introduction to African Art
   - ARTH 217 African-American Art
   - ENGL 233 Introduction to the African-American Novel
   - ENGL 317 African-American Literature I
   - ENGL 318 African-American Literature II

   - GEOG 388 Geography of Africa
   - HIST 465 African-American History
   - MUSC 162 Music in African Culture

3. Latino and Latin American Studies
   - ANTH 213 Latin American Peoples and Cultures
   - ANTH 215 The Caribbean
   - ANTH 409 Mesoamerican Societies and Cultures
   - ENGL 251 Literary Themes: Caribbean Literature
   - GEOG 381 Geography of Latin America
   - LASP 210 Latin American Poetry in Translation
   - LASP 220 The Contemporary Latin American Novel in English Translation

   - LASP 230 Contemporary Latin American Short Story in Translation

4. Asian-American Studies
   - ENGL 315 Ethnic American Literature
   - HIST 151 Asian Civilization
   - HIST 473 Asian-American History
   - SOCI 217 East Asian Societies: China and Japan
   - THEA 222 Asian Theatre

5. Irish-American Studies
   - ENGL 381 Irish Literature I
   - ENGL 382 Irish Literature II
   - INTD 216 Introduction to Irish-American Studies
   - INTD 416 Irish-American Seminar
   - SOCI 225 The Irish-American Experience

Total minimum credits: 18

For further information contact Dr. Wing-Kai To in the History Department.

FORENSIC PSYCHOLOGY MINOR

**Required Courses:**
- PSYC 369 Psychology of Criminal Behavior ......................... 3
- PSYC 370 Abnormal Psychology ...................................... 3
- PSYC 474 Forensic Psychology ...................................... 3
- PSYC 494 Clinical Practicum: Forensic Psychology .............. 3
- SOCI 228 Criminology ................................................. 3

**Select one course from the following electives:** ............................................................. 3

- CRJU/SOCI 225 Juvenile Delinquency
- SOCI 310 Women and Crime
- SOCI 313 Family Violence
- CRJU/SOCI 334 White Collar Crime
- CRJU 354 Corrections

Note: Only two courses may be counted toward the minor that have already been counted toward the student's major.

INTERDISCIPLINARY AND PREPROFESSIONAL PROGRAMS

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Sequence:
PSYC 100 must be taken before any other PSYC course.
PSYC 369 must be taken before PSYC 494.
SOCI 328 must be taken before the SOCI elective is taken.
Total minimum credits: 18

For further information concerning the forensic psychology minor contact Dr. Elizabeth Englebard at eenglebard@bridgew.edu or 508.531.1385.

Health Resources Management Minor
Students from relevant liberal arts and other related programs may elect this minor to develop the skills and background knowledge to gain employment at the entry level of health care delivery management. This minor is most appropriate for students in the social sciences, social work, physical education, communication studies, management, and other health service-oriented professions.

Required Courses:

ACFI 240 Accounting I ...................................... 3
HEAL 102 Health and Wellness .................................. 3
HEAL/SCWK 403 Interdisciplinary Approaches to the Delivery of Health Services ...................................................... 3
HEAL 430 Epidemiology and Community Health .................. 3
MGMT 130 Principles of Management ........................... 3
MGMT 140 Human Resources Management ..................... 3

Electives (choose one): .................................................. 3
ACFI 241 Accounting II
ACFI 385 Managerial Finance
HEAL 401 Human Sexuality
HEAL 405 Drugs in Society
HEAL 471 Nutrition
HEAL 477 Environmental and Consumer Health
MGMT 200 Marketing Principles
MGMT 375 Personnel Development

Students interested in the health resources management minor should contact Dr. Lydia Burak in the Department of Movement Arts, Health Promotion and Leisure Studies.
Total minimum credits: 21

Irish-American Studies Minor
The minor in Irish-American Studies has been developed as an area of study in response to faculty, student, and regional interest. The national origin of a large portion of the population of southeastern Massachusetts reflects Irish and Irish American ties.

The program has been developed in collaboration with Massachusetts Community College (MCC) and is designed to provide opportunities to learn about Irish immigration to America and the Irish American experience. The minor is an integrated program involving anthropology, art, history, literature, popular culture, and sociology.

Students may pursue a minor in Irish-American Studies by taking a combination of 18 credit hours consisting of two required courses (6 credit hours) and four elective courses (12 credit hours) selected from the courses listed below. Students may take one elective (with approval of the codirectors) at another institution (such as Boston College, University of Massachusetts-Boston, or Stonehill College). At least nine credit hours must be taken at Bridgewater State College.

The minor also sponsors summer programs in Ireland.

Required Courses:

INTD 216 Introduction to Irish American Studies .................. 3

Three of the following courses: .................................... 3
ENGL 142 Irish-American Literature I (MCC)
ENGL 143 Irish-American Literature II (MCC)
ENGL 251 Literary Themes: Irish-American Literature
HIST 221 Irish-American History Survey (MCC)
ENGL 398 Film Study: Genres
SOCI 225 Irish-American Experience

Electives:
Choose two additional courses from above or from the lists below. No more than one course may be taken from each list below. .......................................................... 6

Irish Content Courses:
ENGL 381 Irish Literature I
ENGL 382 Irish Literature II
HIST 439 Topics: Ireland, 1798-1922
HIST 211 History of Modern Ireland (MCC)
ENGL 145 Seminar in Ireland: Irish Life and Literature* (MCC)

General framework courses:
ANTH/SOCI 315 Ethnic Experience in America
ANTH/SOCI 426 New England Ethnic and Regional Communities
HIST 461 American Immigration and Ethnicity
SOCI 212 Discrimination and Prejudice

*Note: two optional opportunities for travel to Ireland
ENGL 145 Seminar in Ireland at University of Limerick (MCC)
SOCI 399 Special Topics in Sociology: Out of Ireland-Understanding Three Centuries of Migration

Total minimum credits: 18

Students interested in the Irish-American Studies minor should contact Dr. Walter Carroll of the Department of Sociology.
**Latin American and Caribbean Studies Minor**
The Latin American and Caribbean studies program at Bridgewater State College gives interested students the opportunity to use the analytical tools of various disciplines to learn about the societies of Middle America, South America, and the Caribbean, including the Latin American diaspora in the United States and elsewhere. Students from any discipline may choose a minor in Latin American and Caribbean studies. By allowing students to develop an understanding of a region that is adjacent to the United States and increasingly integrated politically, economically, and culturally, this minor will enhance their academic and professional preparation.

Students seeking a minor in Latin American and Caribbean studies must complete 18 credits of courses in at least three disciplines from among the courses listed below. Students pursuing this minor are strongly encouraged to complete courses in Spanish, Portuguese, or another language of the region, at least to the intermediate level.

**Anthropology**
- ANTH 213 Latin American Peoples and Cultures
- ANTH 399 Special Topics in Anthropology

**Geography**
- GEOG 381 Geography of Latin America
- *GEOG 550 Contemporary Issues in Geography

**History**
- HIST 422 Slavery and Race in the Atlantic World
- *HIST 439 Topics in Non-United States History
- HIST 477 Latin America: The Colonial Period
- HIST 478 Latin America: The National Period
- *HIST 495 Undergraduate History Colloquium
- *HIST 560 Topical Seminar: Latin America

**Spanish**
- LASP 290 Spanish Phonetics and Dialectology
- LASP 310 Contemporary Latin American Short Story
- LASP 320 Latin American Poetry
- LASP 392 Spanish-American Civilization
- LASP 402 Survey of Spanish-American Literature
- LASP 403 Topics in Spanish-American Literature
- LASP 490 Seminar in Hispanic Literature
- LASP 495 Seminar in Spanish-American Literature

**Political Science**
- POLI 381 United States-Latin American Relations
- POLI 382 Latin American Government and Politics
- POLI 488 Politics and Development in the Third World

**Social Work**
- SCWK 270 Social Work Issues of Diversity and Oppression
  * Total minimum credits: 18

† Special-topics courses that can be included in the minor, depending upon the specific topic covered, with prior permission of the Latin American and Caribbean Studies Program Coordinator, Dr. James Hayes-Bohanan.

* Formal application required. See “Graduate and Undergraduate Credit” in the “School of Graduate Studies” section of this catalog.

**Oceanography**
Courses related to oceanography are offered as a cooperative effort of the Departments of Biological Sciences, Chemical Sciences, Geography and Physics. This emphasis is designed to prepare students for graduate studies in oceanography.

Most graduate schools of oceanography require an undergraduate major in biology, chemistry, earth sciences or physics. All students interested in an oceanography program should major in one of these disciplines. Graduate schools of oceanography expect students to include most of the following courses (or comparable ones) in their undergraduate programs: Calculus I and II, Chemical Principles I and II, Quantitative Analysis, General Physics I and II, Biology I, Biology II, Marine Biology, Physical Geology, Biological Oceanography and Physical Oceanography.

These courses, together with one of the majors indicated above, provide the basic foundation for further study in one of the four principal branches of oceanography: biological oceanography, chemical oceanography, geological oceanography and physical oceanography. A student who is interested in oceanography should consult both his/her major adviser and one of the oceanography advisers before registering for courses in his/her freshman year or as soon as possible thereafter. Oceanography advisers are: Dr. Peter Saccocia (EarthSciences); Dr. Frank Gorga (Chemistry); Dr. John Jahoda (Biology).

**Pre-Medical, Pre-Dental, Pre-Veterinary and Other Medically Oriented Professions**
The Department of Biological Sciences can advise any college student interested in most of the medically oriented professions such as pre-medical, dental, veterinary, physical therapy, osteopathic, chiropractic, podiatry and physician's assistant, as to recommended courses for each area, professional schools' requirements, how to apply and how to prepare for the MCAT, DAT, VCAT and GRE, where applicable. Pertinent information and guidance is available through the pre-medical adviser, Dr. Merideth Kreovsky, in the Department of Biological Sciences.
Pre-Engineering

Preprofessional training for students planning to enter engineering schools is provided by Bridgewater State College.

Engineering schools expect prospective students to have demonstrated competency in areas such as mathematics, physics, chemistry and computer science.

Students who are interested in engineering should consult with Dr. Jeffrey Williams, Chairperson of the Department of Physics.

Pre-Law

Advising for students considering entering law school after graduation is provided by Bridgewater State College. Law schools are generally seeking students with strong academic liberal arts backgrounds who have demonstrated a high degree of competence in their ability to write with clarity, reason logically and analyze complex ideas. While law students come from a variety of majors, it is useful to have a balanced curriculum with some preparation in history, English, government and philosophy. Students interested in a legal career should consult with Dr. Mark Kemper of the Department of Political Science or Dr. Aer? Skoble of the Department of Philosophy.

Public History Minor

A program of courses offered by the Departments of Anthropology, History, Sociology and Criminal Justice to provide students with education and training for professional positions in public institutions such as museums, government offices, historical societies, national parks and in business. The program is designed to serve the Southeastern Massachusetts region. Students will choose courses from those listed below:

Required courses:  
HIST 392 History Seminar ................................................. 3  
HIST 492 Historical Museum Management ................................................. 3  
or  
HIST 493 Museum Management: A Practicum  
HIST 498 Internship in History .................................................. 3  
ANTH 103 Introduction to Archaeology ............................................. 3  
ANTH 303 Archaeological Field Excavation in Prehistoric  
Sites in New England  
or  
ANTH 328 Archaeology of North America  
ANTH 410 Public Archaeology ................................................. 3

Electives (Choose one course): .......................................................... 3  
HIST 440 Topics in United States History: Public History  
HIST 441 United States History: The Colonial Period 1607-1763  
HIST 460 The History of American Indians  
HIST 461 American Immigration and Ethnicity  
HIST 464 New England Textile Communities: Social and Economic History  
POLI 277 American Government: State and Local

SOCI 206 Cities and People: Urban Sociology  
SOCI 315 Race and Ethnicity in America

Total minimum credits: 21

Public Relations Minor

This public relations minor is offered as a cooperative effort of the Departments of Communication Studies, Management and English. It provides an opportunity for students to acquire knowledge and skills germane to public relations practice. Students take courses in management, advertising, public relations, marketing and business writing or elect presentational skills courses, for a total of 21 credit hours.

Required Courses:  
COMM 301 Introduction to Public Relations ............................................. 3  
COMM 391 Public Relations Practicum ................................................. 3  
MGMT 130 Principles of Management .................................................. 3  
MGMT 200 Marketing Principles (Prerequisite: MGMT 130  
and ECON 101 or ECON 102 or consent in instructor) ......................... 3  
MGMT 424 Advertising ........................................................................ 3

Elective Courses:  
Choose one: .................................................................. 3  
COMM 212 Announcing  
COMM 250 Public Speaking  
COMM 330 Business and Professional Communication

Choose one: ................................................................ 3  
ECON 101 Principles of Microeconomics  
ENGL 202 Business Communication

Total minimum credits: 21

Interested students should contact Dr. Thomas Mickey of the Department of Communication Studies.

Russian and East European Studies Minor

A multidisciplinary minor encompassing 18 credit hours to be selected from courses offered in the Departments of English, Foreign Languages, Geography, History, Political Science and Economics. The major purpose of this minor is to provide students with a deeper understanding of the Eastern European Area (including Russia) and its culture.

Each student must achieve proficiency in the Russian language (up to the intermediate level), but only six credits can be applied to the area program or any other Slavic language. Each requirement can be met by College-Level Examination Program (CLEP) examinations.

Three credits of each subject taken within the Slavic area studies can also be applied to student’s major.

Students participating in the program are encouraged to go beyond the minimum requirements and take additional general
education electives in this area. Additional courses can be taken with the approval of the Slavic Council at other Massachusetts State Colleges.

Each student who completes the program will be credited with a minor in the area, and in addition will receive "A Certificate of Completing Area Studies: Slavic."

The requirements for the minor include:

LARU 151-152 Intermediate Russian I-II ........................................ 6
HIST 436 History of East-Central Europe since 1918 ...................... 3
or
HIST 435 History of the U.S.S.R.
GEOG 380 Geography of Russia/CI.S. ........................................ 3

Select two of the following courses .............................................. 6
ECON 320 Comparative Economic Systems
POLI 275 Comparative Government
POLI 383 Comparative Political Systems

Total minimum credits: 18

For further details, contact the Department of History.

URBAN AFFAIRS MINOR
The college offers a multidisciplinary minor in urban affairs under the auspices of the anthropology, geography, economics, history, political science, psychology and sociology and criminal justice departments. The primary purpose of this minor is to provide students with a broader understanding of and sensitivity to the complex problems facing the urban environment through the combined efforts of different disciplines at the college. The minor, through its internship program, is designed to provide students with an opportunity for direct contact and work in fields such as urban planning, urban government, social welfare, social psychology and urban education.

Some examples of internships which are assigned according to the abilities, interests and background of the student and the current needs of the cooperating communities or agencies are:

Department of Geography:
City and regional planning, economic development, land use, environmental protection, transportation studies, cartography/drafting, business/bank locations and market studies.

Department of History:
Working with historical affairs commissions, assisting community organizations in oral history projects and writing about local history.

School of Arts and Sciences:
Working in human services agencies, survey research in public institutions, work in community organizations and voluntary agencies.

Option A  CREDITS
Four out of the following seven courses: .............................. 12
ANTH 306 Urban Anthropology
ECON 350 Urban Economic Problems and Policies
GEOG 353 Urban Geography
POLI 376 Urban Politics
PSYC 210 Applied Social Psychology
SOCI 206 Cities and People: Urban Sociology
Internship: (6) credits (Equal to 8 weeks, full time or
16 weeks, half time) .......................................................... 6
Total minimum credits (option A): 18

Option B  CREDITS
Four out of the six courses listed under option A ................... 12
Two courses from the list below ............................................. 6
GEOG 354 Field Methods in Urban Geography
HIST 462 American Labor History
POLI 277 American Government: State and Local
SOCI 312 Discrimination and Prejudice
499 Directed Study in individual participating departments

Total minimum credits (option B): 18

Courses taken to satisfy requirements of a major may not be counted in the minor. Students interested in this program are encouraged to take their general education electives in the area of minority studies.

Students interested in this program should contact:
1. Department of Geography
2. Professor Jean Stonehouse, Department of History

WOMEN’S AND GENDER STUDIES MINOR
Women’s and gender studies at Bridgewater State College was established in 1983, and is part of a rapidly growing course of study nationwide. Women’s and gender studies is an interdisciplinary minor which combines the analytical tools of different disciplines such as anthropology, psychology, sociology, literature, history, philosophy, etc., when studying the world.

Women’s and gender studies is dedicated to the study of women and gender. Gender is the idea of difference between the sexes, and all the assumptions, stereotypes and expectations that accompany these ideas. The minor looks at women and gender issues around the world, but since gender does not give a full understanding to women’s lives, we consider other factors such as race, class, culture and sexuality. The minor combines these tools and areas of interest into what we call an “integrative analysis.” The objective is to introduce students to analytical tools and basic approaches to the study of women in a variety of fields.

Students in the women’s and gender studies have found that a minor in women’s and gender studies enhances their major cur-

INTERDISCIPLINARY AND PREPROFESSIONAL PROGRAMS
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
riculum by broadening their lens of inquiry, encouraging them to ask new and meaningful questions about women and men, and seeing the world in a more meaningful way. Students of women’s and gender studies go on to graduate school in women’s and gender studies and in other disciplines, become teachers, librarians, attorneys, writers, reporters, labor organizers, social workers, counselors, ministers, performers, midwives, doctors and more.

**Women’s and Gender Studies Minor**
Students are required to take six women’s and gender studies courses to complete the women’s and gender studies minor, including:

- WMST/INTD 240 – Critical Perspectives in Women’s Studies ...3
- 15 credits selected from the list below of approved women’s and gender studies courses to include:........................................... 15

6 credits in literature, history, philosophy and/or the arts
6 credits in social sciences, behavioral sciences and/or natural sciences
3 credits of electives

NOTE: No more than two courses from the 15 credits may be taken in the same department.

**Art**
ARTH 308 Women in the Visual Arts

**Anthropology**
ANTH 115 Anthropology of Race, Class, and Gender
ANTH 208 Anthropology of Women
ANTH/SOCI 314 Women in Myth and Lore
ANTH 417 Seminar: She/He "Two Spirits" Gender Cross-Culturally
ANTH 435 Seminar: Global Feminism

**English**
ENGL 327 Women Writers: The Female Tradition to 1900
ENGL 328 Women Writers: The Female Tradition Since 1900
*Gender and Writing

**Foreign Language**
*Gender, Sexuality and Politics in Hispanic Cinema

**History**
HIST 421 European Women’s History: Medieval Renaissance and Reformation
HIST 466 Women in American History

**Interdisciplinary**
WMST/SCWK 304 The Psychosocial Development of Women
*Directed Study in Women’s Studies

**Photography**
ARTS 216 Basic Photography (Learning Community)

**Philosophy**
PHIL 210 Liberation Ethics
PHIL 332 Philosophy and Feminist Thought

**Political Science**
POLI 476 Women and Politics

**Sociology**
SOCI 310 Women and Crime
SOCI 313 Family Violence
SOCI 330 Women’s Roles: Sociology of Sex and Gender
*Feminist Theory

**Movement Arts, Health Promotion and Leisure Studies**
WMST/PHED 365 Women in Sports
*Women’s Health Issues

**Social Work**
SCWK 270 Social Work Issues of Diversity and Oppression

* NOTE: Certain titles, are offered under departmental topics courses and may be applied to the required electives upon approval of the women’s studies coordinator.

Total minimum credits: 18

For additional information about the women’s and gender studies minor contact, Dr. Diana Fox, Department of Anthropology.
Course Descriptions

The course descriptions include all courses which are taught for academic credit at the college. They are arranged in alpha-numerical sequence by course subject code. At present, the majority of the 500-600 level courses are offered in the evening hours. Students should be aware that not all courses are offered in the evening.

Students who are only able to enroll in classes 4:00 PM or after should consult the appropriate department chairperson for information about the availability of evening sections of courses required in a specific major, concentration and/or minor. Students are urged to consult the Course Schedule each semester to determine when specific courses are offered.

COURSE NUMBERING SYSTEM
100 - 299 Introductory courses or courses normally taken during the freshman and sophomore years.
300 - 399 Courses normally taken in the junior or senior years.
400 - 499 Courses normally taken by seniors; open to graduate students if so noted in course schedule.
500 - 699 Courses open only to graduate students.

CORE CURRICULUM REQUIREMENT NOTATIONS
Courses designated as satisfying Core Curriculum requirements are noted as such in the course description by a code (i.e., CSOC equates to Social or Behavioral Science) as outlined in this section of the catalog. For a listing of Core Curriculum requirements and the academic categories under which they fall, please refer to the “Undergraduate Academic Programs” section of this catalog.

PREREQUISITE NOTATIONS
Prerequisites, if any, are indicated in the course description. Students must have the necessary prerequisite for each course. Prerequisites are indicated with the individual course listing and are enforced at the time of registration. Prerequisite courses taken at institutions other than Bridgewater State College must be documented (transcript or grade report, and in some cases course description) prior to registration.

Students who wish to enroll in a course without the prerequisite(s) must obtain a Prerequisite Override form prior to registering for the course. The form must be signed by the chairperson of the depart-

MENT through which the course is offered and, in some cases, the instructor of the course. Students seeking an override of professional education prerequisites for courses taught through the School of Education and Allied Studies must complete a Request for a Student to Take an Upper Level Professional Education Course Without Formal Program Admission form and obtain all required signatures.

SEMESTER NOTATIONS
In some course descriptions, a semester designation indicating when the course can normally be expected to be offered is noted. This information is provided to assist students and their advisers in planning their programs. Please note, however, that all course listings published are subject to change, and that the college reserves the right to cancel courses or sections with inadequate enrollment.

FORMER COURSE NUMBER NOTATIONS
Some courses have had a recent change in their course number. The former number is noted in the course description. Credit will not be given for a course repeated under a different number.

CROSS-LISTED COURSES
In some cases, a course in one discipline may be cross-listed with another course in a different discipline. Course descriptions will be listed under each course prefix in the appropriate discipline. For example, ECON/POLI 340 Law and Economics will be listed under ECON (Economics) and POLI (Political Science). Students may enroll in such courses under either discipline, but not both.

MEETING TIMES
Courses offered during evening hours normally meet once a week for a full semester or a quarter. Unless specified otherwise, day session courses meet for three 50-minute periods or two 75-minute periods per week for one semester. Departures from this rule, such as laboratory and studio periods and quarter courses, are indicated in the course description and in the schedule of courses.

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
### Core Curriculum Course Notations

Courses which satisfy Core Curriculum Requirements are designated in the course description by one or more of the codes listed below:

<table>
<thead>
<tr>
<th>CODE</th>
<th>REQUIREMENT(S) WHICH THE COURSE SATISFIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWRI</td>
<td>Writing I</td>
</tr>
<tr>
<td>CWR2</td>
<td>Writing II</td>
</tr>
<tr>
<td>CLOR</td>
<td>Foundations of Logical Reasoning</td>
</tr>
<tr>
<td>CMAR</td>
<td>Foundations of Mathematical Reasoning</td>
</tr>
<tr>
<td>CSPK</td>
<td>Spoken Communication</td>
</tr>
</tbody>
</table>

#### Core Skills Requirements

<table>
<thead>
<tr>
<th>CODE</th>
<th>REQUIREMENT(S) WHICH THE COURSE SATISFIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWRT</td>
<td>Writing Intensive</td>
</tr>
<tr>
<td>CSPI</td>
<td>Speaking Intensive</td>
</tr>
<tr>
<td>CGCL</td>
<td>Global Culture</td>
</tr>
<tr>
<td>CMCL</td>
<td>Multiculturalism</td>
</tr>
<tr>
<td>CQUR</td>
<td>Application of Quantitative Skills</td>
</tr>
<tr>
<td>CUSC</td>
<td>United States and Massachusetts Constitutions</td>
</tr>
</tbody>
</table>

#### Seminars

<table>
<thead>
<tr>
<th>CODE</th>
<th>REQUIREMENT(S) WHICH THE COURSE SATISFIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFYS</td>
<td>First Year Seminar</td>
</tr>
<tr>
<td>CSYS</td>
<td>Second Year Seminar</td>
</tr>
</tbody>
</table>

#### Additional Distribution Requirements

<table>
<thead>
<tr>
<th>CODE</th>
<th>REQUIREMENT(S) WHICH THE COURSE SATISFIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWRM</td>
<td>Upper-level writing-intensive course in the major</td>
</tr>
</tbody>
</table>

#### Core Distribution Requirements

<table>
<thead>
<tr>
<th>CODE</th>
<th>REQUIREMENT(S) WHICH THE COURSE SATISFIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFPA</td>
<td>Fine and Performing Arts</td>
</tr>
<tr>
<td>CHUM</td>
<td>Humanities</td>
</tr>
<tr>
<td>CNSL</td>
<td>Natural Sciences-Laboratory</td>
</tr>
<tr>
<td>CNSN</td>
<td>Natural Sciences-Non Laboratory</td>
</tr>
<tr>
<td>CSOC</td>
<td>Social and Behavioral Sciences</td>
</tr>
</tbody>
</table>

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# Course Descriptions

<table>
<thead>
<tr>
<th>Course Subject Code Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting and Finance</td>
</tr>
<tr>
<td>Anthropology</td>
</tr>
<tr>
<td>Arabic</td>
</tr>
<tr>
<td>Art</td>
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<tr>
<td>Athletic Training</td>
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<tr>
<td>Aviation Science</td>
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<tr>
<td>Biology</td>
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<tr>
<td>Business</td>
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<tr>
<td>Cape Verdean Creole</td>
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<tr>
<td>Chemistry</td>
</tr>
<tr>
<td>Chinese</td>
</tr>
<tr>
<td>Coaching</td>
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<tr>
<td>Communications Disorders</td>
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<tr>
<td>Communication Disorders</td>
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<tr>
<td>Computer Science</td>
</tr>
<tr>
<td>Counseling (see Mental Health Counseling, Student Affairs Counseling, School Counseling)</td>
</tr>
<tr>
<td>Criminal Justice</td>
</tr>
<tr>
<td>Dance</td>
</tr>
<tr>
<td>Early Childhood</td>
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<tr>
<td>Earth Sciences</td>
</tr>
<tr>
<td>Economics</td>
</tr>
<tr>
<td>Education (Master's Core)</td>
</tr>
<tr>
<td>Education (High School, Middle School, PreK-12)</td>
</tr>
<tr>
<td>Educational Leadership</td>
</tr>
<tr>
<td>Elementary Education</td>
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<tr>
<td>English</td>
</tr>
<tr>
<td>English as a Second Language</td>
</tr>
<tr>
<td>Exercise Science/Health Fitness</td>
</tr>
<tr>
<td>Finance</td>
</tr>
<tr>
<td>Foreign Languages (also see individual language)</td>
</tr>
<tr>
<td>French</td>
</tr>
<tr>
<td>Freshman Skills</td>
</tr>
<tr>
<td>General Counseling</td>
</tr>
<tr>
<td>General Science</td>
</tr>
<tr>
<td>Geography</td>
</tr>
<tr>
<td>German</td>
</tr>
<tr>
<td>Graduate Program Planning</td>
</tr>
<tr>
<td>Health</td>
</tr>
<tr>
<td>High School Education</td>
</tr>
<tr>
<td>History</td>
</tr>
<tr>
<td>Information Systems</td>
</tr>
<tr>
<td>Instructional Technology</td>
</tr>
<tr>
<td>Interdisciplinary</td>
</tr>
<tr>
<td>Italian</td>
</tr>
<tr>
<td>Japanese</td>
</tr>
<tr>
<td>Library</td>
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<tr>
<td>Management</td>
</tr>
<tr>
<td>Marketing</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>Media</td>
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<tr>
<td>Mental Health Counseling</td>
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<tr>
<td>Middle School Education</td>
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<tr>
<td>Music</td>
</tr>
<tr>
<td>Natural Sciences</td>
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<tr>
<td>Philosophy</td>
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<tr>
<td>Physical Education</td>
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<tr>
<td>Physical Geography</td>
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<tr>
<td>Physical Science</td>
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<tr>
<td>Physics</td>
</tr>
<tr>
<td>Political Science</td>
</tr>
<tr>
<td>Portuguese</td>
</tr>
<tr>
<td>Psychology</td>
</tr>
<tr>
<td>Reading</td>
</tr>
<tr>
<td>Recreation</td>
</tr>
<tr>
<td>Russian</td>
</tr>
<tr>
<td>School Administration</td>
</tr>
<tr>
<td>School Counseling</td>
</tr>
<tr>
<td>Secondary Education (See HSED, MSED, EDHM)</td>
</tr>
<tr>
<td>Social Work</td>
</tr>
<tr>
<td>Sociology</td>
</tr>
<tr>
<td>Spanish</td>
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<tr>
<td>Special Education</td>
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<tr>
<td>Speech Communication</td>
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<tr>
<td>Student Affairs Counseling</td>
</tr>
<tr>
<td>Theater Arts</td>
</tr>
<tr>
<td>Women's and Gender Studies</td>
</tr>
</tbody>
</table>

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ACCOUNTING AND FINANCE (ACFI)

ACFI 150 Personal Finance (3 credits)
This course examines a range of alternative investments with regard to risk and liquidity. It analyzes and compares such investments as real estate, business ownership, securities and other investment types, considering the effects of taxation and inflation. (CQUR)

ACFI 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ACFI 240 Principles of Accounting I (3 credits)
This course involves the preparation and analysis of accounting statements. Areas covered in detail include cash, receivables, merchandise accounting, internal control, inventory valuation and corporate financial reporting. Either semester (CQUR)

ACFI 241 Principles of Accounting II (3 credits)
Prerequisite: ACFI 240
This course is a continuation of Accounting I. Areas covered include operating assets, property plant and equipment, current liabilities, long term liabilities, stockholder's equity and financial statement analysis. Either semester (CQUR)

ACFI 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ACFI 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ACFI 305 Business Law I (3 credits)
The course is a study of the law and the judicial process including tort law, criminal law, agency law, administrative law, and constitutional law. The course emphasizes the common law of contracts. Either semester (CUSC)

ACFI 340 Intermediate Accounting I (3 credits)
Prerequisite: ACFI 241
This course develops an understanding of generally accepted accounting principles, the conceptual framework and accounting information systems. Financial statements, cash, temporary investments, receivables and inventories are studied in depth. Fall semester (CQUR)

ACFI 341 Intermediate Accounting II (3 credits)
Prerequisite: ACFI 340
This course is a continuation of ACFI 340. Topics covered include a continuation of inventory valuation, the acquisition, use and retirement of fixed assets, intangible assets, current and long-term liabilities, retained earnings and capital stock. Spring semester (CQUR)

ACFI 350 Managerial Accounting (3 credits)
Prerequisite: ACFI 241
A study of management's use of accounting information to make decisions related to planning, controlling, and evaluating the organization's operations. The behavior and management costs, as well as techniques used to evaluate and control results of operations, are discussed. Topics include: cost terminology, cost behavior, cost-volume-profit analysis, job order costing, activity-based costing, segment reporting, budgeting, standards, performance measures and variance analysis, evaluation of decentralized operations, and differential analysis techniques. This course is presented from the perspective of the user of accounting information rather than the preparer of such information. Analytical problem solving-techniques and the use of electronic spreadsheets will be utilized as decision-making tools. Either semester (CQUR)
ACFI 385 Managerial Finance (3 credits)
Prerequisite: ACFI 241
Provides understanding of the finance function and the responsibilities of the financial manager. Develops concepts and tools for use in effective financial decision-making and problem-solving. Covers ratio analysis, funds, flow, forecasting, current assets management, budgeting, credit services, formation and cost of capital and impact of operating and financial leverages. Either semester (CQUR)

ACFI 400-401 Honors Tutorial (3 credits each semester)
Prerequisite: Open to Commonwealth and Departmental Honors students
Special topics in accounting and finance. Three hourly meetings weekly. ACFI 400 Fall semester, ACFI 401 Spring semester

ACFI 402 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project.

ACFI 406 Business Law II (3 credits*)
Prerequisite: ACFI 305
A study of the basic legal principles encountered in the various forms of business organizations and the study of the Uniform Commercial Code chapters on Sales, Commercial Paper, Bank Deposits and Collections, and Secured Transactions. Spring semester

ACFI 430 Cost Accounting I (3 credits*)
Prerequisite: ACFI 340
Basic cost concepts and cost procedures for manufacturing enterprises are studied. Job order product costing is emphasized. Topics include manufacturing cost-flow concepts, procedure and controls, factory and departmental burden rates, and inventory-costing methods. Spring semester

ACFI 445 Auditing (3 credits*)
Prerequisite: ACFI 341; or may be taken concurrently with ACFI 341 with consent of the instructor
The qualifications and professional code of conduct of the auditor are discussed. Attention is then focused upon auditing procedures, including the preparation of audit working papers and other steps required in the course of an audit. Spring semester

ACFI 455 International Finance (3 credits*)
Prerequisite: ACFI 385
This course surveys the financial management of multinational corporations. After reviewing foreign exchange rate determinations, it then covers such timely topics as exchange risks, hedging, interest rate arbitrage, insurance and guarantee programs and international capital markets. Analysis is made of multinational capital budgeting techniques, the cost of capital and working capital management in a multinational corporate setting. Fall semester

ACFI 460 Advanced Accounting I (3 credits*)
Prerequisite: ACFI 341
This course covers accounting for investments, business combinations, segmental reporting of business entities, and not for profit and government accounting. Fall semester

ACFI 465 Options and Futures Markets (3 credits*)
Prerequisite: ACFI 385 and ACFI 490
This course familiarizes the student with two little known but potentially titanic markets in the securities industry. Both options and futures are the wave of things to come. The course begins with an historical account of the origins of the two markets and then an examination of the mechanisms of both markets. Much time is spent on hedging techniques and on the application of futures contracts to the food industries and to banking and life insurance. Spring semester

ACFI 466 Federal Income Taxation I (3 credits*)
Prerequisite: ACFI 466
Provides background in Federal Income Tax Law and the regulations of the Treasury Department. Deals primarily with the basic philosophy of taxation, taxable income, allowable deductions and gains and losses in sales and exchanges of property for the individual taxpayer. Emphasizes the development of the ability to utilize various references in dealing with tax problems. Discusses tax planning. Fall semester

ACFI 467 Advanced Taxation (3 credits)
Prerequisite: ACFI 467
This course examines in greater depth federal income tax law and regulations applicable to partnerships, corporations and fiduciaries. The course also covers federal gift and estate tax principles, reorganizations, personal holding companies and the accumulated earnings tax. The course emphasizes tax planning, including timing of transactions, appropriate forms of transactions, election of methods when alternative methods are made available under the law and other lawful means to minimize the impact of taxation. Procedures in the settlement of tax controversies are included.

ACFI 470 Accounting Information Systems (3 credits*)
Prerequisite: ACFI 241 and COMP 105
This course integrates accounting processes and procedures as they relate to the total information system. Students study the design and implementation of accounting-related information systems. Topics include internal control, design of flowcharts, data flow diagrams, computerized financial reporting and the impact of the accounting function on various elements of the organization. It covers the purchase decision for hardware and software and related accounting considerations. Exposure to the latest accounting software packages will be presented.

ACFI 476 Insurance and Risk Management (3 credits*)
Prerequisite: ACFI 385
This course is designed to provide an understanding of the fundamental concepts of risk management in the areas of employee benefit programs, property damage and liability exposures and other business needs for insurance. The course will also provide an overview of the risk-bearing industry, its function and importance and its relevance

*May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
in today’s business markets. Emphasis will be on the insurance contracts themselves and the rating plans available. Fall semester

**ACFI 480 Special Topics in Accounting** (3 credits)
Prerequisite: The course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in Accounting will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. This course may be taken more than once with consent of the Department Chairperson.

**ACFI 481 Special Topics in Finance** (3 credits)
Prerequisite: The course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in Finance will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. This course may be taken more than once with consent of the Department Chairperson.

**ACFI 485 Capital Budgeting** (3 credits)
Prerequisite: ACFI 385
This course explores the decision processes involved in the securing of long term physical corporate assets, or in committed long term intangible assets, including spreadsheet analysis of cash flows, tax implications, decision making criteria, risk analysis and the computation of cost of capital. Spring semester

**ACFI 486 Real Estate Investment and Finance** (3 credits)
Prerequisite: ACFI 385
This course is designed to provide a comprehensive overview of the subject of real estate finance, including such topics as valuation and appraisal, market analysis, mortgages, inflation effect on real estate markets, taxes and legal considerations. This course will emphasize the fundamental theories that lead to current practice in today's market conditions and is designed for those finance majors interested in pursuing careers in real estate management, as well as those interested in broadening their understanding of this investment option. Fall semester

**ACFI 490 Investments** (3 credits)
Prerequisite: ACFI 385
Provides an understanding of the methods and techniques utilized in analyzing various securities for investment purposes. The importance of the business cycle, economy and regulation is also addressed. Spring semester

**ACFI 491 Mutual Funds Management** (3 credits)
Prerequisite: ACFI 385 or ACFI 505
This course is an in-depth study of the mutual fund industry. A study of mutual funds involves an understanding of the investment process, fund management, promotion and pricing strategies. This course covers the history, the current players, and the future challenges of the mutual fund industry.

**ACFI 492 Intermediate Accounting III** (3 credits)
Prerequisite: ACFI 341
This course is a continuation of ACFI 341. Topics covered include revenue recognition, income taxes, pensions, leases and financial reporting. Financial reporting will focus on accounting changes, disclosure requirements and the statement of cash flows. Fall semester

**ACFI 498 Internship in Accounting** (3-15 credits)
Prerequisite: Consent of the department chairperson; formal application required
A non-classroom experience designed for a limited number of junior and senior majors to complement their academic preparation. Graded on a (P) Pass/(N) No Pass basis. Either semester

**ACFI 499 Directed Study in Accounting** (1-3 credits)
Prerequisite: Consent of the department chairperson; formal application required
Open to junior and senior majors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Graded on a (P) Pass/(N) No Pass basis. Either semester

**ACFI 505 Accounting and Finance for Managers** (3 credits)
This course presents the fundamentals of accounting and finance for graduate students who have not previously studied these subjects or who need a review of them. Credit cannot be applied toward a graduate degree program.

**ACFI 545 Auditing** (3 credits)
Prerequisite: ACFI 341
The qualifications and professional code of conduct of the auditor are discussed. Attention is focused upon auditing procedures including the preparation of audit working papers and other steps required in the course of an audit. Spring semester

**ACFI 560 Advanced Accounting** (3 credits)
Prerequisite: ACFI 341
This course covers accounting for investments, business combinations, segmental reporting of business entities, and not for profit and government accounting. Fall semester

**ACFI 567 Advanced Taxation** (3 credits)
Prerequisite: ACFI 466
This course examines in greater depth federal income tax law and regulations, with emphasis on topics applicable to partnerships, corporations, "S" corporations, and fiduciaries. Also covered are federal gift and estate tax principles, liquidations, and reorganizations. Tax planning and tax research are emphasized, including timing of transactions, appropriate forms of structuring transactions, election of alternative methods, and other lawful means to minimize the impact of taxation.

**ACFI 580 Special Topics in Accounting** (3 credits)
Prerequisite: The course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in accounting will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. This course may be taken more than once with consent of the Department Chairperson.

†May be taken for graduate level credit

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ACFI 581 Special Topics in Finance (3 credits)
Prerequisite: The course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in finance will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. This course may be taken more than once with consent of the Department Chairperson.

ACFI 593 Financial Statement Analysis and Disclosure (3 credits)
Prerequisite: ACFI 385 or ACFI 505
This course covers current techniques and applications of financial statement analysis; exposes students to the contemporary financial reporting environment and current reporting practices of companies; analyzes real-life cases to foster an understanding of the economic and strategic information conveyed in financial reports and related disclosure issues.

ACFI 595 Accounting Seminar (Capstone 3 credits)
Prerequisite: ACFI 341 and completion of 18 credits of graduate course work
This capstone course develops an integrated understanding of generally accepted accounting principles along with the underlying concepts of accounting conventions. Emphasis is placed on current developments, recent FASB pronouncements, and the role of the Securities Exchange Commission. Guest speakers augment student presentations and seminar discussions.

Other Approved Courses:
ACFI 399 Special Topics in Accounting/Finance
ACFI 431 Cost Accounting II
ACFI 510 Accounting for School Business Managers
ACFI 511 Principles of Finance for School Business Administration
ACFI 531 Cost Accounting II

ANTHROPOLOGY (ANTH)

ANTH 100 Introduction to Cultural Anthropology (3 credits)
This course introduces basic anthropological concepts and methods of cultural analysis. The problems of ethnocentricity and human cultural variability in human societies of different times and places will be studied. Either semester (CGCL; CMCL; CSOC)

ANTH 101 Biological Anthropology (3 credits)
This course covers the following areas: divisions of anthropology, theories and principles of evolution, primate and hominid evolution and behavior, origins of hominid physical and cultural development and concepts of racial variation. Either semester (CSOC)

ANTH 103 Introduction to Archaeology (3 credits)
This course examines research methods, systems of data recording, and analysis and reconstruction of cultural lifeways of past cultures. The conceptual bases of the study of the past are explored through material culture. Either semester (CSOC)

ANTH 110 Introduction to Folklore (3 credits)
This course explores the meanings and subdivisions of folklore: myth, folktale, proverb, riddle, and folklore. It covers the analysis of story elements, major folklore areas and the role of folklore and folk life in society and culture. Either semester (CGCL; CMCL; CSOC; CWRT)

ANTH 111 Myth and Culture (3 credits)
This course introduces the cross-cultural approach to world mythology. Myths of our own and other cultures will be analyzed using several theoretical approaches. Myth will be examined as a fundamental human function, necessary for the well-being of cultures. Fall semester (CGCL; CSOC; CWRT)

ANTH 115 Anthropology of Race, Class, and Gender (3 credits)
This course will introduce students to how concepts of race, class, and gender have been constructed cross-culturally. Students will use cross-cultural ethnographic examples from egalitarian, ranked, and stratified societies to examine how systems of social inequality based on race, class, and gender are created and maintained; how these social categories are used to promote group loyalties and allegiances; and how global community building can occur across social divides of gender, social class, race, ethnicity and/or nationhood. Either semester (CSOC; CMCL)

ANTH 120 First Nations: Global Indigenous People (3 credits)
This course will introduce students to First Nations or indigenous people globally. Students will investigate prehistoric and contemporary native indigenous ways of life, using examples from Native North and South America, Australia, Africa, and the Pacific Islands, among others. Students will investigate issues of indigenous cultural survival, the current political and economic status of indigenous communities, issues of self-determination, global human rights, and pan-tribalism. Spring semester (CGCL; CSOC)

ANTH 130 Introduction to Primates (3 credits)
This course will provide an introduction to the variation of modern nonhuman primates — monkeys, apes, and prosimians. We will examine the social behavior of these animals, drawing links to human behavior that will allow us to see where there are similarities and in what ways humans are unique. The origins of cultural behavior, along with diet and morphology, will be explored within an ecological context. The nature of learned behavior, dependence on social relationships for survival, competition for resources, and the importance of cultural understanding to achieve goals will be major themes. Evolutionary theory and conservation will provide much of the framework for our studies. Spring semester (CSOC)

ANTH 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively

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Course Descriptions

engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ANTH 204 Global Human Issues (3 credits)
This interdisciplinary course treats major world problems with particular emphasis on those faced by non-Western peoples. The interdependence between economically developed and underdeveloped parts of the world will be explored according to such themes as collective versus individual good, short versus long-term planning and cooperation versus competition. Either semester (Formerly ANTH 104) (CGCL; CMCL; CSOC)

ANTH 206 Native Cultures of North America (3 credits)
This cross-cultural course studies the tribal cultures of the United States, Canada and Mexico. Emphasis will be placed on developing an understanding of Native American cultural systems in their traditional settings and on the current status of Native American interaction with government policies and attitudes. Either semester (CGCL; CMCL; CSOC)

ANTH 208 Anthropology of Women (3 credits)
This course will investigate the relative status of women cross-culturally in a range of non-western settings, including hunter-gatherer bands, horticultural societies, pastoralists, nomadic pastoralists, and contemporary industrial societies. Women will be examined as they relate to economic resources, political power and authority, kin and non-kin and in religion, myth and lore. Students will analyze conceptually and through cross-cultural data what is meant by sex roles, how they vary cross-culturally and how they are negotiated and maintained. Either semester (CGCL; CMCL; CSOC)

ANTH 209 Peoples and Cultures of Africa (3 credits)
A survey of the multiplicity of ways in which contemporary societies, rural and urban, arrange their ways of life in a rapidly changing Africa. Once yearly (CGCL; CMCL; CSOC)

ANTH 213 Latin American Peoples and Cultures (3 credits)
This course will investigate the culture, history and development of selected Latin American regions and their contemporary relations with the United States. Mexico/ Guatemala and Central and South America will be studied by means of ethnographic and cross-cultural documents of the past and present which reveal changing conditions of society, land ownership, ethnicity and political allegiance. Either semester (CGCL; CMCL; CSOC)

ANTH 215 The Caribbean (3 credits)
This course examines the creation of Caribbean cultures and societies over 500 years of European conquest and colonization, the impact of the slave trade, emancipation, independence movements and postcolonial state formation. The course explores everyday life in contemporary Caribbean societies considering the intersections of nationality, class, ethnicity, race, gender and religion on the formation of diverse and complex cultures. Fall semester (CGCL; CMCL; CSOC; CWRT)

ANTH 216 Peoples and Cultures of the Near East (3 credits)
The Near East was the cradle of the world's earliest civilizations, and has made immense contributions to the development of agriculture, pastoralism, urbanization, and organized religion. Today it remains an extraordinarily important and volatile crossroads for world culture. The course will examine both ancient and modern cultures within this diverse region from a cross-cultural perspective. The study will include kinship patterns, social organization, political structures, subsistence strategies, and belief systems. The course will pay particular attention to the role of modern peoples in shaping the world stage, both in reaction to and in harmony with the introduction of Western ideologies and economics. (CGCL; CMCL; CSOC; CSPI)

ACFI 224 Anthropology of South Asia (3 credits)
Anthropology of South Asia is a general introductory course which is designed for both anthropology majors and non-majors. This course introduces students to the physical geography of South Asia, and explores the various key aspects of South Asian traditional culture, social systems, and transformations, including the Diaspora, and the spread of popular culture outside South Asia. (CGCL; CSOC)

ANTH 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisites: ANTH 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ANTH 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topical courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ANTH 299 Second Year Seminar (Writing-Intensive) (3 credits)
Prerequisites: ANTH 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ANTH 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topical courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These cours-
es will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ANTH 303 Archaeological Field Excavation in Prehistoric Sites in New England (2-6 credits)
This course provides intensive training in the practical skills of field archaeology. Direction in site survey, excavation tactics and strategy, fieldwork supervision, methods of sampling and on-site analysis is given. The course includes an introduction to laboratory work, covering topics such as cataloging, recognizing lithic materials, metric measurement and flotation of organic samples. Every summer (Formerly ANTH 403)

ANTH 305 Culture Change (3 credits)
Prerequisite: ANTH 100 or ANTH 101 or ANTH 103 or consent of the instructor
This course focuses on the processes of culture change, intentioned and unintentioned, internal and external. It will explore reaction strategies of cultures toward imminent change. The course concludes with a consideration of how models can be applied to producing non-destructive, non-exploitative culture change. Offered once every three years (Formerly ANTH 205) (CGCL; CSOC; CWRT)

ANTH 306 Urban Anthropology (3 credits)
This course is a study of urban culture using anthropological fieldwork methods. Offered once every three years

ANTH 307 Anthropology of Religion (3 credits)
Prerequisite: ANTH 100 or ANTH 111 or consent of instructor
The origins and development of religion in society; myth, ritual, magic and religious specialists: Australian, African and American Indian. Offered alternate years, fall semester (CGCL; CSOC; CWRT)

ANTH 308 Anthropology of Education (3 credits)
Prerequisite: ANTH 100 or consent of the instructor
This course introduces students to anthropological approaches to analyzing and understanding learning, schools, and education systems cross-culturally. Students investigate schools as agents of child socialization and enculturation; compare U.S. schools, education systems, and school cultures to learning, schools, and education in other societies; and examine how educational institutions relate to other aspects of culture. Cross-cultural data include indigenous and contemporary Native North America, Africa, Japan, Germany, and other settings globally. Offered alternate years (Formerly ANTH 415) (CGCL; CMCL; CSOC)

ANTH 309 Anthropology of Art (3 credits)
Prerequisite: ANTH 100 or ANTH 110 or consent of instructor
This course investigates the forms, functions, meanings, and aesthetics of art cross-culturally. It will be critical of the modern western concept of "art for art’s sake" and discuss ways that socio-cultural, political, and economic factors frame the contexts and dynamics of art production across the world. The role of artists in society and aesthetic creativity will also be examined from a cross-cultural perspective. Discussion begins with the arts of "traditional" societies drawing from examples from Africa, Oceania, Asia, and the Americas. The course will then examine how these arts have been impacted by colonialism, capitalism, and the emergence of new nation-states. Topics include: ethnic, tourist, and national arts, culture revitalization, issues of authenticity, and the emergence of a global art world with its power relations. Offered every three years (CGCL; CSOC)

ANTH 314 Women in Myth and Lore (3 credits)
Prerequisite: ANTH 100 or ANTH 110 or ANTH 111 or INTD 230 or consent of the instructor
This course will investigate females and the feminine in mythologies and folklore traditions cross-culturally. Native indigenous (African, Australian, South Pacific, Native American); classical (Greek, Egyptian, Roman); and Judeo-Christian mythologies will be analyzed, compared and contrasted. Students will explore mythology and story-telling traditions as they pertain to women and gender cross-culturally. Offered every other semester (CGCL; CSOC)

ANTH 315 Ethnic Experience in America (3 credits)
Prerequisite: ANTH 100 or SOCI 102 or consent of instructor
This course considers the role of ethnic background in personal and social relationships. The varying interpretations of ethnic culture—its formation and growth in America—are examined while each student looks into his or her personal heritage and the role of tradition in contemporary life. Either semester (CMCL; CSOC)

ANTH 319 Contemporary Native Americans (3 credits)
Prerequisite: ANTH 100 or ANTH 206 or consent of instructor
This course will explore the problems faced by native or indigenous peoples in the United States today. It will focus on issues of land, tribal recognition, poverty, treatment by government agencies and multi-national corporations and ethnic discrimination. It will also address the ongoing changes in native responses including the American Indian Movement, the revival of native spiritual life, and the problem/opportunity of casino gambling. Offered alternate years (CGCL; CMCL; CSOC)

ANTH 322 War, Peace and Culture (3 credits)
Prerequisite: Any 100 or 200 level anthropology course or consent of instructor
This course proceeds from the premise that while conflict of some sort is inevitable within and among human cultures, war is not. By investigating sources of conflict, violence, and conflict resolution strategies in a variety of cultures, the course creates an opportunity to study war, violence, and conflict cross-culturally – and the possibilities of peace. Offered alternate years, spring semester (CGCL; CMCL; CSOC)

ANTH 328 Archaeology of North America (3 credits)
Prerequisite: ANTH 103 or consent of the instructor
The development of prehistoric and proto-historic Native American cultures. Cultural dynamics of hunting-gathering and maize agriculture. Theories of the peopling of the continent will be evaluated. Offered alternate years, fall semester (CGCL; CSOC)
ANTH 330 Medical Anthropology (3 credits)
Prerequisite: Any 100 or 200 level anthropology course or consent of instructor
The course concentrates on health, illness and healing in cross-cultural perspective. It will examine ways in which culture mediates ideas of physical well-being, and will be aimed at dispelling belief in the absolute truth of medical dogma, teaching students to think outside their own cultural biases. It begins with a consideration of body image in a range of different cultures and then proceeds to the varying rationales for normal function and for dysfunction. The healing process as ritual and as scientific procedure, including the theory and practice of healing in different cultures, figures into the course as does the training and outlook of healers-doctors, priests, shamans, nurses, midwives, and others. Finally, the medical systems of several cultures, ancient and modern, industrialized and preindustrial, are compared. Offered alternate years (CGCL; CMCL; CSOC; CWRT)

ANTH 331 Political Anthropology (3 credits)
Prerequisite: ANTH 100 or consent of the instructor
This course examines political processes in state and "stateless" societies, focusing on the development of political forms in foraging, pastoral, agricultural and industrial societies, mainly in the developing world. The idea that "politics" exist as a set of practices tied to power that can be observed through anthropological methods will be addressed, along with the development of the subfield of political anthropology itself. Offered alternate years, fall semester (CGCL; CMCL; CSOC)

ANTH 332 Practicum in Field Archaeology (1-3 credits)
Prerequisite: ANTH 103 (may be taken concurrently) or ANTH 303 or consent of the instructor
This course provides experiential training in excavation techniques, field recording, and primary cataloging and analysis of archaeological materials. Offered fall semester

ANTH 340 Myths and Peoples of the Ancient Near East (3 credits)
Prerequisite: ANTH 100 or ANTH 110 or ANTH 111 or ANTH 307 or consent of instructor
This course will explore the dimensions of myth as they relate to the cultural life of the peoples of the Ancient Near East: the Egyptians, the Sumerians, the Babylonians and Assyrians, the Hittites, the Phoenicians and the Hebrews. Emphasis will be placed on understanding the context out of which the myths arose, and the ways in which they both described and conditioned the cultural realities to which they related. Offered every other year (CGCL; CSOC; CWRT)

ANTH 355 Anthropological Study Tour (3 credits)
(Country to be determined)
Prerequisite: Consent of the instructor
This course will offer students a first-hand, supervised cross-cultural travel and study experience from an anthropological perspective. Students will participate in lectures, site visits, research, and other academic experiences, including pre- and post-travel activities, as appropriate. Students will learn aspects of local society and culture, such as visual and performing arts, religious traditions, political organization, economy, subsistence activities, folklore, and family life. This course may be taken twice for anthropology credit, for travel to different study tour sites. Offered annually (CSOC)

ANTH 399 Special Topics in Anthropology (3 credits)
Prerequisite: Independent study
Various special topics of current interest in anthropology will be offered from time to time. Topics will be announced before pre-registration. May be taken more than once for different topics, but only six credits will be counted toward the first 30 hours of the anthropology major.

ANTH 400 Seminar: Anthropological Theory (3 credits)
Prerequisite: ANTH 100; and ANTH 101 or ANTH 103
This course is a survey of the foundations of cultural and archaeological theory, including cultural evolutionism, structuralism, American historical-particularism, British functionalism and structural-functionalism, French structuralism and current directions in American, European and Third World anthropological thought. Theories of archaeology will also be examined, including traditional evolutionary perspectives; the New Archaeology, and contemporary critiques, drawing upon social systems analysis. Every third semester (CWTRM)

ANTH 401 Research Methods in Anthropology (3 credits)
Prerequisite: ANTH 100; and either ANTH 101 or ANTH 103 or consent of the instructor
This course focuses on research methods used in anthropology. Students will be introduced to both qualitative and quantitative ethnographic data collection techniques. Qualitative research methods include observation, interviewing and text data analysis and report writing. Students will apply these research methods through a series of short field and written exercises.

ANTH 404 Seminar: Culture and Consciousness (3 credits)
Prerequisite: ANTH 100 or ANTH 110 or ANTH 111 or consent of instructor
This course is an introduction to the study of how consciousness, and particularly the idea of the unconscious, is construed and constructed in various cultural contexts. We will work towards an understanding of consciousness in cultural context as a means of understanding cultures at their deepest levels, including our own. An important component of the course will be class dreamwork sharing sessions. Offered alternate spring semesters (CGCL; CSOC; CWRT)

ANTH 405 Forensic Anthropology (3 credits)
Prerequisite: ANTH 101 or ANTH 103 or BIOL 100 or BIOL 121 or consent of instructor
This course will introduce students to the methods and approaches of the forensic anthropologist. Extensive time will be spent on becoming familiar with the human skeleton—the most important tool in forensic anthropology. In addition, the many legal and ethical issues that arise when working with human remains will be examined. This class will include lectures and discussion. Offered annually (CSOC)

ANTH/HIST 409 Mesoamerican Societies and Cultures (3 credits)
Prerequisite: ANTH 100 or ANTH 213
This course examines some of the major societies and

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Course Descriptions

culture areas in Mesoamerica (Mexico and Central America) from ten thousand years before present up to and through the early conquest period (the 16th century). Cultures to be examined include the Olmec, Teotihuacan, Toltecs, Aztecs and Maya. Issues of daily life, family, gender roles, religion, trade, warfare, politics, culture and reactions to conquest will be considered.

ANTH 410 Public Archaeology (3 credits)
Prerequisite: ANTH 103 and at least 2 credits in ANTH 332 or ANTH 303 or consent of the instructor
An introduction to public archaeology, its history of development. Emphasis will be placed on the basic knowledge and training necessary for careers in contract archaeology and cultural resource management: 1) to introduce students to the history of the development of public archaeology; 2) to study the federal, state, and local legislation protecting archaeological resources; 3) to provide administrative training for doing contract archaeology — contract and research proposal development, report writing, Environmental Impact Statement interpretation and to provide a basic background for cultural resource management careers. Offered alternate years, spring semester

ANTH 417 Seminar: She/He “Two Spirits” Gender Cross-Culturally (3 credits)
Prerequisite: ANTH 100 or INTD 230 or consent of instructor
This course introduces students to cross-cultural constructions of gender. Gender and sexuality are differentiated and students explore how gender is a cultural construct which varies cross-culturally. Students will explore a range of gender expressions, including homosexual males, lesbians, transgendered, bisexuals, and Native American Two Spirits. Issues of masculinity, femininity and alternate genders will be examined in Euro-American, Latin American, Asian, Native American and other cross-cultural settings. Offered alternate years (CGCL; CMCL; CSOC)

ANTH 420 Visual Anthropology (3 credits)
Prerequisite: ANTH 100 or consent of instructor
This course is grounded in interpretive and semiotic theories and examines the uses of images for cultural documentation, interpretation, and analysis. Students will examine the roles of objectivity, ideology, and perspective in the production and interpretation of visual images in motion and still photography. Emphasis will be on how visual images represent the cultural, vis-a-vis gender, social class, ethnicity and socio-cultural context. Offered alternate years

ANTH 426 Seminar: New England Ethnic and Regional Communities (3 credits)
Prerequisite: ANTH 100 or SOCI 102; and ANTH 315 or SOCI 315; or consent of instructor
This course will explore theories of ethnic persistence and change as they pertain to the New England's ethnic and social communities, such as Cape Verdeans, Asians, African Americans, Italians, Jews and homosexuals. Cultural traditions, social institutions, and changing beliefs of New England's ethnic and regional communities will be examined through critical analyses of relevant cultural materials, including sociological data, folklore, oral traditions, celebrations and the media. Offered every third year (CMCL; CSOC; CWRT)

ANTH 435 Seminar: Global Feminism (3 credits)
Prerequisite: One of the following: ANTH 100 or ANTH 204 or ANTH 208 or SOCI 102 or WMST 240; or consent of instructor
This course will explore the range and content of women's activism, agency and feminist consciousness-raising globally around a range of issues, including education, health care, sexual politics, political participation, the division of labor and labor force participation, self-determination and participation in local feminist movements. Students will explore women's feminism and activism globally, the relationship of local cultural practices to women's and feminist movements, and what women are doing to work as agents of self-empowerment and self-determination globally. Offered every third year (CGCL; CMCL; CSOC)

ANTH 485 Honors Thesis (3 credits)
Prerequisite: Admission to the Commonwealth and Departmental Honors and senior status
With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending on the scope of the project. The Departmental Honors Committee will determine if the final version of the thesis qualifies the student to graduate with Honors.

ANTH 498 Field Experience in Anthropology (3-15 credits)
Prerequisite: Consent of the department; minimum 2.5 GPA; formal application required
The field experience provides an opportunity for students to apply methods of fieldwork in ongoing societies, to design field studies, to learn methods for collection and analysis of empirical data, and to participate in experimental field projects.

ANTH 499 Directed Study in Anthropology (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

ANTH 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled “Independent or Directed Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

ANTH 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent or Directed Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ANTH 504 Archaeological Field Excavation (2-6 credits)
This course provides intensive training in the practical skills of field archaeology. Direction in site survey, excavation tactics and strategy, fieldwork supervision, methods of sampling and on-site analysis is given. The course includes an introduction to laboratory work. Topics such as cataloging, recognizing lithic materials, metric measurement and flotation of organic samples will be covered. This course is repeatable up to 9 credits. Yearly during summer.

ANTH 515 CD-ROM: Teaching in Diverse Classrooms
(4 credits)
This course will introduce classroom teachers to theories, ideas, and content that will enable them to be responsive to a multicultural classroom. The aim of this course is to impart knowledge and facilitate pedagogy that is multicultural, critical, and responsive to multicultural students and their communities. Students will learn about issues of power and difference both within school settings and the larger society. Students will become sensitive to issues of power, inequality, and cultural difference within the classroom and learn how to implement pedagogies that are culturally responsive.

ANTH 526 Cultural Resource Management (3 credits)
Prerequisite: ANTH 103 and ANTH 303 and ANTH 410 or equivalents
For graduate students seeking employment in the field of conservation archaeology. A detailed survey of the techniques and importance of cultural resource management, including archival research, field strategies, conservation of finds, report writing and archaeological legislation. Individual research papers will be assigned.

ANTH 555 Anthropology Study Tour (Country to be determined) (3 credits)
Prerequisite: Consent of the Instructor
This course will offer students a first-hand, supervised cross-cultural travel and study experience from an anthropological perspective. Students will participate in lectures, site visits, research, and other academic experiences, including pre- and post-travel activities, as appropriate. Students will learn aspects of local society and culture, such as visual and performing arts, religious traditions, political organization, economy, subsistence activities, folklore, and family life. This course may be taken twice for credit for travel to different study tour sites.

Other Approved Courses:
ANTH 306 Urban Anthropology
ANTH 332 Practicum in Field Archaeology
ANTH 425 Seminar: Problems of New England Archaeology
ANTH 560 Special Topics in Anthropology

ART (ARTH, ARTS)

ARTH 101 Introduction to Art (3 credits)
Emphasis on painting, sculpture, and architecture. Topics include aesthetic principles, artistic styles and their historical contexts, analysis of media and technical processes. A museum visit is assigned. Does not satisfy Art major elective. Either semester (CPFA; CGCL)

ARTH 102 Introduction to Architecture (3 credits)
Domestic, religious, commercial and governmental buildings throughout history are studied in terms of elements of style, systems and materials of architectural construction, and the symbolic and expressive qualities of buildings. Does not satisfy Art major elective. Either semester (CPFA; CGCL)

ARTH 135-136 Freshman Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Art allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or artistic project, which provides the major part of the grade. Topics vary from semester to semester. ARTH 135 Fall seminar, ARTH 136 Spring semester

ARTH 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ARTH 201 Ancient and Medieval Art and Architecture (3 credits)
Major developments in painting, sculpture and architecture are examined from the prehistoric through the late Gothic periods in the Mediterranean area and northern Europe. Emphasis is placed on the evolution of styles and their basis in the needs and values of each culture. A museum visit is assigned. Either semester (CPFA; CGCL)

ARTH 202 Renaissance and Baroque Art and Architecture (3 credits)
Major developments in painting, sculpture and architecture are examined from the Renaissance into the modern era in Europe and the United States. Stylistic analysis is integrated with an historical approach. A museum visit is assigned. Either semester (CPFA; CGCL)

ARTH 203 American Art and Architecture (3 credits)
Trends in architecture, painting, sculpture and crafts are surveyed prior to the first colonial settlements in America to the achievements of the present day. Included are vernacular, folk, and regional styles. A museum visit is assigned. Either semester (CPFA; CMCL)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
ARTH 205 Asian Art Survey: India, China and Japan (3 credits)
Major achievements in architecture, sculpture, pictorial arts and crafts of these three important cultures will be studied in their religious, historical and social contexts. Relationships will be made to other Asian and Euro-American art forms. A museum visit and project are assigned. (CFPA; CGCL; CMCL)

ARTH 207 Introduction to African Art (3 credits)
Traditional arts of sub-Saharan Africa will be examined in cultural context, including sculpture, masks, painting, pottery, textiles, architecture, and human adornment. Topics will cover how art is used to convey the cycle of life, to solve problems and to overcome adversity, with frequent comparisons to other cultures. The focus will be on the objects, with ethnographic material supplied to place the objects in the proper context. A museum or gallery visit is assigned. (CFPA; CGCL; CMCL)

ARTH 208 Survey of Islamic Art and Architecture (3 credits)
This course examines Islamic art, architecture and urbanism from its formation in the seventh century to the present in the Mediterranean region, the Near East and India. The first part of the course focuses on the creation and development of Islamic imperial artistic tradition in the seventh century and its regionalization through the 14th century. The second half of the course emphasizes the grand imperial traditions of the Ottomans, the Safavids and the Mughals and the subsequent effects of colonialization and Westernization. A museum visit is assigned. Fall semester

ARTH 211 Monuments as Cultural Symbols and Emblems of Power (3 credits)
This course examines monuments that were or are currently politically significant and stand as national cultural symbols. We will study modification of the contextual meaning of specific monuments through their history as they are adapted to new governmental and national dictates. Monuments such as the World Trade Center, the Bamiyan Buddhas in Afghanistan, the Dome of the Rock in Jerusalem and war memorials such as the Shaw Memorial on Boston Common, Memorial Hall at Harvard University, the Iwo Jima Memorial, the Vietnam War Monument and Saddam Hussein’s Monument in Baghdad will be covered. Offered every other year

ARTH 214 Art History Study Tour (3 or 6 credits)
A broad range of topics in the history of art is studied in museums and architectural sites in Europe. Preparatory class work is conducted on campus prior to travel; assignments and exams are completed upon return. This course may be taken twice with different itineraries and course topics for a maximum of 12 credits. Offered January intersession, spring break and summer (CFPA; CGCL; CMCL; CWRT)

ARTH 215 Themes in the Visual Arts (3 credits)
Works of art and/or architecture are examined from the perspective of a common theme, bringing together works by various artists from diverse backgrounds, cultures and historical periods. At the same time, students are introduced to the viewing and analysis of art, the development of personal style and message, and the technical means used to achieve an artist’s aim. This course may be repeated for different topics. Offered once every two years (CFPA)

ARTH 217 African-American Art (3 credits)
This course will focus on African-American art and architecture from 1619 to the present. Various modes of artistic expression will be covered, including painting, photography, sculpture, ceramics, and textiles. In addition, the aesthetic culture as well as the historical, social, and political contexts in which these arts were produced will be examined. Every two years (CFPA; CMCL)

ARTH 218 History of Photography (3 credits)
A historical survey of photography from its beginnings to the present. Formal aspects of photography as art will be examined as well as the theoretical and societal context. Offered once every two years (CFPA; CGCL; CMCL, CPSI)

ARTH 219 Meso-American Art and Architecture (3 credits)
This course will focus on Meso-American art and architecture from the Olmec to the Aztec. Various modes of artistic expression will be covered, including frescoes, metals, ceramics, sculpture and architecture. In addition, the cultural aesthetics as well as the historical, social and political contexts in which these arts were produced will be examined. Every two years (CFPA; CGCL)

ARTH 286-287 Sophomore Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at discretion of the instructor
Sophomore Honors Colloquia in Art allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for 50 minutes and culminate in a paper or artistic project, which provides the major part of the grade. Topics vary from semester to semester. ARTH 286 Fall semester, ARTH 287 Spring semester

ARTH 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite:...199; Open to all sophomores and Juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if...299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ARTH 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: _____199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ARTH 308 Women in the Visual Arts (3 credits)
This course will address the historical and contemporary perspectives of women artists, their contributions through traditional and nontraditional art forms, and will examine critically the extent to which this talent and art has not been fully recognized nor supported by various cultures and prevailing attitudes. Offered once every two years (CFPA; CMCL)

ARTH 309 Early Modern Art and Architecture (3 credits)
Major developments in painting, sculpture, and architecture are examined from 1850 to 1940. Attention is given to the theoretical foundations for these modern artistic movements as well as their stylistic distinctions. Offered each year

ARTH 310 Art and Architecture since 1940 (3 credits)
Prerequisite: ARTH 309
Major developments in painting, sculpture, architecture and other arts after 1940 are examined, with attention given to how they have reflected the cultural and social ideas and issues of our time. Consideration will be given as well to how the traditional forms and boundaries of the visual arts have been challenged and expanded through new mediums, technologies, and approaches to visual communication. Offered each year

ARTH 311 Orientalism (3 credits)
This course critically examines Orientalism as both a way the West views the East and as the East sometimes views itself. The focus will be on the visual arts—painting, photography, architecture and film, literature and music—and how they depict the "Orient" from the eighteenth century through the present. Emphasis will also be placed on how the East adopted the same mode of expression as a lens to view the Islamic world. The course emphasizes the Middle East but the Far East and India are also included in lecture, readings and assignments. Offered every other year (CFPA; CGCL; CMCL; CSP)

ARTH 338/339 Honors Tutorial in Art (3 credits each semester)
Prerequisite: Open to Commonwealth and Departmental Honors students; consent of the Departmental Honors Committee is required Special topics in art. Three hourly meetings weekly.

ARTH 414 Art History Study Tour (Advanced) (3 or 6 credits)
A broad range of topics in the history of art is studied in museums and architectural sites in Europe. Preparatory class work is conducted on campus prior to travel; assignments and exams are completed upon return. This course may be taken twice with different itineraries and course topics. * Offered January intersession, spring break and summer

ARTH 485 Honors Thesis in Art (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students; ARTH 338, and consent of the Departmental Honors Committee
One-hour weekly meetings with the thesis director will culminate in a thesis comprising both art works and a written corollary. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee, who will review the results as presented by the student.

ARTH 490 Art History Studies in Oxford (3 credits)
Prerequisite: Students will normally be expected to be in their junior or senior year
Select topics in art and architecture will range from studies of art movements and styles with a unique British character to luminaries in British art. Connections will be explored with art and architectural traditions in Europe and beyond. Primary sources such as the Ashmolean Museum in Oxford and the National Portrait Gallery in London will be visited. (This is a special summer program in England at Oxford University.)*

ARTH 499 Directed Study in Art History (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

ARTH 508 Women in the Visual Arts (3 credits)
This course will address the historical and contemporary perspectives of women artists, their contributions through traditional and nontraditional art forms, and will examine critically the extent to which this talent and art had not been fully recognized nor supported by various cultures and prevailing attitudes.

ARTH 509 Early Modern Art and Architecture (3 credits)
Major developments in painting, sculpture, and architecture are examined from 1850 to 1940. Attention given to the theoretical foundations for these modern artistic movements as well as their stylistic distinctions.

ARTH 510 Art and Architecture since 1940 (3 credits)
Major developments in painting, sculpture, architecture and other arts after 1940 are examined, with attention given to how they have reflected the cultural and social
Course Descriptions

ideas and issues of our time. Consideration will be given as well to how the traditional forms and boundaries of the visual arts have been challenged and expanded through new mediums, technologies, and approaches to visual communication.

Other Approved Courses:
ARTH 492 Topics in Art History

ART (ARTS, ARTH)

ARTS 104 Introduction to Digital Imaging and 4-D Design (3 credits)
Students develop technical, conceptual and aesthetic experience pertaining to the creation of two-dimensional digital artworks as well as artworks that engage with the fourth dimension of art: space and time. Students gain an introductory knowledge of several art and design software programs and related topics in the course area. Included are scanning, vector drawing, rastering and time-based digital and analog media.* (Formerly ARTS 265) (CFPA)

ARTS 125 Drawing I (3 credits)
Basic concepts of perspective, modeling in light and dark and contour drawing are explored through various media and techniques including pencil, pen and ink, ink wash and charcoal. Subjects may include the nude figure. Six hours per week.* Either semester (CFPA)

ARTS 130 Two-Dimensional Design (3 credits)
Fundamental elements and principles of two-dimensional design, including color, shape, line, texture, balance, space and the organization of these elements in a work of art are studied through studio exercises. Six hours per week.* Either semester (CFPA)

ARTS 135-136 Freshman Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquium in Art allows exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or artistic project, which provides the major part of the grade. Topics vary from semester to semester. ARTS 135 Fall semester, ARTS 136 Spring semester

ARTS 140 Three-Dimensional Design (3 credits)
Studio projects are concerned with the elements and composition of form and mass in three-dimensional space, including aspects of media, surfaces and dynamics of interacting forms and space. Six hours per week.* Either semester (CFPA)

ARTS 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ARTS 204 Time-based Art (3 credits)
This course is a project-based course that concentrates on the use of the fourth dimension – time. Time would be approached as an artistic element that can be molded and controlled expressively through the use of video and sound media. Conceptually, the course will revolve around contemporary critical issues, technology, cross-over web, video, sound and graphic software. * Offered every other semester (CFPA)

ARTS 205 Three Dimensional Modeling and Animation (3 credits)
Prerequisite: ARTS 130 or consent of instructor
The aesthetics, theory, context and methods of three-dimensional imaging will be expressed in creative digital environments. Technique and software will be covered as appropriate to assigned and student initiated work. This course will consist of studio, lecture and readings. Six hours per week.* Offered every third semester

ARTS 216 Photography I (3 credits)
This course examines the historical foundations of photography and the fundamentals of photographic techniques such as lenses, lighting, filters and exposure. Through regular shooting assignments in black and white, students develop an ability to appreciate photographic technology and visual aesthetics by making and appraising their own photographs. Students must have access to an adjustable 35mm SLR camera. A gallery/museum visit is assigned. * Either semester

ARTS 217 Digital Photography I (3 credits)
Prerequisite: ARTS 216 or consent of instructor
Students will learn the basics of taking still pictures with a professional digital single reflex camera while learning about the technologies that make digital photography possible. Creative shooting, editing and image manipulation techniques will be used in projects that express a unique vision with the goal of developing a deeper conceptual complexity in the artworks. Students will use image-processing software. Cameras will be provided for the duration of the course. * Offered every other semester

ARTS 219 Topics in Photography (3 credits)
Prerequisite: Consent of instructor
Topics of current or special interest in photography will be addressed in this course at the beginner or intermediate level. Prior to registration, the special topic will be announced. This course may be repeated for different topics. Six hours per week.*

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ARTS 225 Drawing II (3 credits)
Prerequisite: ARTS 125 or consent of the instructor
Advanced study of drawing style and technique with emphasis on the human figure including the nude model. Six hours per week. * Either semester

ARTS 230 Painting I (3 credits)
Prerequisite: ARTS 125 and ARTS 130 or consent of the instructor
Basic skills, picture organization, and painting techniques applied to assigned problems. Field trips to museums and galleries. Six hours per week. * Either semester

ARTS 240 Sculpture I (3 credits)
Prerequisite: ARTS 140 or consent of the instructor
Design experimentation with traditional and new problems in a wide range of media. Six hours per week. * Either semester

ARTS 255 Printmaking I (3 credits)
Prerequisite: ARTS 125 and ARTS 130 or consent of the instructor
A basic introduction to the fundamentals of the various printmaking processes intaglio, lithography, silkscreen, and relief. Six hours per week. * Either semester

ARTS 260 Graphic Design I (3 credits)
Prerequisite: ARTS 104 and ARTS 130; or consent of instructor
This course introduces the concepts and design principles of typography, page layout, and the relationship between type and image. Students will develop graphic design skills through a series of course projects. Both traditional and digital media will be used. * Either semester

ARTS 267 Web Art I (3 credits)
This course introduces basic techniques of Web production such as research on prices for Web domain names, internet service providers, permissions, preparation of text, photo images, video, sound and writing basic XHTML code.

ARTS 270 Ceramics I (3 credits)
Introduction to materials and techniques including handbuilding, decorating and firing. Six hours per week. * Either semester

ARTS 273 Glass I (3 credits)
Prerequisite: ARTS 130 or consent of the instructor
An exploration of the technical, traditional and contemporary, and aesthetic possibilities of glass: copper foil, lead came work, fusing, slumping and enamels. Six hours per week. * Either semester

ARTS 280 Metals I (3 credits)
Prerequisite: ARTS 140 or consent of the instructor
Basic design, construction, and forming techniques. Jewelry, constructed forms, sculpture. Six hours per week. * Either semester

ARTS 286-287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Sophomore Honors Colloquium in Art allow exception-
ally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or artistic project, which provides the major part of the grade. Topics vary from semester to semester. * ARTS 286 Fall semester; ARTS 287 Spring semester

ARTS 290 Weaving I (3 credits)
Introduction to traditional and contemporary weaving and related techniques. Assigned projects stress the aesthetic combined with the technical considerations of fiberwork. Six hours per week. * Either semester

ARTS 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ______199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ______299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ARTS 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ______199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ______298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ARTS 301 Web Art II (3 credits)
Prerequisite: ARTS 267
This course focuses on the screen-based presentation of visual information. Students will design and produce a Web site. Emphasis is upon the design and implementation of nonlinear visual presentations. The use of text, animation, sound and graphic imagery will be addressed. Contrasts and comparisons between screen-based and print-based presentation of visual information will be discussed, as will contrasts and comparisons between Web site and CD Rom

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
design and production.* Offered once yearly (Formerly ARTS 367)

ARTS 316 Photography II (3 credits)
Prerequisite: ARTS 104 and ARTS 130 and ARTS 216 or consent of the instructor
This course further develops knowledge and skills in photography at an intermediate level. The emphasis is placed on aesthetic and conceptual development as well as precise technical control over film-based photography.
Students work to develop a portfolio of thematic and expressive works in reaction to concepts and themes covered in the course. Studio lighting, flash photography, zone system, fine printing and archival fiber paper and print matting is covered. Students will need an adjustable manual film camera and a gray card. A tripod and cable release are suggested. * Either semester

ARTS 317 Digital Photography II (3 credits)
Prerequisite: ARTS 217 or consent of the instructor
Students will develop a conceptual complexity in their artworks through a combination of projects that simulate various genres of commercial photography and assignments focused on art making through personal expression. Students enrolled in this course will further their knowledge of shooting still pictures with a professional digital single lens reflex camera and learn to use studio lighting techniques for digital photography in commercial and artistic applications. Digital image manipulation will also be covered. The college provides the cameras for the duration of the course on a lending basis.* Offered every other semester

ARTS 319 Field Experience in Photography (3 credits)
Prerequisite: ARTS 216 and consent of the instructor
This course focuses on location shooting. Through regular shooting assignments that emphasize concepts, visual aesthetics and visual communication, students will be introduced to various location-specific genres of fine art and commercial photography. Students will study the works and careers of fine art and commercial photographers who make their art and/or their living by shooting on location. Topics covered include camera filters, precise light measurement and exposure on and off-camera flash photography, commercial photography practices and use of supplemental lighting and accessories to get the best images on location. Frequent field trips and regular critiques are part of the course. The class does not focus on darkroom instruction although students may use the college darkroom. Students must have access to an adjustable manual camera, a tripod, a cable release and a gray card. A hand held light meter is recommended. Six hours per week.* Either semester

ARTS 325 Advanced Drawing (3 credits)
Prerequisite: ARTS 225 or consent of the instructor
Advanced projects will be undertaken in chosen media under direct supervision of a faculty member. This course may be taken three times. Six hours per week. * Either semester

ARTS 330 Painting II (3 credits)
Prerequisite: ARTS 230 or consent of the instructor
Advanced projects will be planned according to the individual's stylistic development. Six hours per week.* Either semester

ARTS 338-339 Honors Tutorial in Art (3 credits each semester)
Prerequisite: Open to Commonwealth and Departmental Honors students; consent of the Departmental Honors Committee is required
Special topics in art. Three hourly meetings weekly.*

ARTS 340 Sculpture II (3 credits)
Prerequisite: ARTS 240 or consent of the instructor
Advanced projects in design and media. Six hours per week. * Either semester

ARTS 355 Printmaking II (3 credits)
Prerequisite: ARTS 255
A further development of skills and aesthetic approaches in printmaking beyond introductory level will be covered, using a range of media and techniques.*

ARTS 360 Business Issues for Visual Artists (3 credits)
The business and professional side of art and the pursuit and management of a career in art. A study of galleries, museums and commercial art fields dealing with aspects of exhibiting and selling work and the development of relevant business skills. Includes field trips and guest speakers. Six hours per week. Spring semester

ARTS 361 Graphic Design II (3 credits)
Prerequisite: ARTS 260
A more advanced study of graphics, typography, and layout design. Emphasizing the integration of typography and visual imagery to specific assignments. Six hours per week. * Offered once each year

ARTS 362 Graphic Design III (3 credits)
Prerequisite: ARTS 361
Advanced study in design. Dealing with the integration of illustration, design and typography to specific projects the designer could be expected to work in a studio, agency or in-house design situation. Two- and three-dimensional areas are explored. Six hours per week. * Offered once each year

ARTS 370 Ceramics II (3 credits)
Prerequisite: ARTS 270
This course is an introduction to ceramic materials and techniques using the potter's wheel, as well as decorating and firing. Six hours per week. * Either semester

ARTS 371 Ceramics III (3 credits)
Prerequisite: ARTS 370 or consent of the instructor
Advanced projects will be undertaken in either hand building or wheel work under the direct supervision of a faculty member. Six hours per week. * Either semester

ARTS 373 Glass II (3 credits)
Prerequisite: ARTS 273
Projects will be undertaken under direct supervision of a faculty member to develop techniques included in Glass I, with the addition of slumping, casting and sand blasting. Six hours per week. * Offered once each year

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ARTS 380 Metal Design II (3 credits)
Prerequisite: ARTS 280 or consent of the instructor
Advanced problems and techniques. Six hours per week.* Either semester

ARTS 381 Metals III (3 credits)
Prerequisite: ARTS 380 or consent of the instructor
Specialized techniques for the design and creation of jewelry in precious metals, and experimental construction techniques with these metals. Six hours per week. * Either semester

ARTS 390 Weaving II (3 credits)
Prerequisite: ARTS 290 or consent of the instructor
Advanced problems and techniques. Six hours per week. * Either semester

ARTS 403 Advanced Web Art (3 credits)
Prerequisite: ARTS 301
This is a project based web art course that focuses on web innovation and net vision. Students will work in an innovative/critical manner, generating projects based on conceptual and political implications of information control systems. Projects may address but are not limited to issues of identity, privacy, autonomy, and dehumanization. Technically the approach can range from XHTML to action scripting techniques. This course may be taken multiple times for credit.* Alternate semesters

ARTS 416 Advanced Photography (3 credits)
Prerequisite: ARTS 315 or consent of the instructor; ARTS 217 is strongly recommended
This course continues the study of photography at the advanced level. The emphasis is placed on aesthetic and conceptual development for the creation of a significant portfolio of photo-based artworks. Students further develop skills in fine darkroom printing, studio and location lighting and professional presentation of their artworks. Students make works in reaction to concepts and themes studied in the course and develop a thematic body of work on a self-directed theme. Additional advanced topics may be covered and vary by semester according to the choice of the professor and the interests of the students in the course. The student will need an adjustable film camera and gray card. A tripod and handheld light meter is recommended. This course may be repeated three times for credit. Six hours per week. * Either semester

ARTS 418 Topics in Photography (3 credits)
Topics of current or special interest in photography will be offered. Special topics will be announced prior to registration. This course may be repeated for different topics. Six hours per week. * Either semester

ARTS 430 Advanced Painting (3 credits)
Prerequisite: ARTS 330, or consent of the instructor
Advanced projects will be undertaken in chosen concepts and media under the direct supervision of the instructor. This course may be repeated for additional credit to further develop skills and conceptual approaches. Six hours per week. *

ARTS 440 Advanced Sculpture (3 credits)
Prerequisite: ARTS 340, or consent of the instructor
Advanced projects will be undertaken in chosen concepts and media under the direct supervision of the instructor. This course may be repeated for additional credit to further develop skills and conceptual approaches. Six hours per week.*

ARTS 450 Advanced Printmaking (3 credits)
Prerequisite: ARTS 355 or consent of the instructor
Advanced projects will be undertaken in chosen media and content. This course may be taken three times. Six hours per week. * Either semester

ARTS 460 Advanced Graphics (3 credits)
Prerequisite: ARTS 362
This course examines the application of graphic design and its visual communication to the current problems and emphasizes the study and recognition of contemporary trends in design, color and visual images as viable means to projects assigned. Two- and three-dimensional areas are explored, as well as the use of multimedia techniques to project conceptual ideas. Six hours per week. This course may be taken three times for credit. * Offered when needed by a number of students in upper levels

ARTS 463 Projects in Graphic Design (3 credits)
Prerequisite: ARTS 361
This course examines the application of graphic design and its visual communication to current problems, and emphasizes the study and recognition of contemporary trends in design, color and visual images as viable means. Six hours per week. This course may be taken three times for different topics.*

ARTS 470 Advanced Ceramics (3 credits)
Prerequisite: ARTS 371 or consent of the instructor
Advanced projects will be undertaken in either hand building or wheel work under direct supervision of a faculty member. This course may be taken three times for credit. Six hours per week. * Either semester

ARTS 473 Advanced Glass (3 credits)
Prerequisite: ARTS 373
Advanced projects will be undertaken in chosen techniques under direct supervision of a faculty member. This course may be taken three times. Six hours per week. * Offered once each year

ARTS 480 Advanced Metals (3 credits)
Prerequisite: ARTS 381 or consent of the instructor
Advanced projects will be undertaken in chosen media under direct supervision of a faculty member. This course may be taken three times. Six hours per week. * Either semester

ARTS 485 Honors Thesis in Art (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students; ARTS 338 and consent of the Departmental Honors Committee
One-hour weekly meetings with the thesis director will culminate in a thesis comprising both art works and a written corollary. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to

*Additional fee required
†May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
graduate with honors will be determined by the Departmental Honors Committee, who will review the results as presented by the student.

**ARTS 490 Advanced Weaving (3 credits)**
Prerequisite: ARTS 390 or consent of the instructor
Advanced projects will be undertaken in chosen concepts and media under the direct supervision of the instructor. This course may be repeated for additional credit to further develop skills and conceptual approaches. Six hours per week.

**ARTS 492 Topics in Art (3 credits)**
Prerequisite: Consent of the instructor
Topics of limited or special interest in art education or studio art. Specific topics to be announced prior to registration. Course may be repeated for different topics.* Either semester

**ARTS 498 Internship in Art (3-15 credits)**
Prerequisite: Consent of the department chairperson; formal application required
A non-classroom experience designed for a limited number of junior and senior majors to complement their academic preparation. Either semester

**ARTS 499 Directed Study in Art (1-3 credits)**
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

**ARTS 502 Research (credit to be arranged)**
Prerequisite: Consent of department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

**ARTS 503 Directed Study (credit to be arranged)**
Prerequisite: Consent of department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

**ARTS 518 Photography Techniques (3 credits)**
Prerequisite: ARTS 216 and consent of the instructor
The student will acquire and practice advanced photography skills. Techniques such as proper print finishing, print toning, preparation of black and white and color slides, use of the copy stand and the fundamentals of color printing are included. This course is recommended for only those students who have taken a basic photography course or its equivalent. Six hours per week.

**ARTS 519 Photography Techniques (3 credits)**
Prerequisite: ARTS 216 and consent of the instructor
During the semester, students will be taken on a series

*Additional fee required
†May be taken for graduate level credit

of field trips. While on location, the instructor will assist students in determining good composition, solving problems related to light measurement and determining correct exposure under a variety of conditions. Emphasis will be placed on regular shooting assignments in the field and critiques, which will be held on campus or at a suitable off-campus location. Students must have access to an adjustable camera, a tripod, a cable release and a gray card. Although not necessary, it is desirable for students to have a hand-held light meter.*

**ARTS 525 Graduate Drawing (3 credits)**
Prerequisite: Six credits in drawing or consent of the instructor
Graduate level course work presumes an established level of proficiency in depicting the human figure as well as a comprehensive understanding of the full range of drawing materials and processes, to include mixed media. Course activities, as they often are combined with Drawing II, may frequently involve the human form as a starting point for expanding activity toward the development of a personal style. Nurturing a unique style that respects both idealational and observational concepts is a primary focus within this course. Every effort will be made to connect to style of drawing, past or present, as well as to luminaries within each (e.g. field trips, library research and, whenever possible, studio visits). This course may be repeated for up to three times for credit.* Either semester

**ARTS 530 Graduate Painting (3 credits)**
Prerequisite: Six credits in painting or consent of the instructor
In the classroom environment, students will move toward individual imagery development including exploration of new media and techniques as appropriate and supported by regular critiques by the instructor. Six hours per week. This course may be repeated for up to three times for credit.* Either semester

**ARTS 540 Graduate Sculpture (3 credits)**
Prerequisite: Six credits in sculpture or consent of the instructor
A course designed to challenge the student’s grasp of the function and form and its expressive potential through the study of pure form and forms in nature. The materials used are clay, plaster, wood and metal. This course may be repeated up to three times for credit. Six hours per week.* Either semester

**ARTS 550 Graduate Printmaking (3 credits)**
Prerequisite: Six credits in printmaking or consent of the instructor
Printmaking for those with previous experience. Course objectives and requirements will be planned on the basis of the individual student’s interests and background. This course may be repeated up to three times for credit. Six hours per week. *Either semester

**ARTS 562 Graphic Design III (3 credits)**
Prerequisite: ARTS 361
Advanced study in design. Dealing with the integration of illustration, design and typography to specific projects the designer could be expected to work in a studio, agency or in-house design situation. Two and three-dimensional areas are explored. This course may be repeated for up to three times for credit. Six hours per week.*

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*Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
*Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda as that information supersedes the published version of this catalog.
ARTS 563 Advanced Graphic Design (3 credits)
Prerequisite: ARTS 362
This course examines the application of graphic design and its visual communication to the current problems, and emphasizes the study and recognition of contemporary trends in design, color and visual images as viable means to projects assigned. Two- and three-dimensional areas are explored, as well as the use of multimedia techniques to project conceptual ideas. This course may be repeated for up to three times for credit. Six hours per week.*

ARTS 570 Graduate Ceramics (3 credits)
Prerequisite: Six credits in ceramics or consent of the instructor
Work in wheel-throwing, hand-building, sculptural ceramics, clay technology, glaze chemistry or studio management in an individualized program depending upon the student's previous course work, abilities and interests. This course may be repeated for up to three times for credit. Six hours per week.* Either semester

ARTS 573 Graduate Glass (3 credits)
Prerequisite: ARTS 473
A course in glass for those with previous experience. Advanced projects will be undertaken in chosen techniques under direct supervision of a faculty member. This course may be repeated for up to three times for credit. Six hours per week. * Offered once each year

ARTS 580 Graduate Metals (3 credits)
Prerequisite: Six credits in metals or consent of the instructor
Work in surface embellishment, construction, casting and forming of non-ferrous metals. Emphasis on experimenta- tion with new technology, materials and techniques. This course may be repeated for up to three times for credit. Six hours per week. * Either semester

ARTS 590 Graduate Weaving (3 credits)
Prerequisite: Six credits in weaving or consent of the instructor
Advanced work in fiber planned in accordance with the student's prior course work and experience. Emphasis given to thorough exploration of color, design and fiber selection in the execution of technically ambitious projects. Areas of study may include rug weaving, eight-harness double weaves, sculptural weaving and tapestry. This course may be repeated for up to three times for credit. Six hours per week.*

Other Approved Courses:
ARTS 235 Watercolor Painting I
ARTS 318 Photography Techniques
ARTS 335 Watercolor Painting II
ARTS 365 Computer Generated Illustration
ARTS 366 Publication Design
ARTS 435 Advanced Watercolor Painting
ARTS 514 Art History Study Tour (Advanced)
ARTS 519 Field Experience in Photography
ARTS 535 Graduate Watercolor Painting

ATHLETIC TRAINING (ATTR)

ATTR 100 Athletic Taping and Bracing (1 credit)
This laboratory course is designed for students who wish to apply to the Athletic Training Education Program (ATEP). Content will include basic athletic taping and bracing techniques commonly used to prevent athletic related injuries in the physically active population. Students will be expected to complete specific taping and bracing techniques at a competent level prior to being accepted into the athletic training education program. Offered once each semester

ATTR 112 Sports First Aid (3 credits)
This class is designed for individuals working with physically active people to provide instruction in, and application of, emergency first aid treatment for sports related injuries and conditions. Guidelines for injury prevention will be discussed. Upon successful completion of this course students will be certified in CPR/AED for the Professional Rescuer, Standard First Aid, and Bloodborne Pathogens in accordance with the requirements of the American Red Cross. Two hours of lecture; two hours of laboratory weekly.

ATTR 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ATTR 240 Introduction to Athletic Training (3 credits)
Prerequisite: PHED 100
Introduces the physical education major into the field of athletic training including the role of the coach and athletic trainer in providing sports injury management, taping and use of immobilization devices, basic injury evaluation and rehabilitation principles. Two-hour lecture and two hours laboratory.

ATTR 241 Apprenticeship in Athletic Training (3 credits)
Prerequisite: Consent of the coordinator of the athletic training concentration
Introduces the athletic training student into the clinical aspect of the athletic training profession. Clinical hours working with the intercollegiate teams will be supplemented by bi-monthly seminars on issues and skills associated with the professional development of the athletic trainer.

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

ATTR 298 Second Year Seminar (Speaking Intensive)  
(3 credits)  
Prerequisite: ____199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____299 is taken for credit. 
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ATTR 299 Second Year Seminar (Writing Intensive)  
(3 credits)  
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____298 is taken for credit. 
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ATTR 340 Sports Injury Management – Lower Extremity  
(3 credits)  
Prerequisite: ATTR 240 and BIOL 252 
This course is an intensive study into the assessment techniques utilized in the evaluation of athletic injuries and illnesses occurring to the lower extremity. Students must be able to apply and demonstrate evaluative skills and knowledge of joint and musculoskeletal anatomy related to the pathology and management of specific injuries and conditions associated with the lower extremity. Two hours of lecture and one two-hour laboratory weekly.

ATTR 341 Sports Injury Management – Upper Extremity (3 credits)  
Prerequisite: ATTR 240 
This course is an intensive study into the assessment techniques utilized in the evaluation of athletic injuries and illnesses occurring to the upper extremity and torso. Students must be able to apply and demonstrate evaluative skills and knowledge of joint and musculoskeletal anatomy related to the pathology and management of specific injuries and conditions associated with the upper extremity and torso. Two hours of lecture and one two-hour laboratory weekly.

ATTR 342 Clinical Application of Basic Athletic Training Skills (3 credits)  
Prerequisite: ATTR 241 
Clinical application of the skills and techniques used in the athletic training profession. The clinical experience will be enhanced with regular seminars on issues and topics pertinent to the profession.

ATTR 343 Clinical Application of Intermediate Athletic Training Skills (3 credits)  
Prerequisite: ATTR 342 
Clinical application of the skills and techniques used in the athletic training profession. The clinical experience will be enhanced with regular seminars on issues and topics pertinent to the profession.

ATTR 410 Nutritional Concepts for Health Care Practitioners (3 credits)  
This course will provide an overview of nutrition principles and strategies for the health care practitioner. Students will learn and apply the techniques required to compete a nutrition assessment and they will explore various nutrition issues that confront the health care practitioner.

ATTR 442 Therapeutic Exercise (3 credits)  
Prerequisite: Must be accepted in curriculum program or by consent of the program director 
Comprehensive analysis of therapeutic exercise in a sports medicine environment. Topics discussed include the healing process and pathophysiology of a musculoskeletal injury, goals of rehabilitation, flexibility and strength training methods and protocol, aquatic therapy, pharmacological considerations, psychological considerations and specific rehabilitation techniques for the various body segments. Course includes a two-hour lecture and a two-hour laboratory session.

ATTR 443 Pharmacology for the Physically Active (1.5 credits)  
This course is designed to provide the students with an overview of pharmacology and how it relates to the physically active individual. Therapeutic medications, supplements, performance enhancing drugs and drug testing protocols will be discussed. Offered alternate years.

ATTR 446 Medical Conditions and Disabilities of the Physically Active (1.5 credits)  
This course will provide the knowledge, skills, and values that an entry-level athletic trainer must possess to recognize, treat, and refer, when appropriate, general medical conditions and disabilities seen in athletes and others involved in physical activity.

ATTR 450 Therapeutic Modalities (3 credits)  
Prerequisite: ATTR 240 
This course will introduce the athletic training student to therapeutic modalities used in sports medicine. A one-hour lecture and two-hour laboratory will provide practical application of clinical skills including indications, contraindication and record keeping associated with patient care.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.  
Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/ addenda/ as that information supersedes the published version of this catalog.
**ATTR 454 Clinical Application of Advanced Athletic Training Skills (3 credits)**
*Prerequisite: ATTR 343*
Clinical application of the skills and techniques used in the athletic training profession. The clinical experience will be enhanced with regular seminars on issues and topics pertinent to the professional.

**ATTR 455 Professional Preparation in Athletic Training (3 credits)**
*Prerequisite: ATTR 454*
Clinical application of the skills and techniques used in the athletic training profession. The clinical experience will be enhanced with regular seminars on issues and topics pertinent to the professional.

**ATTR 490 Administration of Athletic Training (3 credits)**
*Prerequisite: ATTR 240 or equivalent*
Study of various administrative topics confronting an athletic trainer in the management of a sports medicine facility including program management, human resource management, financial management, facility design and planning, informational management, insurance and legal considerations in sports medicine. Offered alternate years

**ATTR 510 Nutritional Concepts for Health Care Practitioners (3 credits)**
This course will provide an overview of nutritional principles and strategies for the health care practitioner. Students will learn and apply the techniques required to complete a nutritional assessment and they will explore various nutritional issues that confront their clients across the lifespan.

**ATTR/PHED 511 Research Methods in Physical Education (3 credits)**
This course will develop competencies needed to both produce and consume research in physical education and allied areas. In the development of a research proposal, students will gain an understanding of such research techniques as problem formulation, literature review, sampling, hypothesis construction, research design, instrumentation and data analysis. *Fall only*

**ATTR 540 Management of Lower Extremity Conditions (3 credits)**
*Prerequisite: Acceptance into the Athletic Training Program*
The course will focus on a critical analysis of sport-related injuries and conditions that may affect the lower extremity in physically active individuals. The application of joint and musculoskeletal anatomy will be utilized to assess the various joints and body regions of the upper extremity and torso to determine the appropriate management of these sport-related conditions. Two hours of lecture, two hours of laboratory.

**ATTR 541 Management of Upper Extremity and Torso Conditions (3 credits)**
*Prerequisite: ATTR 540*
The course will focus on a critical analysis of sport-related injuries and conditions that may affect the upper extremity and torso in physically active individuals. The application of joint and musculoskeletal anatomy will be utilized to assess the various joints and body regions of the upper extremity and torso to determine the appropriate management of these sport-related conditions. Two hours of lecture, two hours of laboratory.

**ATTR 542 Therapeutic Exercise (3 credits)**
*Prerequisite: Acceptance into the Athletic Training Program*
Comprehensive analysis of therapeutic exercise in a sports medicine environment. Topics discussed include the healing process and pathophysiology of a musculoskeletal injury, goals of rehabilitation, flexibility and strength training methods and protocol, aquatic therapy, pharmaceutical considerations during rehabilitation, psychological considerations, and specific rehabilitation techniques for the various body segments. Two hour lecture and two hour laboratory.

**ATTR 543 Pharmacology for the Physically Active (1.5 credits)**
This course is designed to provide the student with an overview of pharmacology and how it relates to the physically active individual. Therapeutic medications, supplements, performance enhancing drugs and drug testing protocols will be discussed.

**ATTR/PHED 546 Medical Conditions and Disabilities of the Physically Active (1.5 credits)**
This course will provide the knowledge, skills, and values that an entry-level athletic trainer must possess to recognize, treat and refer, when appropriate, general medical conditions and disabilities seen in athletes and others involved in physical activity.

**ATTR/PHED 546 Applied Biomechanics and Movement Analysis (3 credits)**
This course provides students with a knowledge and understanding of the mechanical concepts underlying performance of motor skills. Focus is on analytic techniques, which allow students to analyze skills and effectively consume complex skill analyses conducted by others. *Fall semester, alternate years*

**ATTR 550 Therapeutic Modalities (3 credits)**
*Prerequisite: Acceptance into the Athletic Training Program*
This course will focus on the relationship of the electromagnetic and acoustic spectra, the principles of electricity, and non-mechanical modalities in the treatment of sports-related injuries and conditions. A two-hour lecture and two hour laboratory session will provide an opportunity for students to learn the indications, contraindications, application protocols, and record keeping associated with patient care.

**ATTR 561 Level I Clinical Experience in Athletic Training (3 credits)**
*Prerequisite: Consent of Athletic Training Program Director*
This clinical class will introduce the athletic training student to the clinical aspect of the athletic training profession. Observational hours will focus on the traditional athletic training work environment and will be augmented with an intensive seminar on basic practices necessary to become a successful athletic trainer.

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*May be taken for graduate level credit*
ATTR 562 Level II Clinical Experience in Athletic Training (3 credits)
Prerequisite: ATTR 561
This clinical class will introduce the athletic training student to basic and intermediate skills and techniques used in the athletic training profession. Through appropriate clinical rotations, students will learn competencies under the direction of a certified athletic trainer. The experience will be augmented with regular seminars on issues and topics pertinent to the entry-level professional.

ATTR 563 Level III Clinical Experience in Athletic Training (3 credits)
Prerequisite: ATTR 562
This clinical class will introduce the athletic training student to intermediate and advanced skills and techniques used in the athletic training profession. Through appropriate clinical rotations, students will learn clinical competencies under the direction of a certified athletic trainer. The experience will be augmented with regular seminars on issues and topics pertinent to the entry-level professional.

ATTR 564 Level IV Clinical Experience in Athletic Training (3 credits)
Prerequisite: ATTR 563
This clinical class will focus on the learning over time process of demonstrating competence in the cognitive, psychomotor, and affective domains in athletic training. Under the direction of a certified athletic trainer, students will begin to demonstrate mastery of specific competencies. The experience will be augmented with regular seminars on issues and topics pertinent to the entry-level professional.

ATTR 565 Level V Clinical Experience in Athletic Training (3 credits)
Prerequisite: ATTR 564
This clinical class will culminate the learning over time process of demonstrating competence in the cognitive, psychomotor, and affective domains in athletic training. The clinical experience will be enhanced with seminars pertinent to the entry-level professional.

ATTR 590 Administration in Athletic Training (3 credits)
Study of various topics involved in the management of an athletic training facility including program management, human resource management, financial management, facility design and planning, informational management, public relations, insurance, and legal considerations in athletic training. Standards and practices of the athletic training profession will also be discussed. These experiences are developed through lectures, demonstrations, and discussions with professionals in the field including athletic trainers, physicians, physician assistants, and lawyers. Offered alternate years.

AVIATION SCIENCE (AVSC)

AVSC 100 Private Pilot Flight (3 credits)
Prerequisite: AVSC 105 which may be taken concurrently
This course consists of flight instruction and ground tutorialing, aircraft systems, flight planning, solo and cross-country flight, flight maneuvers, VFR navigation, introduction to night flight, and emergency operations. The Private Pilot Flight course prepares the student for the FAA Private Pilot Certificate.*

AVSC 105 Private Pilot Ground School (6 credits)
Topics include basic performance and aerodynamics of the airplane, airplane structure and systems, flight control and instruments, weight and balance, airports, communications, air traffic control, meteorology and Federal Aviation Regulations. Aeronautical charts, airspace, radio navigation including VOR, DME, ADF, radar and transponders A.I.M. are considered, as well as use of the flight computer, cross-country flight planning and medical factors of flight. Students who meet Federal Aviation Administration (FAA) requirements will be qualified to take the FAA written examination. Either semester

AVSC 135/136 Freshman Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Aviation will allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. Topics vary from semester to semester.

AVSC 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse, and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

AVSC 200 Instrument Flight (4 credits)
Prerequisite: AVSC 100; and AVSC 212 which may be taken concurrently
A review and practice of basic, advanced and precision flight maneuvers. Concentrated instrument flight instruction including IFR navigation. An emphasis on aircraft control, IFR flight planning, departure, enroute, holding and arrival procedures, instrument approaches, IFR procedures and regulations.*

AVSC 211 Commercial Pilot Ground School (3 credits)
Prerequisite: AVSC 200 and AVSC 212
Subject matter involves advanced treatment of the airplane systems, performance and control, the National Airspace System, Federal Aviation Regulations, meteorology, radio navigation and the physiology of flight.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

Students who meet Federal Aviation Administration (FAA) requirements will be qualified to take the FAA written examination. Either semester

AVSC 212 Instrument Pilot Ground School (3 credits)
Prerequisite: AVSC 100 and AVSC 105
Topics include discussion of aircraft environmental control systems and commercial flight planning, study of instrument flight charts, IFR departure, enroute and approach procedures. FARs, IFR Flight Planning. Students who meet Federal Aviation Administration (FAA) requirements will be qualified to take the FAA written examination. Either semester

AVSC 215 Single Engine Flight Simulator Instruction
(1-3 credits)
Prerequisite: AVSC 105 or consent of the instructor
Single engine flight simulation instruction is conducted with the use of a flight simulator. The course content will be determined in accordance with the flight experience of the student. A student must enroll for a minimum of one credit. The course may be repeated for a maximum of three credits. (Fifteen hours of instruction are required for one credit.) Either semester

AVSC 217 Air Traffic Control (3 credits)
Prerequisite: AVSC 105 and AVSC 100 both of which may be taken concurrently
This course deals with the U.S. air traffic and airway system as it exists today. Topics of discussion will include: components of the system; air route traffic control centers; towers; flight service stations; navigational aids; and the low/high altitude Federal airway structure. Spring semester

AVSC 286/287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Open to all Commonwealth Honors students and to others at the discretion of the instructor
Sophomore Honors Colloquia in Aviation will allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. Topics vary from semester to semester.

AVSC 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: ____ 193; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____ 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

AVSC 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: ____ 193; Open to all sophomores and juniors who have completed ENGL 101, and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____ 299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

AVSC 300 Commercial Flight (4 credits)
Prerequisite: AVSC 200; and AVSC 211, which may be taken concurrently
Lessons include a review of basic flight maneuvers, as well as concentrated instruction and solo proficiency practice in precision flight maneuvers. Introduction to flight in complex aircraft, experience in night and cross-country flying, with altitude instrument flying. This course also consists of a complete review of all commercial maneuvers, instrument flying techniques, procedures and regulations. The Commercial Flight course prepares the student for FAA Commercial Pilot and Instrument ratings.*

AVSC 303 Flight Instructor Ground School (3 credits)
Prerequisite: AVSC 200, AVSC 212, AVSC 300 and AVSC 211
Provides aviation instructors with easily understood learning and teaching information and its use in their task of conveying aeronautical knowledge and skills to students. Topics include aspects of human behavior, teaching methods and communication, evaluation and criticism, instructional planning, instructor characteristics and responsibilities. Students who meet Federal Aviation Administration (FAA) requirements will be qualified to take the FAA written examination. Either semester

AVSC 305 Introduction to General Aviation Management
(3 credits)
Prerequisite: MGMT 130 and junior status or consent of the instructor
An in-depth study of Fixed Base Operations (FBO) business management and operations including financial aspects, human resources, MIS, flight line, flight operations, marketing, maintenance and facilities. Either semester

AVSC 307 Air Carrier Operations (3 credits)
Prerequisite: MGMT 130 and junior status or consent of the instructor
An in-depth study of the U.S. air carrier industry, its structure and its place in the aerospace industry. The history, economics, management and regulation of the domestic air carrier industry are examined in detail. Fall semester

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

AVSC 310 Aviation Safety (3 credits)
Prerequisite: AVSC 100 and AVSC 105
The primary emphasis of this course is to instill safety consciousness. It encompasses the role of federal organizations involved with aviation safety and stresses their contributions to the aerospace industry. The course will explore flight physiology, utilization of aeronautical services and facilities, an historical perspective and analyzing documented case studies. Spring semester

AVSC 316 Multi-Engine Flight Simulator Instruction (1-3 credits)
Prerequisite: AVSC 413 or consent of the instructor
Multi-engine flight simulated instruction is conducted with the use of a flight simulator. The course content will be determined in accordance with the flight experience of the student. Students must enroll for a minimum of one credit. The course may be repeated for a maximum of three credits. (Fifteen hours of instruction are required for one credit.) Either semester

AVSC 320 Aviation Regulatory Process (3 credits)
Prerequisites: AVSC 105, junior status or consent of the instructor
A study of the development of the United States aviation regulatory process, its current structure, the rule making process, the appeals process, ICAO, etc., as well as an exposure to current aviation law as it applies to aviators and operators in the airspace system. Either semester

AVSC 330 Aircraft Systems (3 credits)
Prerequisites: AVSC 211, junior status or consent of the instructor
An examination of current aircraft systems moving from the more elementary systems found in smaller general aviation aircraft to the more complex systems found in current turbine powered transport category aircraft. These systems will include power plant, electrical, flight control, air conditioning and pressurization, ice and rain protection, oxygen, avionics, and emergency equipment. Fall semester

AVSC 350 Airport Management (3 credits)
Prerequisite: MGMT 130 and junior status or consent of the instructor
A study of managerial challenges associated with the operations of an airport. The course examines the history of airport development in the U.S., pertinent developments in legislation, planning, funding, local controlling authorities, growth management, regulatory aspects and public relations. Spring semester

AVSC 400 Instructional Flight (3 credits)
Prerequisites: AVSC 200, AVSC 211, AVSC 212, AVSC 300, and AVSC 303 which may be taken concurrently
This course includes analysis of flight maneuvers, take-off, landings, stalls, emergencies and procedures, as well as analysis and practice instruction of advanced maneuver, altitude instrument flying, considerations of night flight, aircraft performance, cross-country flight and navigation. Practice flight and ground instruction. Prepares the student for the FAA Certified Flight Instructor rating.*

AVSC 402 Insurance and Risk Management in Aviation (3 credits)
Prerequisite: AVSC 305
A practical study of U.S. regulations governing aviation. A survey of appropriate risk management policies of aviation. The case method is employed to present practical applications of principles under consideration. Fall semester

AVSC 407 Aviation Marketing Management (3 credits)
Prerequisite: AVSC 100 and AVSC 305
Selling and pricing business aviation services and creative marketing strategy are studied in an analytical approach to advertising, sales force administration, promotion, distribution, retailing, logistics, wholesaling, product planning, price policies, market research and consumer behavior. Spring semester

AVSC 411 Instrument Flight Instructor Ground School (2 credits)
Prerequisite: AVSC 300 and AVSC 211; and AVSC 303 which may be taken concurrently
Techniques of teaching instrument flight, analysis of instrument maneuvers and approaches, enroute operations and lesson planning. This course will prepare students for the Federal Aviation Administration (FAA) instrument flight and ground instructor written examinations.

AVSC 412 Instrument Flight Instructor Flight Training (2 credits)
Prerequisite: AVSC 411 which may be taken concurrently
Teaching analysis of altitude instruments, instrument approaches, and enroute operations. This course will prepare students for the Federal Aviation Administration (FAA) practical test. Two two-hour lecture/demonstration periods weekly for one quarter.* Either semester

AVSC 413 Multi-Engine Rating Ground School (1 credit)
Prerequisite: AVSC 211 and AVSC 300
This course prepares the prospective multi-engine pilot for the flight portion of the Federal Aviation Administration (FAA) multi-engine certification, including an in-depth study of multi-engine aerodynamics, systems, weight and balance, performance and emergencies.

AVSC 414 Multi-Engine Flight Training (1 credit)
Prerequisite: AVSC 413
This course prepares the prospective multi-engine pilot for the Federal Aviation Administration (FAA) multi-engine flight test. It includes multi-engine maneuvers, systems, weight and balance and emergencies. Two one-hour lecture/demonstration periods weekly for one quarter.* Either semester

AVSC 415 Corporate Aviation Management (3 credits)
Prerequisite: AVSC 305
This course provides an in-depth examination of the history and management practices of commuter airline and corporate aviation. Commuter airline certification, aircraft selection and operations will be analyzed, as well as corporate flight department economics and operations. Spring semester

AVSC 416 Multi-Engine Instructor Ground School (2 credits)
Prerequisite: AVSC 303, AVSC 400, AVSC 413, and AVSC 414
This course involves techniques of teaching multi-engine flight, multi-engine operations and systems, aerodynamics.

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
of multi-engine flight, environmental systems and multi-engine airplane instruction. One two-hour lecture/demonstration period weekly.

**AVSC 417 Multi-Engine Instructor Flight Training**
(2 credits)
Prerequisite: AVSC 303, AVSC 400, AVSC 413, and AVSC 414; and AVSC 416 which may be taken concurrently

This course covers the development of aeronautical skill and experience in multi-engine aircraft as well as acquisition of teaching proficiency from right seat of multi-engine airplane. One two-hour lecture/demonstration period weekly for one quarter. * Either semester

**AVSC 430 Airport Operations (3 credits)**
Prerequisite: AVSC 350 and junior status or consent of the instructor

An in-depth study of the operational aspects of airports including demand/capacity analysis, pavement management, throughput of traffic (passenger, cargo, aircraft operations), noise abatement and mitigation, environmental considerations, etc. Fall semester

**AVSC 471 Aviation Management (3 credits)**
Prerequisite: AVSC 307, AVSC 402, AVSC 407, and senior status or consent of the instructor

This capstone course uses the tools and concepts mastered in each of the previous aviation courses to look at current business problems and topics related to the aviation industry.

**AVSC 485 Honors Thesis (3 credits)**
Prerequisite: Open to all Commonwealth and Departmental Honors students and to others at the discretion of the instructor

This course is open to All-College and Departmental Honors students. One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee.

**AVSC 498 Internship in Aviation Science (3-15 credits)**
Prerequisite: Consent of the department chairperson of aviation science; formal application is required

Instructive endeavor in the aviation industry, or an aviation related business, which complements the academic program. The student will receive meaningful and practical work experience conducted at an airline, a Fixed Base Operation (FBO), the FAA, an aviation consulting firm or another aviation related firm. * Either semester

**AVSC 499 Directed Study in Aviation Science (1-3 credits)**
Prerequisite: Junior status and consent of the department; formal application required

Open to junior and senior majors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. * Either semester

**Other Approved Courses:**
- AVSC 102 Primary Flight II
- AVSC 103 Primary Flight III
- AVSC 201 Commercial Flight I
- AVSC 202 Commercial Flight II
- AVSC 204 Instrument Flight II
- AVSC 205 Advanced Commercial and Instrument Flight
- AVSC 216 National Airspace System
- AVSC 399 Special Topics in Aviation
- AVSC 450 Human Factors in Aviation

### BIOLOGICAL SCIENCES (BIOE, BIOF, BIOL)

**BIOE 511 Advanced Biological Topics and Techniques**
(1-3 credits)

Designed for secondary education science teachers, this course is composed of three one credit "short courses." Short course topics will vary and will also serve the continuing needs of teachers for professional development. Possible topics could include whales of Massachusetts, isolation of plasmids, fungal genetics, spring migratory birds, freshwater macroinvertebrates of local ponds and streams, New England wetland plants, intertidal invertebrates, New England wildflowers, etc. This course may be repeated for different topics.

**BIOE 512 Advances in Biological Science**
(3 credits)

Designed for secondary education science teachers, this course will consist of a seminar covering a selected area of biology related to the curriculum frameworks and teaching in the schools. The seminar could cover one topic, or several related topics in 3-5 week blocks per topic and could be team-taught. Some topics may be team-taught by a biology faculty member and a K-12 master teacher with appropriate background and qualifications, such as a PALMS science specialist. This course may be repeated for different topics.

**BIOE 513 Advances in Cell/Molecular Biology**
(3 credits)

This graduate level course designed for secondary education science teachers will cover subject areas of cell and molecular biology. Possible subject area components could include molecular biology, techniques of molecular biology, microbiology, embryology, cytology, biological electron microscopy, the foundations of biology, biology of the fungi, virology, human genetics, advanced cellular biology and advanced developmental biology. This course may be repeated for different topics. Laboratory may be included

**BIOE 514 Advances in Biomedical/Physiological Biology**
(3 credits)

This graduate level course designed for secondary education science teachers will cover subject areas of biomedical and physiological biology. Possible subject area components could include embryology, parasitology, neurobiology and advanced physiology. This course may be repeated for different topics. Laboratory may be included

*Additional fee required*
Course Descriptions

BIOF 504 Ecosystems and Organisms (3 credits)
Prerequisite: An undergraduate degree and teacher license; this course cannot be used as part of the MAT in Biology
Designed for elementary and middle school teachers. Coverage is keyed to the life sciences strand in the Massachusetts Science and Technology Curriculum Framework. Examines the concept of an ecosystem, the structure and function of an ecosystem, the ways in which organisms interact with each other and with the nonliving components of their environments. Topics to be covered include flow of energy, cycling of matter, primary production, light energy transfer to plants in photosynthesis, food chains, food webs and energy pyramids and recycling of matter. Local ecosystems will serve as examples of these processes.

BIOF 505 The Biology of Fresh Waters (3 credits)
Prerequisite: An undergraduate degree and teacher license; this course cannot be used as part of the MAT in Biology
Designed for elementary and middle school teachers. Topics covered will be closely tied to the Watershed Access Lab and to the Massachusetts Science and Technology Framework. Provides content background in biology for understanding watersheds as ecological and biological systems. Introduction to investigative techniques used in the analysis of watersheds and water quality. Emphasis is placed on the use of freshwater ecology for watershed studies in the school curriculum. Topics will include principles of watershed ecology, basic principles of hydrology and river systems, and the use of macroinvertebrates as water quality indicators. Active/cooperative investigations will be emphasized as a means of constructing knowledge.

BIOF 506 Applied Biology for the Laboratory (3 credits)
Prerequisite: An undergraduate degree and teacher license; this course cannot be used as part of the MAT in Biology
Designed for elementary and middle school teachers. Topics covered will be closely tied to CityLab and to the Massachusetts Science and Technology Framework. Provides content background in biology for understanding principles of cell and molecular biology as applied to the CityLab project. Content covered will relate to basic biology, basic chemistry, basic physics, graph construction and interpretation needed to teach the material of the CityLab Program. Teachers using CityLab will acquire sufficient academic depth to field questions regarding the labs and principles that underlie them. Teachers will learn to interpret the array of each experiment’s possible experimental outcomes in order to guide their students to an appreciating and understanding not only of conclusions, but also the supporting experimental evidence.

BIOF 507 Special Topics in Elementary Life Science (1-3 credits)
This course is designed to accommodate 1-credit modules, 3-credit courses and workshops and institutes with variable credit in selected areas of elementary (grades 3-5) level life science as determined by the requirements of the Massachusetts Curriculum Framework in Science and Technology/Engineering. Possible topics include classification of plants and animals, plant structures and functions, growth and reproduction of living organisms, the function of the human body, and scientific inquiry.
adapations of living things, and energy and living things. Specific content will be developed to meet the assessed needs of teachers and the school districts. This course is designed to accommodate topics of teacher professional development under grant supported projects and school district supported projects as well as occasional credit offerings for elementary level in-service and pre-service teachers. This course is repeatable for different topics.

**BIOL 508 Special Topics in Middle School Life Science (1-3 credits)**
This course is designed to accommodate 1-credit modules, 3-credit courses and workshops and institutes with variable credit in selected areas of middle school (grades 6-8) level life science as determined by the requirements of the Massachusetts Curriculum Framework in Science and Technology/Engineering. Possible topics include: classification of organisms, structure and function of cells, systems in living things, reproduction and heredity, evolution and biodiversity, living things and their environment, energy and living things and changes to ecosystems over time. Specific content will be developed to meet the assessed needs of teachers and the school districts. This course is designed to accommodate topics of teacher professional development under grant supported projects and school district supported projects as well as occasional credit offerings for middle school level in-service and pre-service teachers. This course is repeatable for different topics.

**BIOL 100 General Principles of Biology (4 credits)**
The biological principles at the cellular and organismal levels are discussed. The topics covered include cell structure, respiration, photosynthesis, osmosis, enzymes, DNA and protein synthesis, genetics, ecology and evolution. Three hours of lecture and one two-hour laboratory period weekly. 
Offered every semester (CNSL)

**BIOL 102 Introduction to Zoology (4 credits)**
This course considers the zoological aspects of biology with emphasis on human systems. Topics include the chemical basis of life, the structure and physiology of cells, tissues, organs and organ-systems, embryonic development, heredity, evolution and ecology. Three hours of lecture and one two-hour laboratory period weekly. 
Offered every semester (CNSL)

**BIOL 110 Biology: A Human Approach (3 credits)**
This course examines biological principles as they apply to the human biology and to the role of humans in nature. A study of different levels of organization leads to analysis of the structure and function of the major systems of the human body. Topics will include human heredity, evolution and ecology. Spring semester (CNSN)

**BIOL 111 Human Heredity (3 credits)**
The principles of genetics which are important to an understanding of the hereditary mechanism in humans. Individual differences in relation to gene-environment interaction and the role of heredity in society, behavior, health and disease. Primarily an elective for non-science majors.

**BIOL 112 Biology and Human Thought (3 credits)**
The development of the fetal brain, its cellular structures and organization and the functions associated with various brain regions will be discussed. Major emphasis will be devoted to neuronal cell conduction and transmission and the cellular basis for movement, sensory activity, emotions, memory and language production. In addition, students will explore a variety of brain and neurological disorders. Three hours lecture weekly.

**BIOL 115 Microbial World and You (3 credits)**
This course considers microorganisms (bacteria, algae, fungi, protozoa, and viruses) and their interactions with humans. The principles and applications of environmental, industrial and medical microbiology are discussed. Either semester (CNSN)

**BIOL 117 The Biological Environment (4 credits)**
The ecological relationship between humanity and the environment is discussed with a focus on biological issues. Topics dealing with humanity's past, present and future role in the ecosystem are discussed with such considerations as: energy in ecosystems, biochemical cycles, populations, endangered species, acid precipitation, climate change, renewable resources, and biodiversity. The course focus, examples, and class discussion projects will be drawn from Canada, North America, or other regions as indicated by the college's course schedule for each semester offered. Three hours of lecture and one two-hour laboratory weekly. 
(CNSL)

**BIOL 119 The Botanical World (3 credits)**
An introduction to the biology of plants, exploring their diversity, peculiar adaptations, associations with animals, practical uses, and the profound effect they have had on modern civilization. 
(CNSN)

**BIOL 121 General Biology I (4 credits)**
This core course in the Biology major is an introduction to the concepts of molecular and cellular biology, reproduction, metabolism, genetics, and mechanisms of evolution. Three hours of lecture and one three-hour laboratory weekly. Fall semester (CNSL)

**BIOL 122 General Biology II (4 credits)**
Prerequisite: BIOL 121 or equivalent
A survey of the major groups of organisms, their morphology, physiology, evolution and ecology. Three hours of lecture and one three-hour laboratory weekly. Spring semester

**BIOL 128 The Biology of Human Sexuality (3 credits)**
The Biology of Human Sexuality is designed to introduce students to the basics of the human reproductive system. The students will develop a healthy understanding of sexuality, its role in society and how it applies to our daily life. Three hours of lecture per week. 
(CNSN)

**BIOL 199 First Year Seminar (3 credits)**
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may...
fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

BIOL 200 Cell Biology (4 credits)
Prerequisite: BIOL 100 or BIOL 121 or equivalent; CHEM 131 or CHEM 141; CHEM 132 or CHEM 142 or concurrent enrollment; or consent of the instructor
This course is an introduction to the basic concepts in cell structure and cell physiology. Topics will include the function of cellular organelles, enzymes and cell metabolism, the synthesis of macromolecules, the flow of genetic information in the cell, including transcription and translation. Three hours of lecture and one three-hour laboratory period weekly. Spring semester

BIOL 225 Ecology (4 credits)
Prerequisite: BIOL 100 or 121; CHEM 131 or CHEM 141 either taken previously or concurrently; or consent of the instructor
Fundamentals of the interactions of populations, communities and ecosystems are investigated in lecture. Students will be acquainted with techniques of data gathering and analysis in ecology. Laboratory trips will allow students to investigate ecological communities in southeastern Massachusetts. One all day Saturday field trip will be required as part of the lab. Three hours of lecture and one three-hour laboratory period weekly. Fall semester

BIOL 243 Systematic Botany (4 credits)
Prerequisite: BIOL 100 or BIOL 121 or consent of the instructor
Lecture presentations in the identification, naming and classification of higher plants. The laboratory will focus on acquiring skills in plant identification with an emphasis on the flora of Massachusetts. Three hours of lecture and one three-hour laboratory period weekly.

BIOL 251 Human Anatomy and Physiology I (4 credits)
Prerequisite: BIOL 100 or BIOL 102 or BIOL 121 or BIOL 122, or consent of the instructor
An intensive study of the biochemistry and cellular structures of tissues; the integumentary and skeletal systems; joints; fundamentals of the nervous system; the peripheral, central and autonomic nervous systems; the special senses; and heart activity. Three hours of lecture and one three-hour laboratory per week. Fall semester

BIOL 252 Human Anatomy and Physiology II (4 credits)
Prerequisite: BIOL 251 or consent of the instructor
An intensive study of the structure and function of the muscles and muscular system; circulatory system and blood; and the organ system including lymphatic, endocrine, respiratory, digestive and reproductive systems. Three hours of lecture and one three-hour laboratory per week. Spring semester

BIOL 280 Human Physiology (3 credits)
Prerequisite: BIOL 100 or BIOL 102 or BIOL 121 or consent of the instructor
General physiological principles and their application to the human body. Three hours of lecture weekly. Offered alternate years

BIOL 284 Invertebrate Zoology (4 credits)
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122 or equivalent or consent of the instructor
The biology of invertebrates from a phylogenetic standpoint with emphasis on taxonomy, morphology, physiology, development, and natural history. Representatives of the principal classes of each phylum are studied. Three hours of lecture and three hours of laboratory weekly. In alternate spring semesters, either BIOL 284 or BIOL 382 will be offered

BIOL 293 Service-Learning in Biology (1 credit)
Prerequisite: Successful completion of at least two biology courses, and either a minimum GPA in biology of 2.5 or an overall GPA of 2.5 and consent of the department
Service-learning includes community based experiences such as laboratory or occupational experience in conservation with state or local agencies as well as industrial, allied health, educational, medical, governmental, recreational, or regulatory experience with other organizations outside of the college. This course is a pre-internship experience designed to combine field work with service for a total of 40 hours. Students will meet periodically with the course instructor to reflect on experiences and connect with curriculum content. No more than 3 credits may be used toward the biology major electives. Graded on a (P) Pass/(N) No Pass basis.

BIOL 297 Biometry (4 credits)
Prerequisite: MATH 100 or MATH 141 or MATH 151; BIOL 225 taken previously or concurrently; or consent of the instructor
This course is an introduction to the general principles and use of statistical analyses in the biological sciences. Topics include probability theory, characterization of data with descriptive statistics, sampling error, elements of experimental design, and hypothesis testing, emphasizing the philosophy and assumptions of statistical analysis as well as the mechanics. The course uses SPSS as a computing tool and will require a final project. Three hours of lecture and one three-hour laboratory period weekly. (COUR)

BIOL 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ____ 199; Open to all sophomores and juniors who have completed ENGL 101; and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____ 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)
BIOL 299 Second Year Seminar (Writing Intensive)  
(3 credits)  
Prerequisite: ____ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____ 298 is taken for credit.  
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

BIOL 320 Biochemistry (3 credits)  
Prerequisite: BIOL 200; CHEM 131-132 or CHEM 141-142; MATH 141; or consent of the instructor. A course in physiology recommended, e.g. BIOL 252, BIOL 280, BIOL 341 or BIOL 373  
A study of the characteristics and metabolism of biological molecules. Topics include enzyme structure and function; techniques of enzyme study; anabolic and catabolic pathways and their regulation; and applications of thermodynamics and kinetics to biological systems. Three hours of lecture weekly.

BIOL 321 Genetics (4 credits)  
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122 or equivalent; BIOL 200 or equivalent; CHEM 131-132 or CHEM 141-142; or consent of the instructor  
Analysis of the basic principles underlying heredity and the mechanisms involved in the replication, recombination, mutation, variation and expression of genetic material in representative plant, animal and microbial systems. Three hours of lecture and one three-hour laboratory period weekly. Fall semester

BIOL 325 Ichthyology (4 credits)  
Prerequisite: BIOL 100 or BIOL 121; BIOL 225; CHEM 131 or CHEM 141 taken previously or concurrently; or consent of the instructor  
Lecture presentations in ichthyology will examine the key aspects of anatomy, sensory systems, organ systems, physiology and ecology of fishes. Emphasis will be placed on identification of New England freshwater and coastal fishes. Field investigations will focus on the behavior and ecology of the fish populations in the Taunton River system. Laboratory sessions will also include techniques of age and growth analysis for assessment of local fish populations, and basic identification of external and internal anatomy of various teleosts. Three hours of lecture and one three-hour laboratory period weekly.

BIOL 326 Marine Biology (4 credits)  
Prerequisite: BIOL 122; BIOL 225 or equivalent, or consent of the instructor  
An introduction to the marine ecosystems with emphasis on factors involved in the growth, diversity, and distribution of populations occupying the marine habitats of the eastern Atlantic coast. Three hours of lecture and three hours of laboratory weekly. Offered once in three years

BIOL 327 Wetlands Biology (4 credits)  
Prerequisite: BIOL 225 or consent of the instructor  
A course that considers the values, functions, protection and recognition of wetlands. Field trips will allow students to investigate wetlands of southeastern Massachusetts. Three hours of lecture and one three-hour laboratory period weekly. Offered alternate fall semesters

BIOL 328 Stream Ecology (4 credits)  
Prerequisite: BIOL 100 or BIOL 121; BIOL 225; CHEM 131 or CHEM 141 taken previously or concurrently; basic algebra (at least FRSK 102 skills); or consent of the instructor  
This course examines factors affecting the population size and distribution of aquatic organisms in streams and the biotic indices used to assess stream communities. Laboratory and field projects apply basic skills of organism identification, biotic indices and G.I.S. to investigate aquatic communities of a local river. Three hours of lecture and one three-hour laboratory per week. Offered every other year in the fall semester

BIOL 338-339 Honors Tutorial (3 credits each semester)  
Prerequisite: Open to Commonwealth and Departmental Honors students  
Special topics in biology. Three hourly meetings weekly. BIOL 338 Fall semester, BIOL 339 Spring semester

BIOL 341 Plant Physiology (4 credits)  
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122; BIOL 200; CHEM 131-132 or CHEM 141-142; or consent of the instructor  
The growth and function of plants including cellular physiology, water relations, respiration, photosynthesis, nutrition, growth regulation, and the influence of environment. Three hours of lecture and one three-hour laboratory period weekly. Fall semester

BIOL 350 Molecular Biology (4 credits)  
Prerequisite: BIOL 200  
This course will examine the molecular nature of biological processes. The structure and function of biological macromolecules will be examined along with the research methodologies and techniques currently utilized in this field. Six hours of lecture/laboratory weekly. Fall semester

BIOL 371 Histology (4 credits)  
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122; CHEM 131-132 or consent of the instructor  
This course is a study of the microscopic anatomy of mammalian tissues and organs with emphasis on human materials. The study of prepared slides in the laboratory will serve as a basis for discussion of the interdependence of structure and function in the animal body. Three hours of lecture and one three-hour laboratory period weekly.

BIOL 372 Animal Behavior (3 credits)  
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122; or equivalent or consent of the instructor  
This introduction to the study of animal behavior from the biological viewpoint covers such topics as drives and reflexes, animal communication, biological rhythms and migration. Emphasis will be placed, where applicable, on the relationships between animal and human behavior.
BIOL 373 Animal Physiology (4 credits)
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122; CHEM 131-132 or CHEM 141-142 or equivalents; or consent of the instructor
Physiological principles concerned in irritability, contraction, circulation, gas exchange, excretion, and hormonal regulation. Special focus will be placed on unique physiological features found in a variety of animals. Topics will vary and may include hibernation, echolocation, communication through pheromones, bioluminescence, and migration. Three hours of lecture and one three-hour laboratory period weekly. *Alternate spring semesters*

BIOL 375 Immunology (3 credits)
Prerequisite: BIOL 200 and BIOL 321
The immune system and its components, including their structure, function, genetics and ontogeny. Three hours lecture weekly. *Offered alternate fall semesters*

BIOL 376 General Endocrinology (3 credits)
Prerequisite: BIOL 200
A survey of the morphology, ultrastructure, and physiology of endocrine glands and their hormones, in animals with special emphasis on humans, will be presented. The course will discuss the hormonal actions and their control on the cellular and organ level. Three hours lecture weekly.

BIOL 382 Comparative Chordate Anatomy (4 credits)
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122 or equivalent; or consent of the instructor
An ontogenetic and phylogenetic survey of chordate gross anatomy, supplemented by laboratory dissections of representative species. Emphasis is placed on ecomorphology and the changes in chordate structure and biology of chordates that comprise their evolution, with an analysis of the significance of these changes in light of our modern knowledge of evolution. Two hours of lecture and one three-hour laboratory period weekly. *In alternate spring semesters, either this course or BIOL 284 will be offered.*

BIOL 396 Research Problems in Biology (1-3 credits)
Prerequisite: Not open to freshmen. Acceptance by the supervising faculty member
The student will conduct an individual research experience over one semester or multiple semesters in collaboration with a faculty member. At the end of each semester, a written progress report must be submitted for review by the supervising faculty member and a presentation is made to the biology faculty and students. The course may be repeated and up to 3 credits can be used toward a concentration elective in biology.

BIOL 408 The Biology of Marine Mammals (3 credits)
Prerequisite: BIOL 122 or equivalent; or consent of the instructor
An introductory course in the study of marine mammals. Topics to be covered include the evolution, classification, distribution, life histories, anatomy, morphology, behavior, and ecology of marine mammals. We will consider the role of marine mammals in marine ecosystems and the interaction between marine mammals and humans. Three hours lecture weekly.

BIOL 420 Limnology (4 credits)
Prerequisite: BIOL 100 or BIOL 121; CHEM 132 or CHEM 142, which may be taken concurrently; basic algebra (minimum FR SK 102 skills); or consent of the instructor
Limnology examines the interaction of physical and chemical processes in freshwater ecosystems and how they influence populations of freshwater organisms. Laboratory exercises will focus on a field project requiring sampling and analysis of water chemistry, bacteria, phytoplankton, zooplankton, and macroinvertebrates. Students must expect to spend extra time outside of class on the collection and analysis of laboratory project data. Two hours of lecture and one four-hour laboratory session per week.

BIOL 422 Biological Evolution (3 credits)
Prerequisite: BIOL 321 or consent of the instructor
This course covers the theory of evolution and the operation of evolutionary forces as related to modern taxonomy, with emphasis on such topics as mutation, variation, hybridization, ployploidy, isolation, natural selection and population genetics. Three hours of lecture weekly. *Offered alternate years, spring semester*

BIOL 423 Biological Invasions (3 credits)
Prerequisite: BIOL 122 or consent of the instructor
This course will examine the spread of invasive organisms. It will focus on the biology of organisms that alter ecosystems; endanger public health, local economies, and traditional cultures; and their vectors of dispersal, and management. Three hours of lecture weekly. *Spring semester*

BIOL 425 Population Ecology (4 credits)
Prerequisite: BIOL 122 or equivalent; BIOL 225, BIOL 321; or consent of the instructor
The dynamics and evolution of populations. Topics to be covered include models in population biology, population growth, density dependent and density independent growth, population genetics, evolution of life histories, species interactions, competition, predator-prey interactions, host-parasitoid interactions, disease and pathogens, and population growth and regulation. Three hours of lecture and three hours of laboratory weekly. *Either semester*

BIOL 428 Microbiology (4 credits)
Prerequisite: BIOL 200 and BIOL 321
An introduction to the diversity of microorganisms with emphasis on bacterial growth and metabolism, microbial ecology, and host/microbe interactions including infectious disease. Three hours of lecture and one three-hour laboratory period weekly. *Spring semester (CWRM)*

BIOL 430 Embryology (4 credits)
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122; or equivalent; CHEM 131-132 or CHEM 141-142; or consent of the instructor
A study of developmental processes at different levels of organization with emphasis on animal development. Topics include gametogenesis, fertilization, early embryonic development, organogenesis, differentiation, growth and regeneration. Three hours of lecture and one three-hour laboratory period weekly. *Offered alternate years, spring semester*

*May be taken for graduate level credit*

**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
BIOL 434 Biological Electron Microscopy (3 credits)
Prerequisite: BIOL 200 or consent of the instructor
An introduction to the techniques of tissue preparation including fixation, dehydration and embedment procedures, followed by sectioning and staining, practical use of the electron microscope and interpretation of electron photomicrographs. Basic principles of tissue preparation and applications of electron microscopy will be stressed. One hour of lecture and one four-hour laboratory period weekly. Spring semester.

BIOL 436 Mammalian Reproductive Physiology (4 credits)
Prerequisite: BIOL 100 or BIOL 121; and BIOL 122; BIOL 200; plus one of the following: BIOL 251, BIOL 252, BIOL 280, BIOL 373; or consent of instructor
This course is designed to introduce mammalian reproduction from a physiological perspective. The goal is to provide a functional understanding of the physiological bases for reproductive events in vertebrates, emphasizing mammals. Three hours lecture and three hours laboratory per week.

BIOL 450 Virology (3 credits)
Prerequisite: BIOL 200; CHEM 131-132 or CHEM 141-142
This course is an introduction to the study of viruses including bacteriophages and animal viruses. Viral structure and mechanisms of action are considered at the molecular level, and emphasis is placed on viral replication strategies. Three hours lecture weekly.

BIOL 472 Human Genetics (3 credits)
Prerequisite: BIOL 321 or consent of the instructor
The general principles of genetics as applied to humans. Emphasis will be placed on human genome analysis, pedigree construction and analysis, diagnosis and treatment of genetic diseases, gene mapping, cytogenetics of normal and aberrant genomes and population genetics. Three hours lecture weekly. Offered every third year.

BIOL 475 Parasitology (4 credits)
Prerequisite: BIOL 428 or consent of the instructor
The relationships between parasitic microorganisms and their hosts will form the basis for this course. We will study both protozoal and multicellular parasites of animals and humans, mechanisms of disease, host defenses, and public health aspects of control and treatment with strong emphasis on the medical and global public health aspects of this area of biology. The course will include student independent investigation of the biochemical and immunologic advances of the last three decades through reading of the primary literature, and oral presentation of a topic based on this investigation. Three hours of lecture and one three-hour laboratory per week. Offered every other year.

BIOL 482 Neurobiology (4 credits)
Prerequisite: BIOL 100 or BIOL 121; BIOL 251 or BIOL 373; CHEM 131-132 or CHEM 141-142 or equivalent or consent of the instructor
Nervous system ultrastructure, and the chemical and physiological properties of mammalian nerve cells will be discussed. Topics will include an examination of cell types, membrane potentials, synaptic transmission, embryonic development, growth and aging. Sensory and motor functions of nerves; reflex mechanisms; autonomic nervous functions; and central nervous system functions such as emotions, learning and memory, regulation of biological clocks, and autonomic functions will be covered. Three hours of lecture and three hours of laboratory weekly. Offered every third year.

BIOL 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester.

BIOL 490 Special Topics in Biology (1-3 credits)
Prerequisite: BIOL 121-122, other prerequisites may be required
Various specialized or experimental offerings in biology will be offered from time to time as either three-credit courses or short courses of one or two credits. Each course may be lecture, laboratory, or combined lecture and laboratory as appropriate. Biology majors may combine three short courses to equal one Biology elective.

BIOL 497 Undergraduate Biological Research (3 credits)
Prerequisite: Sophomore, junior or senior standing and acceptance by the supervising faculty member
Students who are accepted by a faculty member as a participant in an undergraduate laboratory or field research project enroll in this course. Projects entail substantial research in the faculty member's biological subdiscipline and are publicized as student research projects available. Students are extensively involved in experimental planning, execution, analysis and reporting, and present their results to the biology department. Offered every semester.

BIOL 498 Internship in Biology (3-15 credits)
Prerequisite: Consent of the department
Internships include research, laboratory or occupational experience in industrial, allied health, educational, medical, governmental, recreational, regulatory or other organizations outside of the college. No more than six credits may be used toward the biology major electives. Graded on a (P) Pass/(N) No Pass basis. Either semester.

BIOL 499 Directed Study in Biology (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Graded on a (P) Pass/(N) No Pass basis. Either semester.

BIOL 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.
Course Descriptions

**BIOL 503 Directed Study (credit to be arranged)**
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog.

**BIOL 504 Advanced Seminar in Selected Modern Biological Topics (3 credits)**
A study of significant recent work in a specific area of biological research. Students will be expected to do consider- able library research, make oral presentations, and present a satisfactory written summary of their work.

Other Approved Courses:
BIOL 113 Fundamentals of Biology
BIOL 135-136 Freshman Honors Colloquium
BIOL 286-287 Sophomore Honors Colloquium
BIOL 390 Introduction to Pharmacology
BIOL 410 Techniques of Molecular Biology
BIOL 421 Seminar in Biology
BIOL 433 Cytology
BIOL 480 Tropical Field Ecology

**CHEMICAL SCIENCES (CHEM)**

**CHEM 100 Computers in Chemistry (2 credits)**
This course provides students with an introduction to the use of computer applications for doing and communicating chemistry. (It is equally useful for other science majors.) Topics covered include the use of both general purpose (word processors and presentation graphics) and specialized (including two- and three-dimensional molecular graphics programs) applications for communicating technical information. Other topics covered include an introduction to molecular modeling and the technical applications of spreadsheets and databases.

**CHEM 102 Chemistry in Everyday Life (3 credits)**
A selection of topics from the multitude of chemical and nuclear reactions encountered in the everyday life of the modern person will be presented through lectures and demonstrations. Topics such as the following may be included: evaluation of energy alternatives, radioactive isotopes in diagnosis and treatment of disease, risk-to-benefit evaluation of food additives and environmental impact of chemical waste disposal. *Either semester*

**CHEM 131 Survey of Chemistry I (4 credits)**
**CHEM 132 Survey of Chemistry II (3 credits)**
**CHEM 131 is prerequisite to CHEM 132**
This sequence of courses surveys the broad range of topics that comprise the field of chemistry. Topics covered first semester include atomic structure, chemical bonding, states of matter, solutions, chemical reactions (with an emphasis on acid-base reactions) and nuclear chemistry. Topics covered in the second semester include the structure, nomenclature and reactions of organic molecules, enzymes, and the basics of metabolism (concentrating on energy producing pathways). This sequence is designed for students requiring a yearlong course in chemistry, but who are not planning further study in chemistry (except for instrumentation, CHEM 250). CHEM 131 (4 credits) entails three hours of lecture and one three-hour laboratory weekly. CHEM 132 (3 credits) entails three hours of lecture each week. CHEM 131 both semesters, CHEM 132 spring semester only

**CHEM 135-136 Freshman Honors Colloquium**
(1 credit each semester)
Prerequisite: Open to all college honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Chemistry allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for 50 minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is 12. Topics vary from semester to semester. CHEM 135 fall semester, CHEM 136 spring semester

**CHEM 141-142 Chemical Principles I-II**
(4 credits for each semester)
**CHEM 141 is prerequisite to CHEM 142**
Theoretical inorganic chemistry will be studied with emphasis on mass-energy relationships in terms of structure and physical laws. Laboratory work emphasizes quantitative techniques. Three hours of lecture and four hours laboratory weekly. CHEM 141 fall semester, CHEM 142 spring semester

**CHEM 199 First Year Seminar (3 credits)**
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above.
Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

**CHEM 241 Quantitative Chemical Analysis (3 credits)**
**Prerequisite: CHEM 142**
The classical and modern methods for the quantitative analysis of organic and inorganic compounds, including volumetric, gravimetric, spectroscopic and chromatographic methods. Topics covered include acid-based, solubility, and complex-formation equilibria, as well as an introduction to spectroscopy and chromatography. Two hours of lecture and five hours of laboratory weekly. Offered every other spring semester

**CHEM 242 Intermediate Inorganic Chemistry (3 credits)**
**Prerequisite: CHEM 142**
The descriptive chemistry, as well as synthesis and reactions, of non-transitional elements and their compounds are studied systematically. Correlations of structure and properties are explained on the basis of modern theories. Fall semester

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**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. **Note:** See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
CHEM 290 Environmental Chemistry (3 credits)
Prerequisite: CHEM 142
A one-semester course covering the basic principles of aquatic chemistry, atmospheric chemistry, and the chemistry of the geosphere. Topics include energy and the environment, water pollution, water treatment, air pollution, photochemical smog, global warming, the ozone hole, and an introduction to "green" chemistry. Offered once in two years, spring semester

CHEM 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit. Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

CHEM 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit. Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

CHEM 341-342 Organic Chemistry I-II (Non-Lab) (3 credits each semester)
Prerequisite: CHEM 142 or consent of the instructor is prerequisite to CHEM 341; CHEM 341 is prerequisite to CHEM 342
This course provides the lecture portion independent of the laboratory of CHEM 343-344 Organic Chemistry I and II. CHEM 341 and CHEM 342 are offered summers only

CHEM 343-344 Organic Chemistry I-II (4 credits each semester)
Prerequisite: CHEM 142 or consent of the instructor is a prerequisite to CHEM 343; CHEM 343 is a prerequisite to CHEM 344
An introductory course in organic chemistry organized in terms of the structure of organic compounds, mechanism of organic and biorganic and environmental chemistry. The laboratory includes an elementary, middle, and high school Chemistry OutReach project for students interested in science teaching careers. Three hours of lecture and four hours of laboratory weekly. CHEM 343 is a prerequisite to CHEM 344. The lecture portion of this course may be taken independent of the laboratory under CHEM 341 Organic Chemistry I-Non-lab (3 credits) and CHEM 342 Organic Chemistry II-Non-lab (3 credits). CHEM 341 and CHEM 342 are offered summers only

CHEM 381-382 Physical Chemistry I-II (4 credits for each semester)
Prerequisite: CHEM 142 and MATH 152 or MATH 142 and consent of the instructor is a prerequisite to CHEM 381; CHEM 381 is a prerequisite to CHEM 382
The laws governing the physical and chemical properties of substances. CHEM 381 covers thermodynamics and kinetics, while CHEM 382 focuses on molecular spectroscopy and quantum chemistry and statistical mechanics. Three hours of lecture and one four-hour laboratory period weekly.

CHEM 390 Research Problems in Chemistry (1-3 credits)
Prerequisite: CHEM 344, CHEM 382 and consent of the department
The student will work on a research project under the direction of a faculty member. A written report (see department office for preparation guide) must be submitted to the department chairperson by the end of the final exam period. This course may be repeated for up to six credits. Graded on a (P) Pass/(N) No Pass basis. Fall and Spring semester

CHEM 444 Advanced Inorganic Chemistry (3 credits)
Prerequisite: CHEM 344, and CHEM 382; CHEM 382 may be taken concurrently
The topics of group theory, stereochemistry, ligand field

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
theory, molecular orbital theory, synthesis and kinetics of reactions as applied to transition metal elements will be treated in detail. Hours arranged. Spring semester

CHEM 450 Instrumental Analysis (3 credits)
Prerequisite: CHEM 382, which may be taken concurrently
Theory and practical application of instrumental methods as applied to chemical analysis, including pH measurements, electro-deposition, potentiometry, crystallography, mass spectrometry and spectroscopy. Two hours of lecture and one four-hour laboratory period weekly. Fall semester

CHEM 461 General Biochemistry I (4 credits)
Prerequisite: CHEM 344 or consent of the instructor
A survey of the chemical components of living matter and the major processes of cellular metabolism. Three hours of lecture and one three-hour laboratory period weekly. Fall semester

CHEM 462 General Biochemistry II (3 credits)
Prerequisite: CHEM 461
A survey of the chemical components of living matter and the major processes of cellular metabolism. Three hours of lecture weekly. Spring semester

CHEM 466 Advanced Biochemistry Laboratory (2 credits)
Prerequisite: CHEM 461
A study of special laboratory techniques used in biochemical research, such as chromatography, enzymology, radiochemical techniques, electrophoresis, and metabolic pathways. An individual project will complete the laboratory. One hour of laboratory discussion and three hours of laboratory weekly. Spring semester

CHEM 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester

CHEM 490 Special Topics in Chemistry (3 credits)
Prerequisite: CHEM 382 or consent of the instructor
Special Topics in Chemistry will deal with various topics at the "cutting edge" of chemistry. The course will stress the current literature as the "text." Assessment will be based primarily on writing assignments. Since the topic will change each time the course is offered, please see the course schedule for the current topic. Spring semester

CHEM 492 Laboratory Techniques (3 credits)
Prerequisite: CHEM 344 and CHEM 382
Special techniques used in the research laboratory, such as glass-blowing, vacuum line technique, vacuum distillation, dry-box operations and advanced synthetic methods. Hours arranged. Fall semester

CHEM 498 Internship in Chemical Sciences (3-15 credits)
Prerequisite: Consent of the department; formal application required
May be taken for graduate level credit

Laboratory experience in industrial or government laboratories, regulating agencies or academic laboratories at other institutions. Graded on a (P) Pass/(N) No Pass basis. Either semester

CHEM 499 Directed Study in Chemistry (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

Other Approved Courses:
CHEM 338-339 Honors Tutorial
CHEM 440 Advanced Organic Chemistry
CHEM 502 Research
CHEM 503 Directed Study
CHEM 512 Microcomputers as Laboratory Instruments
CHEM 550 Chemistry and the Environment
CHEM 560 Special Topics in Chemistry

GENERAL COUNSELING (CNGC)

CNGC 500 Research and Evaluation (3 credits)
This course is designed to help prepare counselor education students who intend to work in mental health, PreK-12, or higher education settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/School Adjustment Counselor, or School Counselor as practitioner-scientists. The purpose of this course is to provide a framework for counselors to evaluate the efficacy of research studies that have implications for the practice of counseling. Students will become familiar with research methods, statistical analysis, needs assessment, and program evaluation as it relates to the counseling profession. Students will be exposed to ethical and legal considerations, diversity and equity as it relates to conducting research in counseling.

CNGC 502 Research (3-6 credits)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in counseling in collaboration with a faculty member. For details, consult the "School of Graduate Studies" section of this catalog for information on independent study.

CNGC 503 Directed Study (1-6 credits)
Prerequisite: Completion of 15 approved graduate credits and acceptance in the counseling program; consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in the counseling field or engage in fieldwork in addition to what is required in each program option. For details, consult the "School of Graduate Studies" section of this catalog for information on independent study.

CNGC 510 The Counseling Function in School, Agency/Community, and Higher Education Settings (3 credits)
This course provides students who intend to work in mental health, PreK-12, or higher education settings, and who...
Course Descriptions

may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/School Adjustment Counselor, or School Counselor with an orientation to the field of counseling. Students will be exposed to various employment opportunities and settings in the counseling profession. Central to this course will be an on-going self-evaluation of the students' attitudes, values, interpersonal skills, and motives for choosing counseling as a potential profession. The student will be provided with an overview of the core requirements and competencies necessary to become a counselor. Threaded throughout this course and each counseling program option are competencies in technology, professionalism, and multiculturalism.

CNGC 520 Group Experience (0 credit)
All matriculated MEd counselor education students are required to participate in a confidential small group experience provided by the department. This non-graded, eight session activity will be facilitated by a licensed clinician who is not a member of the faculty and will provide counselors-in-training with direct experience as a member of a group. Completion of this requirement is a prerequisite for the Advanced Applied Counseling Course. This course is graded on an (P)Pass/(N)No Pass basis.

CNGC 528 Counseling and Development (3 credits)
This course will introduce the counselor education student who intends to work in mental health, PreK-12, or higher education settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/School Adjustment Counselor, or School Counselor, to counseling theory and practice in the context of human development, culture, and other contextual factors. Diversity will be broadly defined and include, but not be limited to ethnicity, race, spirituality, gender, SES, and sexual orientation. The major counseling theories will be examined with respect to their overall worldview, underlying value systems and related compatibility with mainstream and disenfranchised populations, their perspective on human development and clinical application. Although primary course emphasis will be on counselor self-reflection, and working with individual clients, secondary focus will be on ecological/system approaches and prevention strategies.

CNGC 529 Multicultural Counseling (3 credits)
Prerequisite: CNGC 510
This skill-based course will further develop the students' working knowledge and basic competency in multicultural counseling theory and application. For the counseling student who intends to work in mental health, PreK-12, or higher education settings, and who may also be seeking licensure as one or more of the following: LMHC, School Social Worker/School Adjustment Counselor, or School Counselor. To this end, the course will focus on the counselor on both a professional and personal level. Additionally, the course will examine salient client population-specific issues related to the life experiences and world view of the culturally different client and how such experiences impact on the counseling relationship and therapeutic process. Underlying values and assumptions associated with widely used traditional counseling interventions and their appropriateness with disenfranchised populations will be explored. Traditional and nontraditional culturally-consonant counseling approaches will also be discussed.

CNGC 532 Psychological Assessment (3 credits)
Prerequisite: CNGC 510
This course will examine the basic principles and components of individual and group psychological assessment and is designed for the counselor education student who intends to work in mental health, PreK-12, or higher education settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/School Adjustment Counselor, or School Counselor. The student will be introduced to the most commonly used assessment tools and practices for measuring intelligence, achievement, aptitude, interest, career and personality. Basic concepts of standardized testing and statistical concepts such as measures of central tendency, variability, norm and criterion referenced tests and types of reliability and validity will be explained for each test discussed. Critical issues and procedures such as technology, ethical, diversity and multicultural aspects related to the administration, scoring, interpretation, and report writing for individual and group tests will be emphasized.

CNGC 535 Applied Counseling: Adolescent-Adult (3 credits)
Prerequisite: CNGC 510 and CNGC 528
Awareness of characteristics and behaviors that influence the helping process will be explored, such as developmental, personal, and personality characteristics. Students who intend to work with adolescents and/or adults in school, mental health, or student affairs settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), Social School Worker/School Adjustment Counselor, or School Counselor will develop basic interviewing and counseling skills for the purpose of establishing a therapeutic relationship, diagnosis of client problems, and the implementation of appropriate counseling treatment goals within the ethical guidelines.

CNGC 536 Applied Counseling: Pre-Adolescent (3 credits)
Prerequisite: CNGC 510 and CNGC 528
This course is designed to assist the counseling student who intends to work in mental health or PreK-12 settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/School Adjustment Counselor, or School Counselor, with learning effective therapeutic techniques for working with young children. The course will examine developmental child psychopathology from a constructivist perspective. Using this model, various approaches to child therapy and collaboration skills will be applied and evaluated. No preferred treatment modality will be espoused, rather, students will be expected to make use of a combination of techniques and integrate various forms of intervention. Moreover, diversity, psychological development, technology, and professionalism will be integrated throughout the course.

CNGC 538 Group I: Theory and Process of Group Interaction (3 credits)
Prerequisite: CNGC 510 and CNGC 528
Group I is an experiential course designed to provide students who intend to work in mental health, PreK-12, or higher education settings, and who may also be seeking
licensure as one or more of the following: LMHC, School Social Worker/Adjustment Counselor or School Counselor, with the opportunity to co-facilitate, participate, observe, and analyze group process. Emphasis will be placed on the synthesis of leadership, membership and purpose, as well as the evaluation of the appropriateness of various types of groups and counseling applications.

CNGC 539 Introduction to Career Counseling (3 credits)
Prerequisite: CNGC 510 or PSYC 509
This course will review concepts, issues, trends and tools as they relate to career development. It is designed to consider the role of the professional counselor in the career decision-making process embedded within lifestyle and life stage factors. Topics will include, but not be limited to: career development theory, career assessment tools, interest, skills and personality inventories, career resource materials, technology and the implementation of career counseling strategies.

CNGC 542 Group II: The Facilitation of Group Experience (3 credits)
Prerequisite: CNGC 538
Group II is an advanced level course that provides students with an opportunity to enhance their group counseling skills and repertoire as well as increase their ability to apply theory to practice. This course uses both experiential and discussion methods of teaching to facilitate learning.

CNGC 544 Introduction to Reality Therapy (3 credits)
This course is designed to bring about an awareness and an understanding of the philosophy and basic concepts of Reality Therapy. Modalities of learning will include the following: didactic presentation, role play, lecture and group process.

CNGC 560 Special Topics in Counseling (1-3 credits)
Prerequisite: Dependent on topic
Special topics of current relevance in counseling will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. This course may be taken more than once with the consent of the adviser.

CNGC 561 Grief Counseling (3 credits)
Introduction to the theory and application of grief models as they apply to individuals and families, including techniques and strategies to assist clients and students dealing with issues related to grief and loss in a variety of settings (school, mental health, college/student affairs). The course will stress the importance of the professional counselor self-awareness and counselor impact on the therapeutic process, as well as the role of ritual, spirituality, and multicultural perspectives on grief. At the core of the course will be a respect for the "client's" cultural contextual, a recognition of the importance of culture and other critical intervening factors on the counseling and grief process, and the maintenance of high ethical standards.

CNGC 563 Psychopharmacology for Non-Medical Professionals (3 credits)
This course, which is for the counseling student who intends to work in mental health or PreK-12 settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/Adjustment Counselor, or School Counselor, examines modern medication treatments for psychological disorders, including schizophrenia, mania, depression, and anxiety. Additional problems such as ADHD/ADD, steroids, alcohol and cigarette dependency, street drugs and inhalants will be examined. Types of medications reviewed are the following: antipsychotics, antidepressants, antianxiety, sedative-hypnotics, over the counter, and herbal alternatives are discussed in conjunction with diagnostic factors, effectiveness, side effects, risk, and biological actions.

CNGC 567 Marital and Family Therapy (3 credits)
This course is an examination of schools of family systems and treatment intervention options. Attention will be given to the history and development of marital family therapy, current schools of therapy, intervention strategies, and the role of the counselor in marital and family work. Professional standards for marital and family therapy will be reviewed.

CNGC 582 Principles and Methods of Community Counseling and Consultation (3 credits)
This course is for the counseling student who intends to work in mental health, PreK-12 or higher education settings, and who may also be seeking licensure as one or more of the following: Licensed Mental Health Counselor (LMHC), School Social Worker/Adjustment Counselor, or School Counselor, and will explore the wide variety of factors in society and the community that affect the well being of the client in school, agency/community, and higher education settings. Emphasis will be on addressing human problems through community counseling and consultation within a framework of multiculturalism, professional standards and equity, and using technology to enhance the development and delivery of community counseling interventions. Topics include: consultation, referral, program development, intervention strategies, outreach, general systems theory, community counseling, person/environment "fit" and action/evaluation research.

CNGC 610 Counselor Supervision: Principles and Practice (3 credits)
This advanced level course will provide the student with an overview of the varied principles and practices of counselor supervision. Supervision is examined from an administrative and clinical paradigm. Furthermore, topics related to supervision such as diversity, gender, personal/professional development, counseling theory, and ethics will be covered. Central to the course will be the development of the skills and knowledge requisite to becoming an effective supervisor in the counseling profession. An on-going self-evaluation of supervisor's attitudes, values, skills, personality, and roles as a supervisor will be examined.

CNGC 620 Multicultural Counseling II (3 credits)
Prerequisite: CNGC 529 or graduate level multicultural counseling course
This advanced level competency-based course is designed for professional counselors and advanced level graduate students in counseling who are interested in increasing their knowledge and skill in the fourth "force" of counseling — Multicultural Counseling and Therapy. Emphasis will be on operationalization of the components of multicultural competence as identified by the American Counseling Association. Primary focus will be on increasing knowledge and skills in the areas of assessment,
intervention planning, and service delivery, understanding and effectively responding to bias and hate incidents and crimes, facilitating “praxis” consultation, legal and ethical issues, and continued self-awareness/professional development in this area. Students will also develop a diversity related philosophy statement and technology product to be included in their counseling portfolio.

CNGC 625 Enhancing Counseling and Prevention through Technology (3 credits)
Prerequisite: Graduate level applied technology course
This advanced level course is designed for professional counselors and advanced level graduate students in Counseling who are interested in increasing their knowledge and skill in the ways technology can be used to develop, deliver and evaluate counseling and prevention services, materials and programs. The course will build upon the student’s earlier courses and experiences and will primarily focus on competency and skill building to increase student effectiveness in this area. Emphasis will be on readily available software applications whose use can be modified to enhance and customize counseling Interventions, as well as those which are integral to the functioning of the school counselor and in which familiarity and initial competency is expected by school systems. Topics will include: use of the Internet, scheduling programs, record keeping systems, presentation and publishing software applications, career and college exploration, developing customized computer-generated counseling materials, electronic mail, data management, photographic editing and importing, multimedia applications and web pages/websites. Legal and ethical issues related to the use of technology, as well as diversity issues will be threaded throughout the course. All topics will be explored from a guidance and counseling perspective. Much of the work for the course will take place within population-specific small groups.

CNGC 660 Special Topics in Counseling (1-3 credits)
Special topics of current relevance in counseling will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. This course may be taken more than once with the consent of the adviser.

Other Approved Courses:
CNGC 571 Practicum: School Guidance Counselor (PreK-8)
CNGC 572 Practicum: School Guidance Counselor (5-12)
CNGC 592 Internship in Student Affairs Counseling
CNGC 630 Child and Adolescent Psychopathology

CNGC 534 The Professional Counselor: Standards, Ethics, and Legal Issues (3 credits)
This course, which is for the graduate counseling student who intends to work in mental health or PreK-12 settings, and who is seeking licensure as a Licensed Mental Health Counselor (LMHC) or School Social Worker/School Adjustment Counselor, will examine the current trends in the area of ethical and legal issues that affect the professional counselor, as well as the process of ethical decision making. Legal and ethical issues dealing with informed consent, confidentiality, duty to warn, neglect and abuse, family rights and special education will be among the topics to be studied. Ethical standards of the ACA and codes germane to specific counseling associations will be reviewed and discussed. Guidelines and competencies for working with multicultural and other special populations will also be examined.

CNMH 564 Theories of Psychological Development (3 credits)
This course will examine traditional and contemporary theories of psychological development. Each theory will be examined from a multicultural perspective. Students who intend to work in mental health, or PreK-12 settings, and who may also be seeking licensure as either a LMHC, School Social Worker/School Adjustment Counselor or School Counselor, will learn how to apply psychological theories of development in assessing client issues and formulate appropriate interventions.

CNMH 568 Psychopathology (3 credits)
Prerequisite: CNGC 510 and CNGC 528
This course will provide an examination of the classification system, diagnostic criteria, and differential diagnosis according to the current Diagnostic and Statistical Manual of Mental Disorders (DSM). Attention will be given to issues of diversity, etiology and treatment options.

CNMH 570 Advanced Applied Counseling: Mental Health Counselor (3 credits)
Prerequisite: CNGC 510 and CNGC 528 and CNGC 535 and CNGC 534 and CNMH 568 and CNGC 520 and a practicum application approved by the Director of Fieldwork and Training
This course includes a minimum of 100 hours of field experience and is designed to provide the advanced counseling student with an opportunity to further examine and effectively apply counseling theory into practice and demonstrate this ability during the required practicum experience. Students will actively work with clients in the role of mental health counselor. Emphasis will be placed upon the application of counseling techniques to clients over the lifespan and the further refinement of the counseling student’s individual counseling style and increased self-awareness. Maximum use of clinical supervision, audio/video tape, role-play and observation will be made. Moreover, overarching issues such as multiculturalism, psychological development, technology, context, and ethics/professionalism will be integrated throughout this course. Students must submit an internship application by the first week of April for summer and fall semesters or by November for spring semester.

CNMH 571 Internship: Mental Health Counselor (3-12 credits)
Prerequisite: Successful completion of CNGC 529 and CNGC 538 and CNMH 534 and CNMH 568; and CNMH 570 or CNMH 580; and a fieldwork application approved by the Director of Fieldwork and Training
This variable credit fieldwork experience is for the advanced counseling graduate student seeking a license as a Licensed Mental Health Counselor in Massachusetts (LMHC) and/or a School Social Worker/School Adjustment Counselor. Students seeking licensure as a Licensed Mental Health Counselor (LMHC) must complete a minimum of 900 hours of fieldwork at a mental health site. Students
pursuing an LMHC and a license as a School Social Worker/ School Adjustment Counselor must complete a minimum of 450 hours of fieldwork at a mental health site and 450 hours at a school-based mental health site. Students may work 10-40 hours per 15 week semester and will register for 3 credits for each 150 hours of fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience and must attend a minimum of two seminars over their 900 total hours/18 credits of fieldwork experience. Students must submit an application by the first week of April for the summer and fall semesters or by November for the spring semester. This experience may be repeated up to three times for a minimum total of 9 credits. All fieldwork sites must conform to the current licensing regulations including having an approved on-site supervisor as defined by the Board of Registration of Allied Mental Health Professionals for a Licensed Mental Health Counselor (see 262 CMR).

CNMH 580 Advanced Applied Counseling: Mental Health Counselor - Dual License (3 credits)
Prerequisite: CNMC 510 and CNMC 528 and CNMC 534 and CNMC 535 and CNMC 568 and a practicum application approved by the Director of Fieldwork and Training.

This course includes a minimum of 100 hours of field experience and is designed to provide the advanced counseling student who intends to work in mental health or Pre-K-12 settings, and who is seeking licensure as a Licensed Mental Health Counselor (LMHC) or School Social Worker/School Adjustment Counselor, with an opportunity to further examine and effectively apply counseling theory into practice and demonstrate this ability during the required practicum experience. Students will actively work with clients in the role of mental health counselor. Emphasis will be placed upon the application of counseling techniques to clients over the lifespan and the further refinement of the counseling student's individual counseling style and increased self-awareness. Maximum use of clinical supervision audio/video tape, role play and observation will be made. Moreover, overarching issues such as multiculturalism, psychological development, technology, context, and ethics/professionalism will be integrated throughout this course. Students must submit an internship application by the first week of April for summer and fall semesters or by November for spring semester.

CNMH 582 Internship: Mental Health Counselor - Dual License (3-9 credits)
Prerequisite: Successful completion of CNMC 529 and CNMC 538 and CNMC 534 and CNMC 568; and CNMC 570 or CNMC 580; and a fieldwork application approved by the Director of Fieldwork and Training.

This variable credit fieldwork experience is for the advanced counseling graduate student who is seeking a license as a Licensed Mental Health Counselor in Massachusetts (LMHC) and a School Social Worker/School Adjustment Counselor. Students pursuing dual licensure must complete a minimum of 450 hours of fieldwork at a mental health site and 450 hours at a school-based mental health site. Students may work 10-30 hours per 15 week semester and will register for 3 credits for each 150 hours of fieldwork.
ethical reflection and the core ethical principles in student affairs practice. Students will also learn models that infuse multicultural and diversity issues throughout the ethical decision-making process. Students will gain awareness on how legal issues impact student affairs practice and policy development. Students will learn how to manage organizations and structures within student affairs and higher education, and foster collaborative approaches with key campus constituents and administrators.

CNSA 523 Foundations in Higher Education Counseling for Student Affairs Practice (3 credits)
This course is designed to provide students with an overview of the student affairs profession, its historical foundations, and its roles and functions. The course will address the college and university settings where the profession is practiced, as well as the skills and competencies needed by practitioners to address student development issues. The course will explore the relationship between academic and student affairs and the importance of applying student development theory to practical applications with college students. Students will be exposed to current issues regarding student affairs in higher education. Topics covered in the course include (but are not limited to): institutional mission, organization and administrative models in higher education, training and supervision of staff, program planning and ethical and legal issues in higher education, fiscal and budget management, and good practice in student affairs. (Formerly CNHE 523)

CNSA 525 Student Affairs Administration (3 credits)
This course is designed to provide students with an overview of student affairs and higher education administration practice. The course will address the various administrative functions for student affairs administrators, such as fiscal and budget management, organizational development, supervision, training, and evaluation of graduate and paraprofessional staff, program planning, needs assessment, fostering partnerships between academic and student affairs, and ways to integrate student development theory into administration policy and development. Students will discuss ways that administrative decision-making impacts student well-being and campus environments and how policies and procedures are created.

CNSA 530 Applied Counseling for Student Affairs Professionals (3 credits)
This course is designed to acquaint students with the counseling skills, interventions and techniques that are used within a student affairs setting. Through lectures, discussions, role-plays, demonstrations and videotaped vignettes, students will develop the skills and the conceptual frameworks that are necessary for effective counseling with college students. Students will learn basic crisis intervention strategies in order to effectively respond to a variety of mental health related issues on campus. Students will discuss appropriate referral procedures and ways to foster critical collaborative relationships with institutional and community resources. Professional ethics, legal standards, technology, developmental theories and multicultural competencies will be integrated within the practice of counseling in a student affairs capacity.

CNSA 551 Student Development Theory in Higher Education (3 credits)
This course is an introduction to student development theory and related developmental issues encountered by students in higher education settings. This course will cover: developmental issues, such as racial, sexual, gender, cognitive, ethical, and emotional identity development. Students will learn how to apply developmental theories to direct student affairs practice. Basic concepts, philosophies, and current models, practices, and issues in the field will be studied. (Formerly CNHE 551)

CNSA 560 Special Topics in Student Affairs (1-3 credits)
This variable credit course provides students with an opportunity for in-depth exploration of a current topic in student affairs. Relevant theory will be discussed, as well as concerns related to multiculturalism and diversity, technology, and ethical issues. Students may take this special topics course numerous times with permission of the Program Director or course instructor.

CNSA 570 Advanced Applied Counseling: Student Affairs Counseling (3 credits)
Prerequisite: CNGC 520 and CNGC 528 and CNCG 529 and CNCG 535 or CNSA 530 (only CNSA 530 if admitted after 511/106); and CNSA 523 and CNSA 551 and a practicum application approved by the Director of Fieldwork and Training
This course includes a minimum of 100 hours of field experience and is designed to provide the advanced student affairs counseling student with an opportunity to further examine and effectively apply counseling and student development theory to practice, and demonstrate this ability during the required practicum experience. Students will actively work with college students/students in the role of counselor under the direct supervision of a student affairs professional counselor at an approved site. Emphasis will be placed upon the application of counseling techniques to the adolescent/adult population and the further refinement of a student's individual counseling style and self-awareness. Maximum use of clinical supervision, audio/video tape, role play and observation will be made. Moreover, overarching issues such as multiculturalism, psychological development, student development, technology and context will be integrated throughout this course. (Formerly CNHE 570)

CNSA 571 Internship: Student Affairs Counselor (3-12 credits)
Prerequisite: CNGC 529 and CNGC 538 and CNSA 520 and CNSA 570, and an internship application approved by the Director of Fieldwork and Training
This variable credit fieldwork experience is for the Student Affairs student seeking experience in various higher education settings. Students must complete a minimum total of 600 hours at an approved higher education site. Students may work 10-40 hours per 15 week semester and will register for 3 credits for each 150 hours of fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits; 40 hours per week/600 total hours = 12 credits. The 40 hours per week/600 total hours/12 credit semester option is only available if the student is interning at a minimum of two different functional student affairs settings/departments. Students must submit an application by April for the fall semester or by November for the spring semester. (Formerly CNHE 572)
**SCHOOL COUNSELING (CNSG)**

**CNSG 515 Ethical and Legal Issues for the School Counselor (3 credits)**
This course will provide school counselors with a comprehensive examination of pertinent ethical issues and laws. A brief overview of the judicial system covering federal, state, and district policies will be covered as it pertains to school counselors. Course topics will include: individual and institutional rights and responsibilities, communication privileges, malpractice liability, Americans with Disabilities Act, due process, IDEA, FERPA, 504, standards of practice, and ethical codes of the American School Counselor Association and the American Counselor Association.

**CNSG 523 The School Counselor: Psychopathology and Developmental Issues (3 credits)**
An examination of child and adolescent psychological development as well as the clinical issues encountered in today's school settings. In this course, students will examine: psychological theories of development, developmental issues and crises, and learn a basic understanding of the DSM classification system and symptoms of psychopathology specific to the delivery of services delineated in the MASCA and ASCA Models.

**CNSG 524 Applied School Counseling (3 credits)**
**Prerequisite:** CNSG 510 and CNSG 528
This course is designed to teach basic counseling and delivery skills to the School Counselor working in K-12 educational settings. Students will utilize a developmental framework to employ counseling skills in the delivery of guidance curriculums, individual planning, responsive services, and system support. Students will continue to learn how to integrate professional ethics, legal standards, technology, developmental theories and multicultural competencies in the practice of school counseling.

**CNSG 563 Internship: School Counselor (5-12) (3-9 credits)**
**Prerequisite:** CNSG 529 and CNSG 523 and CNSG 580 and an internship application approved by the Director of Fieldwork and Training
This variable credit internship experience is for students who are employed in the role of a 5-12 School Counselor. Students pursuing a license as a School Counselor must complete a minimum of 600 hours of fieldwork over at least two semesters at an educational site. Students may work 10-30 hours per 15 week semester and will register for 3 credits for each 150 hours of fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience. Students must submit an application by April for the fall semester internship or by November for the spring semester internship. This experience may be repeated up to four times for a total of 12 credits.

**CNSG 570 Advanced Applied Counseling – School Counselor: (PreK-8) (3 credits)**
**Prerequisite:** CNSG 510 and CNSG 528; and CNSG 536/ CNSG 524 (only CNSG 524 if admitted after 5/1/06); and CNSG 520; and a pre-practicum application approved by the Director of Fieldwork and Training
This course includes a minimum of 100 hours of field experience at an elementary or middle school setting and is designed to provide the advanced counseling student with an opportunity to further examine and effectively apply counseling theory to practice and demonstrate this ability during the pre-practicum experience. Students will actively work with clients in the role of counselor under the direct supervision of a professional counselor at an approved site. Emphasis will be placed upon the application of counseling techniques to the pre-adolescent population and the further refinement of a student's personal counseling style and self-awareness. Maximum use of clinical supervision, audio/video tape, role-play and observation will be made. Moreover, overarching issues such as multiculturalism, psychological development, technology and context, will be integrated throughout this course.

**CNSG 571 Practicum: School Counselor (PreK-8) (3-9 credits)**
**Prerequisite:** CNSG 529 and CNSG 523 and CNSG 570 and a practicum application approved by the Director of Fieldwork and Training
This variable credit fieldwork experience is for the advanced counseling graduate student who is seeking a license as a School Counselor (PreK-8) in Massachusetts. Students pursuing a license as a School Counselor must complete a minimum of 600 hours of fieldwork over at least two semesters at an educational site. Students may work 10-30 hours per 15 week semester and will register for 3 credits for each 150 hours of fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits; 20 hours per week/300 total hours = 6 credits; 30 hours per week/450 total hours = 9 credits. Students must attend a clinical seminar each semester they are involved in field experience. Students must submit an application by April for the fall semester internship or by November for the spring semester internship. This experience may be repeated up to four times for a total of 12 credits.

**CNSG 580 Advanced Applied Counseling – School Counselor: (5-12) (3 credits)**
**Prerequisite:** CNSG 510 and CNSG 528; and CNSG 535 or CNSG 524 (only CNSG 524 if admitted after 5/1/06); and CNSG 520; and a pre-practicum application approved by the Director of Fieldwork and Training
This course includes a minimum of 100 hours of field experience at a middle school or high school setting and is designed to provide the advanced counseling student with an opportunity to further examine and effectively apply counseling theory to practice and demonstrate this ability during the required pre-practicum experience. Students will actively work with clients in the role of counselor under the direct supervision of a professional counselor at an approved site. Emphasis will be placed upon the application of counseling techniques to the adolescent population and the further refinement of a student’s personal counseling style and self-awareness. Maximum use of clinical supervision, audio/video tape, role-play and obser-
 Course Descriptions

viation will be made. Moreover, overarching issues such as multiculturalism, psychological development, technology and context, will be integrated throughout this course.

CNSG 581 Practicum: School Counselor (5-12)
(3-9 credits)
Prerequisite: CNSG 529 and CNSG 523 and CNSG 580 and a practicum application approved by the Director of Fieldwork and Training
This variable credit fieldwork experience is for the advanced counseling graduate student who is seeking a license as a School Counselor (5-12) in Massachusetts. Students pursuing a license as a School Counselor must complete a minimum of 600 hours of fieldwork over at least two semesters at an educational site. Students may work 10-30 hours per 15 week semester and will register for 3 credits for each 150 hours of fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = 3 credits. Students must attend a clinical seminar each semester they are involved in field experience. Students must submit an application by April for the fall semester internship or by November for the spring semester internship. This experience may be repeated up to four times for a total of 12 credits.

CNSG 605 Orientation to Capstone Experience (1 credit)
Prerequisite: Admission to CAGS in School Counseling Program
This orientation course provides students at the beginning of their CAGS program with the knowledge to begin work on the capstone portfolio which is completed at the end of their program. This two-part course is a capstone experience for graduating CAGS students in School Counseling to develop a portfolio that synthesizes and demonstrates mastery in the competencies critical to the functioning of the professional counselor. This orientation course is designed to produce a portfolio that crosses and integrates theoretical domains and experience with fabrics related to the effective practice of counseling. This eclectic portfolio will include various projects such as writing, research, technology, publications, presentations at conferences, or other similar professional activities.

CNSG 607 Capstone Experience (2 credits)
Prerequisite: Admission to CAGS in School Counseling Program and completion of all courses in the CAGS Program
This course is designed to actualize the student's original capstone plan in conjunction with coursework and experience that culminate in a portfolio. The course is a capstone experience for graduating CAGS students in the School Counseling program. The focus is to develop a portfolio that synthesizes and demonstrates mastery in the competencies critical to the functioning of the professional counselor. The capstone experience is designed to produce a portfolio that crosses and integrates theoretical domains and experience with fabrics related to the effective practice of counseling. This eclectic portfolio will include various projects such as: writing, research, technology, publications, presentations at conferences, or other similar professional activities.

CNSG 615 Legal and Ethical Issues for the School Counselor (3 credits)
This advanced level course will provide school counselors with a comprehensive examination of pertinent ethical issues, standards, and laws. A brief overview of the judicial system - both federal and Massachusetts state policies - will be covered as they pertain to the work of school counselors. Course topics will include: individual and institutional rights and responsibilities, communication privileges, malpractice liability, Americans with Disabilities Act, due process, IDEA, standards of practice, and the ethical codes of school counselors and the American Counselor Association.

Other Approved Courses:
CNSG 561 Internship: School Counselor (PreK-8)
CNSG 562 Internship II: School Guidance Counselor (PreK-8)
CNSG 564 Internship II: School Guidance Counselor (5-12)
CNSG 572 Practicum II: School Guidance Counselor (PreK-8)
CNSG 582 Practicum II: School Guidance Counselor (5-12)

COMMUNICATION DISORDERS (COMD)

COMD 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest.
Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

COMD 220 Introduction to Communication Sciences and Disorders (3 credits)
An introduction to speech, language and hearing disorders in children and adults. Disorders of functional, structural and neurological etiologies will be discussed. Either semester

COMD 231 Sign Language I (3 credits)
History and development of manual communication and deaf culture in the United States. Focus on contact signing and American Sign Language through vocabulary development and beginning conversational skills. Either semester

COMD 232 Sign Language II (3 credits)
Prerequisite: COMD 231
A more advanced course in sign language with an emphasis on conversational skills through vocabulary and grammar development. Aspects of the deaf culture will be addressed. Fall and spring

COMD 281 Speech Anatomy and Physiology (3 credits)
Introduction to the study of the anatomy and physiology of systems involved in speech, language, and hearing, and their relationships to disorders of communication. Fall semester

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
**Course Descriptions**

**COMD 282 Speech and Hearing Science (3 credits)**
An introductory course as it relates to normal aspects of speech, hearing, and language. Physiological elements of speech production, speech acoustics, auditory physiology and the psychophysics of sound reception. **Spring semester**

**COMD 290 Language Acquisition and Development (3 credits)**
An overview of the normal language acquisition and development process though the life span. Emphasis on the years birth though school age. Theories of language development, rule systems of English, stage of language development, individual and cultural differences, prevention of language problems, and techniques for collecting and analyzing a language sample will be addressed. **Either semester**

**COMD 294 Phonetics (3 credits)**
Analysis and transcription of speech sound systems. **Spring semester**

**COMD 298 Second Year Seminar (Speaking Intensive) (3 credits)**
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. *(CSYS)*

**COMD 299 Second Year Seminar (Writing Intensive) (3 credits)**
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. *(CSYS)*

**COMD 312 Language Disorders in Children (3 credits)**
Prerequisite: COMD 220, COMD 290
Etiology, diagnosis, evaluation, cultural differences, and treatment of language-impaired children. Clinical case material will be discussed and analyzed. Introduction to diagnostic tools and evaluations methodology. Basic theoretical constructs pertaining to the treatment of the language-impaired populations from birth through high school. **Spring semester**

**COMD 313 Phonology and Articulation Disorders (3 credits)**
Prerequisite: COMD 220, COMD 281 or COMD 282, COMD 294
This course is a study of normal and abnormal phonology and articulation, including etiology, prevention, diagnosis, assessment, cultural differences, and treatment of phonology and articulation disorders. Use of distinctive feature theory, phonological process analysis, and traditional phonetic approaches will be covered. **Fall semester**

**COMD 325 Voice Disorders in Children and Adults (3 credits)**
Prerequisite: COMD 220, COMD 281, COMD 282
An introduction to etiology, diagnosis, and remediation of voice disorders and associated pathological conditions. **Spring semester**

**COMD 351 Introduction to Audiology (3 credits)**
Prerequisite: COMD 281, COMD 282
An introduction to the science of Audiology including: transmission and measurement of sound to the human ear; anatomy, physiology, and neurology of hearing mechanisms; related pathological conditions; screening and measurement of hearing; and audiogram interpretation. **Fall semester**

**COMD 352 Clinical Audiology (3 credits)**
Prerequisite: COMD 351
Study of the measurement of hearing including basic tests as well as tests used for differential diagnosis of auditory disorders. Two lecture periods and one two-hour laboratory period weekly. **Spring semester**

**COMD 381 Neurological Bases of Speech and Language (3 credits)**
Prerequisite: COMD 220 and COMD 281 and COMD 282 and COMD 290
This course will present an overview of the neurological, anatomical and physiological bases of speech and language in order to more fully understand the disorders’ processes. The neurological effects of stroke, traumatic brain injury, and degenerative neurological disease and the concomitant effects on speech and language will be discussed. **Spring semester**

**COMD 391 Understanding Language and Linguistics within the Clinical Process (3 credits)**
Prerequisite: COMD 220 and COMD 281 and COMD 282 and COMD 290
This course is designed to provide Communication Disorders students who already have an understanding of the normal language acquisition process with an overview of the field of linguistics. The universal properties and systematic aspects of languages will be explored. The students will develop their metalinguistic awareness through discussion of language variation, attitudes about lan-

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**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.

**Note:** See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
guage, language contact and diversity, language change, and visual languages. Application of this information to the speech-language pathologist's role in the language acquisition process and in clinical treatment of language disorders and language differences will be addressed. **Summer**

**COMD 393 Aural Rehabilitation (3 credits)**
Prerequisite: COMD 351 and COMD 352
Habilitation and rehabilitation for the hard of hearing including assessment and therapy procedures related to auditory training, speech reading, language therapy, and hearing aid training. Educational management and counseling strategies will also be addressed. **Fall semester**

**COMD 399 Topical Studies (3 credits)**
Variable contemporary topics in communication disorders. This course may be repeated for different topics. **Spring semester**

**COMD 440 Clinical Practicum: Audiology (1-3 credits)**
Prerequisite: COMD 352, a minimum cumulative GPA of 2.75, a minimum GPA of 2.75 in communication disorders courses, and consent of the communication disorders faculty
This course provides clinical experience in audiology. Clinical hours obtained can be credited toward A.S.H.A. hours. Activities will include hearing screening and diagnostic testing in various settings. The course may be repeated once. **Either semester**

**COMD 451 Clinical Strategies in Communication (3 credits)**
Prerequisite: COMD 312, COMD 313, COMD 325, a minimum cumulative GPA of 2.75 and a minimum GPA of 2.75 in the major and consent of the communication disorders faculty
The objective of this course is to introduce the student to intervention strategies and skills used in assessment of children and adults with communication disorders. It will be taken in the fall semester of the senior year by all students who elect the practicum track. **Fall semester**

**COMD 452 Speech-Language Therapy Techniques (3 credits)**
Prerequisites: COMD 312 and COMD 313 and COMD 351 and COMD 480
This course is designed to familiarize students with the process of intervention. Basic principles of therapy will be discussed and specific techniques used in the treatment of a variety of communication disorders will be introduced. Areas addressed include: speech therapy programming, the effects of culture on clinical interactions, behavior modification, session design, data collection, documentation, accountability and use of the supervisory process. This course is recommended for students who have not elected the practicum track.

**COMD 480 Clinical Procedures: An Overview (3 credits)**
Professional behavior, responsibilities, and ethics will be presented followed by an introduction to the clinical process. The need for consideration of cultural diversity and treatment throughout the lifespan will be emphasized. Through completion of 25 observation hours, the students will have the opportunity to demonstrate integration of concepts presented throughout the communication disorders curriculum. **Either semester**

**COMD 490 Clinical Practicum: Speech Pathology (1-5 credits)**
Prerequisite: COMD 312, COMD 313, COMD 325, a minimum cumulative GPA of 2.75, a minimum GPA of 2.75 in communication disorders courses, and consent of the communication disorders faculty
This is a clinical experience in speech pathology. Clinical hours obtained can be credited towards A.S.H.A. hours. Activities will be determined by student need, experience and academic preparation. Initially the student will register for one credit to be taken concurrently with COMD 451. May be repeated once.

**COMD 499 Directed Study in Communication Disorders (1-3 credits)**
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. **Either semester**

**Other Approved Courses:**
COMD 338-339 Honors Tutorial
COMD 485 Honors Thesis
COMD 502 Research
COMD 503 Directed Study

**COMMUNICATION STUDIES (COMM)**

**COMM 110 Forensics Practicum (1 credit)**
Credit is given for sixty or more hours of intercollegiate debate and competitive speaking at intercollegiate tournaments. Maximum of 3 credit hours to be used toward a major or minor in Communication Studies. Graded on a (P) Pass/No Pass basis. This course may be repeated. **Either semester**

**COM 130 Human Communication Skills (3 credits)**
This course is designed to foster competence and improve performance in all areas of communication. Through participative learning, the student will demonstrate those skills necessary to communicate effectively in interpersonal, group and public communication situations. **Either semester**

**COM 135-136 Freshman Honors Colloquium (1 credit each semester)**
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Communication Studies allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is 12. Topics vary from semester to semester. **COMM 135 fall semester, COMM 136 spring semester**

*May be taken for graduate level credit

**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

COMM 150 Practicum in Communication Media (1 credit)
This course provides students with a faculty supervised applied learning experience in connection with electronic media on campus. A minimum of 60 hours per week of work is required. This course may be taken no more than twice for credit within the major. Graded on a (P) Pass/(N) No Pass basis. This course may be repeated. Either semester

COMM 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

COMM 210 Voice and Diction (3 credits)
Analysis of each student's habits of respiration, phonation, and articulation; exercises designed to correct poor habits. Physics and physiology of the vocal mechanism. Training in perception, differentiation and production of the standard sounds of good American speech. Either semester

COMM 212 Announcing (3 credits)
Prerequisite: COMM 210
For students interested in broadcasting careers in radio and television. Key areas include radio and television announcing, interviewing techniques, narration and talk programs, sports and newscasting. Either semester

COMM 214 Radio Production (3 credits)
Audio theory, programming and production, station management, and relation of radio to record industry, working as a member of a production team in writing, producing and editing on-air production.

COMM 215 Television Studio Production (Television Production I) (3 credits)
Learn equipment, direct live or live on tape, edit, cue audio and video. Team production of news, talk shows.

COMM 220 Introduction to Mass Communication (3 credits)
This course provides a review of the historical development of mass communication and the current status of the industry. It includes an examination of the daily operations of print communication and broadcast communication industries and a brief consideration of career opportunities. Either semester

COMM 221 Foundations of Communication (3 credits)
Prerequisite: COMM 130
This course provides students with a well-rounded foundation of communication as an academic discipline. It also surveys communication study from Aristotle’s time to the 21st century; including an examination of the emergence of mass media and its impact on human communication.

COMM 222 Communication Studies Theory (3 credits)
Prerequisite: COMM 130
This course introduces students to the study and analysis of various theoretical perspectives in communication: interpersonal, group and public, mass and intercultural communication. We ask questions about the nature and effects of human communication in terms of theory building in major approaches to communication studies. Our goal is to clarify and understand both the history of the academic discipline of communication as well as recognize the significant contributions in the development of communication within a variety of its fields of study.

COMM 224 Communication Studies Research (3 credits)
Prerequisite: COMM 130
This course provides an introduction to communication research areas, methods and writing style. This course will also examine research methods commonly used in the field of communication studies, both quantitative and qualitative, and how research articles are prepared. The end result will be the successful completion of a proposal for a research project in communication.

COMM 225 Film as Communication (3 credits)
This course is a survey of the development of the motion picture as a medium of communication, with an emphasis on films and practices of the popular American cinema. The course introduces students to ways in which to understand and analyze film as a form of communication. The course instructs students to analyze mise en scene elements (i.e. script construction, staging, lighting, sound and music, framing, editing techniques, special effects and the impact of digital technologies) and how these impact narrative framing and viewer understandings and responses. Every semester

COMM 227 Multimedia Design for Public Relations (3 credits)
Prerequisite: COMM 301
This course is designed to introduce students to computerized publishing processes. Students focus on the following: page make-up and design using desktop publishing software, use and manipulation of photographs and graphic elements, and final output of published material using different multimedia processes. Students develop a concept, produce documents, brochures, newsletters and specialty publications.

COMM 229 Foundations of Media Studies (3 credits)
Prerequisite: COMM 221
The primary objective of this course is to foster a broad understanding of the field, hone critical skills and increase understanding of the theoretical and philosophical discussions taking place in media studies. The course considers questions such as the interrelationships between production and consumption, the notion of what constitutes a “text,” and the ways in which social power shapes how we understand and experience media.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridge.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
COMM 230 Introduction to Communication (3 credits)
Prerequisite: COMM 130 or consent of the instructor
Historical overview of main figures and schools of thought in communication from classical times to present. Application of the traditional concepts to contemporary areas, e.g., interpersonal, small group and public communication. Emphasis on the importance of communication to the development of self, knowing and society. Either semester

COMM 240 Introduction to Journalism (3 credits)
Introduction to Journalism is designed to acquaint students with news decision-making newsroom operations, reporting, writing, editing, and Associated Press style guidelines. The course is laboratory-based and has substantial reporting, writing, and editing assignments.

COMM 250 Public Speaking (3 credits)
Study, evaluation and analysis of speech preparation with frequent practice of various speech types. Informative, persuasive and special occasion topics emphasized. Either semester (CSPK)

COMM 260 Group Communication and Decision Making (3 credits)
Extends theoretical knowledge of small group behavior. Stress will be on implementation of theories in such areas as leadership, roles of group members, conflict management, reasoning, argument and problem solving. Either semester

COMM 270 Interpersonal Communication (3 credits)
The description and analysis of interpersonal interaction and human relationships as they occur in everyday settings. Either semester

COMM 286-287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Sophomore Honors Colloquium in Communication Studies allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. COMM 286 fall semester, COMM 287 spring semester

COMM 288 Communication Colloquium (1 credit)
Prerequisite: COMM 130
This course offers an introduction to a communication studies topic. Topics vary from semester to semester. This course is repeatable for different topics up to 3 credits.

COMM 290 Beginning Videography (3 credits)
Prerequisite: COMM 215
This course is a study of the styles and techniques of video production. Students work with the different elements of video production such as camera, sound, editing and script. Offered once a year

COMM 291 Video Editing (3 credits)
Prerequisite: COMM 215
This course teaches video editing, focusing on postproduction skills and techniques, specifically how to shoot video with attention to the process, rhythm and continuity, target audience and how to input meaning through production codes. Students will learn to edit on analogue and digital systems, to cut existing video, and to organize video they have shot according to a variety of editing styles.

COMM 295 Communications Studies Research (3 credits)
Prerequisite: COMM 130, COMM 220 and COMM 230
This course provides an introduction to communication research, methods, and writing style.

COMM 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

COMM 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

COMM 300 Television, Minorities, and Cultural Diversity (3 credits)
Roles and images of Blacks and other minorities as portrayed in radio and television. Also examines economic and aesthetic participation of minorities in programming decisions, reflecting ethnic and multicultural dimensions of programming. Once a year

COMM 301 Introduction to Public Relations (3 credits)
Prerequisite: COMM 130
This course provides the student with a knowledge of the history, goals, objectives and skills associated with
public relations. It offers students an opportunity to utilize acquired communication skills in a specific career area as well as giving students the opportunity to acquire writing, reasoning, listening, speaking and other skills required in public relations work. Case study analysis and hands-on applications are primary teaching/learning methodologies. 

Either semester

COMM 303 Introduction to Organizational Communication (3 credits)
Prerequisite: COMM 130 and COMM 230
Analysis of communication problems in modern complex organizations, theory and practice. Spring semester

COMM 305 Advanced Forensics Laboratory (3 credits)
Prerequisite: COMM 110 or consent of the instructor
After advanced individual work in speech composition and delivery, the student will be required to prepare a variety of speech types for intercollegiate competition. Fall semester

COMM 310 Film History: Western Cinema (3 credits)
Prerequisite: COMM 225 or consent of the instructor
This survey course explores the historical, cultural, and artistic development of the American and European fiction film industries through the study of topics such as film movements (Italian Neorealism), industrial practices (the blockbuster), and screen giants (Orson Wells). The course combines weekly full-length feature viewings with lectures, group discussions, and written assignments. Offered once yearly

COMM 311 Media Literacy (3 credits)
Prerequisite: COMM 229
This course offers both a cultural contextualization of mass-, computer-, and electronically-mediated communication and the tools by which students can access, analyze, evaluate, use and create media forms and content. An emphasis is placed on fostering the critical analysis and interpretation skills that contribute to the development of well-informed, independent-thinking citizens.

COMM 312 Writing for Public Relations (3 credits)
Prerequisite: COMM 301
This course will offer the student writing experience in various forms of public relations including writing assignments that would be typical in both nonprofit and business organizations. Included are press releases, brochures, newsletters, feature stories and speeches. The computer is the essential technology for this course. Either semester

COMM 320 Mass Communication in Society (3 credits)
Prerequisite: COMM 220 or equivalent
This course reviews theory and research in the field of mass communication. Special attention will be paid to the evolution of the concept of the mass audience and current concerns about the effects of media content on individuals and society. Fall semester

COMM 325 Broadcast Newswriting (3 credits)
This course offers instruction in the writing of news and public affairs copy for radio and television. News gathering and writing assignments will be given weekly.

COMM 330 Business and Professional Communication (3 credits)
Increases levels of competence in negotiating, interviewing, evaluating, leading and presentational skills. This course stresses abilities needed to attain cooperation and exert influence in corporate and public sector work environments. Either semester

COMM 335 News and Politics (3 credits)
Prerequisite: COMM 220
Students develop an understanding of political, social, and cultural events as they affect print and electronic journalism. Once a year

COMM 337 Public Relations Theory (3 credits)
Prerequisite: COMM 301
This course examines theories in the field of public relations. Students will focus on the relationship between public relations and theory, discussing public relations from the lens of specific humanistic and social science theories. Special consideration of the value of theory to public relations and recent major theoretical movements in the field will be discussed.

COMM 338-339 Honors Tutorial (3 credits each semester)
Prerequisite: Open to Commonwealth and Departmental Honors students, consent of the department
Special topics in speech communication. Three hourly meetings weekly. COMM 338 Fall semester; COMM 339 Spring semester

COMM 340 Communication in the Family (3 credits)
Prerequisite: COMM 130
This course examines family interaction patterns and ways in which family members communicate, make decisions, and settle conflict. Students examine portrayals of families in media and film in order to compare these images to scholarly research in communication studies. Course work focuses on analysis of communication behaviors and activities of family members as these contribute to the development and maintenance of family relationships and systems.

COMM 341 Public Relations Case Studies (3 credits)
Prerequisite: COMM 301
This course addresses crucial dimensions of strategic planning and implementation of public relations programs and campaigns. Focus will be on managerial decision-making role, strategies of communication selected, and the evaluation of the PR campaigns. Cases will be from business, government and the non-profit sector. Every other semester

COMM 343 Nonverbal Communication (3 credits)
Prerequisite: COMM 130, COMM 250 and COMM 260
This course is designed to provide the student with theoretical knowledge and practical analytical application of the field of nonverbal communication and its importance in the field of communication.

COMM 345 Writing for Radio and Television (3 credits)
Prerequisite: Consent of the instructor
Course includes sports, documentaries, interviews, commercials, PSAs, and/or comedy. Requires knowledge of production elements used in radio and television.

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COMM/INTD/PSYC 349 Perspectives on the Holocaust (3 credits)
Prerequisite: COMM 130 and PSYC 100
This course introduces students to the study of the Holocaust. It examines the atmosphere and events that allowed the systematic extermination of 11 million non-combatants, including six million Jews. Multidisciplinary in approach, the course draws principally upon psychology and communication studies. Additionally, a variety of social science perspectives are utilized. Recommended for juniors and seniors. Offered once each year.

COMM 350 Documentary Film (3 credits)
Prerequisite: Consent of instructor.
The course will examine the varying ways in which documentary film can illuminate the human condition or explore critical cultural issues facing society. Students will view several different styles of documentary and analyze the effectiveness of filmmakers’ techniques and choices. Films studied may include works by Flaherty, Grierson, Lorentz, Riefenstahl, and Wiseman.

COMM 353 Corporate Communications and Social Responsibility (3 credits)
Prerequisite: COMM 301 or COMM 302
This course introduces students to the study of the ethics in decision making concerning various communication practices within public relations and organizational communication. It introduces questions about the ethics and values of human communication in terms of the outcomes for the individual, the organization and greater society.

COMM 355 Images of Gender in Media (3 credits)
Prerequisite: COMM 220
This course considers images of men and women in contemporary media forms, including film, television and magazines. Students will learn to think about media images as products of social values and as consumer commodities, analyzing how gender is socially constructed via body type, social roles, subcultures, and consumer values, among other things. Students will also consider how images affect the way we construct our selves and our lives.

COMM 356 International Study in Communication (3 credits)
Prerequisite: Application through the International Programs Office
This short-term international study course offers students first-hand exposure and interaction with foreign culture, customs, and patterns of communication. Each faculty-led course includes pre-departure orientation sessions, lessons, and activities at an international destination. Instruction will be in English. Course destinations and topics will vary. Contact the Communication Studies Department or the International Programs Office for current study course details. Students may enroll more that once for different destinations and topics.

COMM 360 Argumentation and Advocacy (3 credits)
The theory and practice of argument in various fields, including debate, public address, and interpersonal communication, will be explored.

COMM 361 Gender Communication (3 credits)
Prerequisite: COMM 130
This course investigates gender communication and its impact on the development of our gender identities as well as on the choices we make as communicators in our personal and public communications settings. An exploration of the concept of genderlect will be provided by reviewing its theoretical underpinnings, research and the practical applications which can be used to enhance communication effectiveness between genders.

COMM 362 American Public Address (3 credits)
Prerequisite: COMM 130
American Public Address is the study of the great speakers and great speeches which contributed to the development of the nation. The national issues are examined through the rhetoric of each era. Students will interpret arguments, cases, adaptive strategies and rhetorical choices.

COMM/POLI 364 Political Communication (3 credits)
Prerequisite: Restricted to juniors or above or consent of the instructor
This class surveys political communication with an emphasis on forms, characteristics, and functions within political campaigns and institutional governance. Specific attention will be given to communication of the three branches of government. Students will gain a broad knowledge of how political communication can shape expectations and interpretations of current events, political actors, and the political process.

COMM 365 Introduction to Intercultural Communication (3 credits)
Introduction to Intercultural Communication is a course designed to acquaint students with the factors which affect interpersonal relationships among people of differing cultural backgrounds. Foreign as well as native-born persons are encouraged to take the course. Course objectives are to enable students to become more sensitive to and tolerant of values and ideas expressed by others. Spring semester (CSOC; CMCL)

COMM 366 Advanced Audio Production (3 credits)
Prerequisite: COMM 214
This course is an advanced examination of creating, writing, and producing audio materials for radio programming, television and film production, and for podcast and webcast. It also includes an in-depth analysis of the medium, including commercials, news, features, documentaries, and special programs.

COMM 370 Screenwriting (3 credits)
Prerequisite: COMM 215 or COMM 290 or consent of the instructor
This course introduces students to the theory, craft, and business of film writing. Using a mixture of screenwriting texts, video and Internet assignments, and individual and group activities, students will become familiar with key screenwriting concepts such as character development and three-act structure. No prior screenwriting experience is required, but a desire to think creatively and learn a craft through writing and revision is a must. Offered every other year.

*Additional fee required

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COMM 371 Global Cinema (3 credits)
Prerequisite: COMM 225 and COMM 229 and COMM 311 or consent of instructor
This course surveys the breadth of cinema around the globe, investigating a range of international films, movements, and traditions.

COMM 380 Broadcast Station Administration (3 credits)
Teaches students the fundamentals of radio and television programming and management. Programming for both public and commercial stations. The problems of station management will be covered including regulations, personnel, sales, economics, program sources, grant writing, ratings and research. Provides students with comprehensive assessment of the broadcast management experience.

COMM 390 Television Direction (Documentary) (3 credits)
Prerequisite: COMM 290 or COMM 291
This course will work with elements of television direction including script writing, storyboard, composition, framing, lighting, camera movement, music audio and sound effects, and utilizing talent, format and genres of documentary video. Fall semester

COMM 391 Public Relations Practicum (3 credits)
Prerequisite: COMM 301
This course is designed to provide students with the opportunity to integrate their communication skills through supervised application of these skills in a public relations setting. Using a 30 hour required field experience as a focal point, students will utilize research, organizational thinking, writing and speaking skills throughout the semester. Either semester

COMM 395 Communication Theory (3 credits)
Prerequisite: COMM 130, COMM 230 and COMM 295
Focus on contemporary perspectives vital to understanding and critiquing communication, public communication, and rhetoric. Either semester

COMM 396 Mass Communication Theory and Research (3 credits)
Prerequisite: COMM 220, COMM 295
Historical-critical look at various theories of mass communication. May include past and present media research theory and techniques, including focus groups, rating systems, UPC codes and public opinion polling. Either semester

COMM 397 Cyber Culture and Digital Media (3 credits)
Prerequisite: COMM 229
This course examines the Internet and related digital and new-media technologies as communication within a range of economic, political, and cultural contexts. The core of this investigation focuses on the ways in which digital media offer innovative channels for humans to share messages and make meaning, with emphasis on the interrelated issues of access (digital divide) and the increasingly global nature of digital communication (globalization). Through a variety of online and in-class individual and group exercises, students will learn and use basic Internet and new media skills, and develop critical-thinking skills while exploring new media environments.

COMM 399 Topical Studies (3 credits)
Prerequisite: Dependent on topic
Variable contemporary topics in communication. This course may be repeated for different topics. Either semester

COMM 401 Film Theory and Criticism (3 credits)
Prerequisite: COMM 225 and COMM 229 and COMM 311 or consent of instructor
This course develops an advanced understanding of film as a complex cultural medium through the discussion of key theoretical and critical approaches. Theoretical and critical approaches discussed may include the following: realist theory, genre criticism, auteur theory, structuralism, feminist theory, and journalistic criticism. The course combines weekly feature-length viewings with lectures, group discussions, and written assignments.

COMM 402 Interpersonal Conflict Resolution (3 credits)
Prerequisite: COMM 270 or consent of the instructor
This course introduces the theory, research and practice associated with interpersonal conflict resolution. Students seeking careers in public relations, sales, business, organizational development and advocacy will benefit from this analysis of communication processes. Fall semester

COMM 415 Advanced Television Production (Features) (3 credits)
Prerequisite: COMM 390
This course will give students television production experience. Topics will include scripting, budgeting, pre- and post-production protocols, copyright and legal issues, studio and field production considerations, aesthetic issues, and editing. The course will culminate in a 25-30 minute television project produced and directed by the student for his/her portfolio.

COMM 426 Critical Perspectives on Mass Communication (3 credits)
Prerequisite: COMM 320
This course focuses on theories of mass communication used for critiquing the major forms of mass media around the world. The theories include dramatism, semiotics, Marxist view, popular culture and rhetorical analysis.

COMM 430 Topics in Film (3 credits)
Prerequisite: Consent of instructor
This course offers the basics of film study and analysis in dominant and avant garde cinema. It exposes students to a diverse range of subject matter to provide a familiarity with aspects of a particular film style, movement, culture, media and/or film technology. Topics include but are not limited to: various international directors, postmodernism, Francophone, Soviet, Swedish, and Scandinavian, satire and parody, film noir, and other genres and auteurs. The course may be repeated for different topics.

COMM 450 Persuasion (3 credits)
Prerequisite: COMM 295 and COMM 395
This course will examine persuasion as a tool for modifying the beliefs, attitudes and behaviors of others. Applications of persuasion to the fields of communication and mass communication including advertising, public relations, marketing, programming, and station management,

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as well as the social and political dimensions of democracy. Offered once a year

COMM 462 Patterns of International Communication (3 credits)
Prerequisite: COMM 130
A study of communication systems throughout the world. Students will focus on media as it functions within a variety of political systems. Spring semester (CGCL)

COMM 470 Organizational Communication: Events Planning (3 credits)
Prerequisite: COMM 303
In this class, students will analyze ways in which organizations communicate their image and message through events and promotions. Students will learn advanced organizational communication theory as it relates to events planning and will gain significant practice in planning, critiquing, and analyzing events through case studies and attendance at actual events. Students will apply the theory to a practical, on-campus experience. The course will be taught using lecture, online assignments, class discussion, and out-of-class project assignments.

COMM 472 Communication Training and Development (3 credits)
Prerequisite: COMM 130 and two of the following: COMM 250, COMM 260, COMM 270
In this course, students will learn the theory of Communication Training and Development, and learn how to apply that theory in specific interpersonal, group, public and organizational contexts. Once a year

COMM 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester

COMM 492 Seminar in Corporate Communication (3 credits)
Prerequisite: COMM 303
This seminar will pursue in depth selected themes and topics in the areas of public relations and organizational communication.

COMM 495 Communication Studies Seminar (3 credits)
Prerequisite: COMM 291 and COMM 395
This seminar will pursue in depth certain themes and topics in the area of the communication studies. Either semester (CWRM)

COMM 496 Seminar in Media Studies and Communication Technologies (3 credits)
Prerequisite: COMM 221 and COMM 222 and COMM 224 and COMM 229 and COMM 331 or senior standing
This seminar will pursue, in depth, certain themes and topics in the area of media studies and communication technologies. Either semester (CWRM)

COMM 497 Communication in the Classroom (1-3 credits)
Prerequisite: Matriculation into an education program
This course is designed to provide a student majoring in any education program with practical skills and knowledge associated with communication in the classroom, school and community.

COMM 498 Internship in Communication (3-12 credits)
Prerequisite: Consent of the department, formal application required
A non-classroom experience designed for a limited number of junior and senior majors to complement their academic preparation. Limited to 3-12 credits unless special circumstances at the work site require more involvement. Only 3 credits may be applied to the major elective requirement. Graded on a (P) Pass/(N) No Pass basis. Either semester

COMM 499 Directed Study in Communication (1-3 credits)
Prerequisite: Consent of the department, formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

Other Approved Courses:
COMM 280 Developing Creativity
COMM 352 Advanced Group Communication and Leadership
COMM 375 Broadcast Programming

COMPUTER SCIENCE (COMF, COMP)

COMP 101 Computer Science I (3 credits)
A first course in programming. Introductory concepts of computer organization, Problem solving methods and algorithmic development stressing good programming style and documentation including top down and modular design. This course emphasizes problem solving with programming exercises run on the computer. Either semester

COMP 102 Computer Science II (3 credits)
Prerequisite: COMP 101
Advanced programming techniques. Introduction to basic aspects of recursion. In core search and sort methods, simple data structures, subroutines and parameters and algorithmic analysis. Techniques of algorithmic development and programming will be stressed. The emphasis on good programming style and documentation begun in COMP 101 will be continued. Either semester

COMP 105 Computers and Their Applications: An Introduction (3 credits)
The goal of this course is to provide a student with no previous computer experience the opportunity to become computer literate. The course consists of equal parts of textbook/lecture learning and hands on experience with

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

software such as an operating system, a spreadsheet, a word processor, presentation graphics and internet services including electronic mail. The course is especially recommended for the new PC user but does not fulfill any requirements of the computer science major.

COMP 135-136 Freshman Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Computer Science allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for 50 minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is 12. Topics vary from semester to semester. COMP 135 fall semester, COMP 136 spring semester

COMP 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

COMP 201 Assembly Language Programming (3 credits)
Prerequisite: COMP 102
A basic course in machine-level programming. Number systems and data representation; arithmetic and logical instructions, indexing, I/O, subroutines; structure and modularity of programs and data at the machine level. Macro definition, recursion. This course will emphasize programming in assembly language. Fall semester

COMP 203 Programming and Computer Algebra (3 credits)
Prerequisite: MATH 151 or MATH 141 which may be taken concurrently
Note: A mathematics or computer science major who has successfully completed COMP 101 may not take this course for credit.
The student will solve problems by writing computer programs that include input, output, and control structures (sequence, selection, repetition). In addition, the student will learn and use some of the tools of a computer algebra system, and do programming in the system.

COMP 206 Introduction to Computer Organization (3 credits)
Prerequisite: COMP 201
Organization and structure of the major hardware components of computers. Mechanics of information transfer and control within a digital computer system. Fundamen-}

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Course Descriptions

COMP 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: COMP 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if COMP 298 is taken for credit. Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reframe, share, and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

COMP 330 Data Structures and Algorithms (3 credits)
Prerequisite: COMP 102
Static, semistatic, and dynamic data structures. Techniques for the analysis and design of efficient algorithms which act on data structures. Topics will include arrays, records, stacks, queues, deque, linked lists, trees, graphs, sorting and searching algorithms, algorithms for insertion and deletion and the analysis and comparison of algorithms. Spring semester

COMP 338-339 Honors Tutorial (3 credits each semester)
Prerequisite: Open to Commonwealth and Departmental Honors students and consent of the department
Special topics in Computer Science. Three hourly meetings weekly. COMP 338 Fall semester, COMP 339 Spring semester

COMP 340 Organization of Programming Languages (3 credits)
Prerequisite: COMP 201, MATH 130, COMP 330
An introduction to the structure of programming languages. Formal specification of syntax and semantics; structure of algorithmic, list processing, string manipulation, data description, and simulation languages; basic data types, operations, statement types, and program structure; run-time representation of program and data. Particular emphasis placed on block-structured languages (ALGOL-68, Pascal, Ada, C) and interpreted languages (APL, LISP, SNOBOL). Programming assignments made in several languages. Spring semester

COMP 345 Compiler Construction (3 credits)
Prerequisite: COMP 330, COMP 340
Compiler structure; lexisys, syntax analysis, grammars, description of programming language, automatically constructed recognizers, and error recovery; semantic analysis, semantic languages, semantic processes, optimization techniques, and extendible compilers. Students will write a sample compiler.

COMP 350 Operating Systems (3 credits)
Prerequisite: COMP 206, COMP 330
Discussion of the organization and structure of operating systems for various modes of computer use from simple batch systems to time-sharing/multiprocessing systems. Topics include concurrent processing, memory management, deadlock, file systems, scheduling, etc. Programming assignments made in a high-level language with concurrent processing feature. Fall semester

COMP 395 Computer Science Seminar (3 credits)
Prerequisite: A minimum of 24 approved hours in computer science and consent of the department
Interdisciplinary uses of computers. Problems arising through the increasing use of computers in our society. Seminar will be project oriented and students will present their work to the class for discussion and criticism.

COMP 399 Topics in Theoretical Computer Science (3 credits)
Prerequisite: Varies dependent on topic
Topics to be selected from: artificial intelligence, automata theory, computational complexity theory, mathematical linguistics, programming language theory and other theoretical computer science topics. This course may be repeated for credit with different topics.

COMP 405 Introduction to Database Systems (3 credits)
Prerequisite: MATH 130, COMP 330
Physical data organization. The hierarchical, network, and relational data models. Design theory for relational database; data dependencies, normal forms and preventing loss of information. Query optimization. Integrity and security of databases. Students implement applications on a relational database system.

COMP 410 Database Applications (3 credits)
The role of a database in an MIS environment is studied. Team analysis and implementation of a database project will be a major course component. This course does not fulfill computer science major requirements.

COMP 425 Social and Professional Issues in Computing (1 credit)
Prerequisite: COMP 330; restricted to senior status in computer science
This course introduces the social, ethical, and legal implications of living and working in an information technology society. Discussions will focus on responsibility, liability, and accountability to allow students to view ethical decision making as a critical part of understanding the computing world.

COMP 427 Internet Programming (3 credits)
Prerequisite: COMP 340
This is an introductory course on Internet programming. Students in the course will learn about the Internet and its fundamental request-response paradigm. Topics to be covered include fundamentals of the Web, client/server architectures, Internet protocols and programming.

COMP 430 Computer Networks (3 credits)
Prerequisite: COMP 330
Introduction to data transmission, digital multiplexing, and data switching, characteristics of transmission media, terminals, modems and communication processes; design

†May be taken for graduate level credit

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of error control, line control, and information flow control procedures; study of message and packet switching networks; protocols and software in packet switching systems; and modeling techniques for networks.

**COMP 435 Analysis of Algorithms (3 credits)**  
**Prerequisite:** COMP 330  
General overview of algorithms. Algorithmic techniques needed in problem solving. Relative efficiency of algorithms. Topics will include efficient algorithms for data manipulation, graphical analysis, rapid evaluation of algebraic functions and matrix operations, and \( \text{NLogN} \) bound in sorting algorithms.

**COMP 436 Computer Graphics (3 credits)**  
**Prerequisite:** COMP 330; and either MATH 120 or MATH 202  
This course includes an introduction to hardware, algorithms, and software of computer graphics. Topics include line generators, affine transformations, line and polygon clipping, splines, interactive techniques, menus, orthographic and perspective projections, solid modeling, hidden surface removal, lighting models and shading.

**COMP 437 Simulation and Game Design (3 credits)**  
**Prerequisite:** COMP 436  
This course introduces techniques used to design and implement computer games. Topics include a historic overview of computer games, the preparation of game documents, and the use of a game engine, modeling software, and terrain generator. A game will be designed and implemented in a team environment.

**COMP 442 Object-Oriented Software Engineering (3 credits)**  
**Prerequisite:** COMP 330  
A project course in the development of a large-scale software system using OO methodologies. The primary process involves discovering classes and objects which model both the application domain and the solution space, identifying the semantics of these classes and objects and establishing relationships among them, and implementing the classes and objects using appropriate data structures and algorithms. This primary process is controlled by a well-defined development framework with the following steps: (1) establishing core requirements, (2) providing a model of the system's behavior, (3) creating an architecture for the implementation, (4) evolving the implementation through successive iterations, and (5) maintaining the system.

**COMP/MATH 445 Logic Programming (3 credits)**  
**Prerequisite:** Junior or senior mathematics or computer science major or equivalent background, and consent of the department  
The study of propositional and first order predicate logic from an axiomatic point of view. Algorithmic methods of theorem proving will be emphasized.

**COMP/MATH 460 Introduction to Robotics (3 credits)**  
**Prerequisite:** COMP 102 and either MATH 152 or MATH 142, and MATH 202 or MATH 120  
An introduction to the theory of the motion of robot manipulators. The mathematics, programming and control of manipulators will be emphasized. Also examined will be issues of sensing and planning.

**COMP 470 Introduction to Artificial Intelligence (3 credits)**  
**Prerequisite:** Restricted to computer science majors and completion of 29 credits of computer science courses in the major  
This course introduces students to the basic concepts and techniques of artificial intelligence. Emphasis is given to representation and the associated data structures. Students will also be introduced to an AI language such as LISP.

**COMP 485 Honors Thesis (3 credits)**  
**Prerequisite:** Open to Commonwealth and Departmental Honors students  
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester

**COMP 498 Internship in Computer Science (3 credits)**  
**Prerequisite:** A minimum of 24 approved hours in computer science and consent of the department; formal application required  
Students will work for an employer in the computer science field for a minimum of 10 hours/week during one full semester. A member of the department will serve as adviser and evaluator of all work projects. This course can be taken only once for credit. Graded on a P (Pass)/N (No Pass) basis.

**COMP 499 Directed Study in Computer Science (1-3 credits)**  
**Prerequisite:** Consent of the department; formal application required  
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

**COMP 502 Research (credit to be arranged)**  
**Prerequisite:** Consent of the department; formal application required  
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

**COMP 503 Directed Study (credit to be arranged)**  
**Prerequisite:** Consent of the department; formal application required  
Designed for the graduate student who desires to study selected topics in a specific field. For details consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

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#May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.  
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Course Descriptions

COMP 510 Topics in Programming Languages (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course investigates programming language development from designer’s user and implementer’s point of view. Topics include formal syntax and semantics, language system, extensible languages, and control structures. There is also a survey of intralanguage features, covering ALGOL-60, ALGOL-68, Ada, Pascal, LISP, SNOBOL-4 APL, SIMULA-67, CLU, MODULA, and others.

dynamic programming, search and traverse techniques, backtracking, numerical techniques, NP-hard and NP-complete problems, approximation algorithms, and other topics in the analysis and design of algorithms.

COMP 520 Operating Systems Principles (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course examines design principles such as optimal scheduling: file systems, system integrity and security, as well as the mathematical analysis of selected aspects of operating system design. Includes: queuing theory, disk scheduling, storage management and the working set model. Design and implementation of an operating system nucleus is also studied.

COMP 525 Design and Construction of Compilers (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course examines design principles such as optimal scheduling: file systems, system integrity and security, as well as the mathematical analysis of selected aspects of operating system design. Includes: queuing theory, disk scheduling, storage management and the working set model. Design and implementation of an operating system nucleus is also studied.

COMP 530 Software Engineering (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
Topics include construction of reliable software, software tools, software testing methodologies, structured design, structured programming, software characteristics and quality and formal proofs of program correctness. Chief programmer teams and structure walk-throughs will be employed.

COMP 536 Graphics (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course examines typical graphics systems, both hardware and software. Topics include design of low level software support for raster and vector displays, three-dimensional surface and solids modeling, hidden line and hidden surface algorithms. Shading, shadowing, reflection, refraction, and surface texturing.

COMP 540 Automata, Computability, and Formal Languages (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
Topics include finite automata and regular languages, context-free languages, Turing machines and their variants, partial recursive functions and grammars, Church's thesis, undecidable problems, complexity of algorithms, and completeness.

COMP 545 Analysis of Algorithms (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course deals with techniques in the analysis of algorithms. Topics to be chosen from among the following:

COMP 550 Topics in Discrete Mathematics (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
Topics include context-free languages, graph theory, combinatorics, optimization theory, linear programming, error correcting codes.

COMP 560 Artificial Intelligence (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course is an introduction to first order predicate logic as a problem-solving tool. Logic programming languages such as PROLOG are studied along with applications of logic programming to mathematics fields, natural language processing, and law.

COMP 562 Expert Systems (3 credits)
Prerequisite: COMP 550
Architectures currently used in building expert systems are studied. The main current systems are surveyed along with expert system environments and tools.

COMP 563 Logic Programming (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course is an introduction to first order predicate logic as a problem-solving tool. Logic programming languages such as PROLOG are studied along with applications of logic programming to mathematics fields, natural language processing, and law.

COMP 570 Robotics (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This is a project-oriented course in robotics. Topics are chosen from manipulator motion and control, motion planning, legged-motion, vision, touch sensing, grasping, programming languages for robots, automated factory design.

COMP 575 Natural Language Processing (3 credits)
Prerequisite: COMP 560
This is an historical survey of question-answering systems. Topics in machine learning and computational representation of syntactic and semantic structures for artificial intelligence application using English; current text systems; simulation of brief systems and other aspects of cognition; use of natural language systems; generation of text or speech.

COMP 580 Database Systems (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
Topics include relational, hierarchical and network data models; design theory for relational databases and query optimization; classification of data models, data languages; concurrency, integrity, privacy; modeling and measurement of access strategies; dedicated processors, information retrieval, real time applications.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
COMP 582 Distributed Database Systems (3 credits)
Prerequisite: COMP 580
The problems inherent in distributed databases on a network of computer systems are studied including file allocation, directory systems, deadlock detection and prevention, synchronization, query optimization, and fault tolerance.

COMP 590 Computer Architecture (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course is an introduction to the internal structure of digital computers including design of gates, flip-flops, registers and memories to perform operations on numerical and other data represented in binary form; computer system analysis and design; organizational dependence on computations to be performed; theoretical aspects of parallel and pipeline computation.

COMP 594 Computer Networks (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
This course is an introduction to data transmission, digital multiplexing, and data switching. Topics include characteristics of transmission media, terminals, modems, and communication processes; design of control, line control, and information flow control procedures; study of message and packet switching networks; protocols and software in packet switching systems; and modeling techniques for networks.

COMP 596 Topics in Computer Science (3 credits)
Prerequisite: Admission to the MS program in Computer Science or consent of the instructor
Topics are chosen from program verification, formal semantics, formal language theory, concurrent programming, complexity or algorithms, programming language theory, graphics, and other computer science topics. This course may be repeated for credit with different topics.

COMP 599 Computer Science Seminar (3 credits)
Prerequisite: Minimum of 12 credits in 500-level science course work
A project oriented seminar in computer science. Projects will be individually assigned.

Other Approved Courses:
COMP 100 Programming in BASIC
COMP 211 COBOL II

CRIMINAL JUSTICE (CRJU)

CRJU 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

CRJU 201 Introduction to Criminal Justice (3 credits)
This course provides an overview of the American criminal justice system, including the development and structure of the system. It surveys the roles and relationships among the key actors in the system, including police, courts, juries, prosecutors, and corrections agencies and institutions. The course also examines the relations between society, crime, and the criminal justice system. Offered both semesters.

CRJU 213 The Juvenile Justice System (3 credits)
The primary focus of this course is to understand the purpose, organization, and function of the juvenile justice system. This course also examines the evolution of the juvenile justice system — its philosophy, aims, objectives, and dilemmas.

CRJU/SOCI 227 Deviance and Social Control (3 credits)
Prerequisite: SOCI 102 and CRJU 201; or consent of the instructor
This course examines deviant acts with an eye toward understanding social order and change. Topics covered include the types and causes of deviance, the social conditions and elements of deviant acts, and the effects of deviance and mechanisms for prevention, punishing and rehabilitating deviant individuals and groups. Every semester (Formerly CRJU/SOCI 327)

CRJU/SOCI 255 Juvenile Delinquency (3 credits)
Prerequisite: SOCI 102 or CRJU 201; or consent of the instructor
Analysis of the nature and types of juvenile behavior that violates law; the mechanisms of defining such behavior as delinquent; and the relationship between delinquency and the social situations of juvenile offenders. Fall semester (Formerly CRJU/SOCI 355)

CRJU 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

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Course Descriptions

CRJU 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

CRJU 323 Comparative Legal Systems in a Global Context (3 credits)
Prerequisite: CRJU 201
This course provides students with an understanding of the fundamental principles and practices of non-U.S. legal systems. The course will assess historical legacies, along with origins of law and the development of key legal institutions. The intent is to foster greater comprehension of different legal systems in an interdependent world. The course will begin by examining legal systems with Western qualities, followed by an examination of legal systems not constructed on Western suppositions. Comparisons will be cross-national, and will be informed by increased knowledge of non-U.S. legal systems. Offered alternate years, fall semester

CRJU 324 Law, Justice and Society (3 credits)
Prerequisite: CRJU 201 or SOCI 102
This course explores the relationship between the social forces (economic, demographic, political, religious, and technological) that shape legal systems, and the way that legal systems, in turn, shape social reality. Classical and contemporary sociological theories will be examined as to their utility in understanding the relationships between law, justice, and society. Particular attention will be given to issues of social control, legitimacy, deviance, justice, the workings of the legal profession, and how public truth is constructed. Offered alternate years, spring semester

CRJU 325 Political Theory and the Justice System (3 credits)
Prerequisite: CRJU 201
This course focuses on the dynamics of political forces and the role they play in the management of crime and justice in the United States. Political theories and perspectives are examined, compared, and contrasted within the context of justice system practices, policies, and outcomes. Alternate years

CRJU 331 Police, Community and Society (3 credits)
Prerequisite: CRJU 201 or SOCI 102 or SOCI 103
This course examines the current issues and themes relating to the police and their role in communities and in society. Topics covered will include the organizational structure of police departments, police problems and issues affecting society at large, new theories of the effects of policing on crime, and the effectiveness of community policing. Offered both semesters

CRJU 332 History of Policing in America (3 credits)
This course examines the historical development of policing in the United States and the relationship between past police practices and their modern counterparts (i.e. organizational structures, police subculture issues, and police-community relations). By examining the history of policing and how it functioned, students will develop a more informed perspective regarding this vital component of the criminal justice system. Alternate years

CRJU/SOCI 334 White Collar Crime (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
Broadening the definition of crime, this course will study the behavioral systems involved in the commission of white collar crimes in complex structures, such as government bureaucracies, multi-national corporations, and underground systems. The modern institutional factors—political and social—permitting or restricting the commission of such crimes will be investigated. Specifically, the performance of the criminal justice system will be examined. Spring semester

CRJU 335 Criminal Law and the Courts (3 credits)
Prerequisite: CRJU 201
This course examines the development of American criminal law as well as its purposes, functions and effects. Key principles for determining criminal liability, and limits of liability, in the form of mitigating elements of justification and excuse, are studied. The course explains precepts to crimes such as homicide, sexual assault, drugs and crimes against property, public order and morals. Offered once yearly

CRJU/SOCI 339 Violence, Guns, and Society (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
This course focuses on guns and lethal violence in society. Drawing on both criminal justice and sociological theory and research, it examines the causes and consequences of lethal violence with special attention to the role of firearms. Topics covered include the definitions and causes of violence, the extent to which guns intensify violence, guns and lethal violence, in comparative perspective, the American gun culture, the Second Amendment, the politics of gun control, the legal regulation of guns, the relationships between gun prevalence and gun violence, and the costs of gun violence. Offered every third year

CRJU 346 Criminal Procedure (3 credits)
Prerequisite: CRJU 201
This course offers a comprehensive view of the historical development of criminal procedure and how it defines standards of liberty for ordinary citizens as well as criminal defendants. In addition, this course focuses on the ideological changes that manifest in court opinion, the implicit, or at times explicit, relationship between politics, partisanship and court behavior. The role of the court as a solver of crime problems is also considered.

CRJU 347 Restorative Justice (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course explores the philosophy of restorative justice

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

and the current practices of victim-offender mediation. Restorative justice emphasizes offender reintegration through community involvement and offender accountability. Alternate years.

CRJU/SOCI 352 Urban Crime (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
This course examines urban and neighborhood crime. In addition to surveying theories of urban crime, disorder, and unrest, it examines responses to urban crime, including community policing, order maintenance policing, crime prevention through environmental design, and programs to ameliorate the deeper causes of crime. The course examines the effects of inequality, racial and ethnic discrimination, substance abuse and gun violence on urban crime. Another topic covered is the drop in urban crime rates during the 1990’s. Offered alternate years.

CRJU 354 Corrections (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course is an analysis of the social structures and processes involved in dealing with individuals who have been designated as offenders of criminal law. Probation, prison, parole, programs of prevention and rehabilitation. Fall semester (Formerly SOCI 354).

CRJU 358 Race, Class, Crime, and Justice (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course examines the effects of class and race on justice outcomes. Historical and contemporary practices of the system are evaluated for disparate or discriminatory patterns. Alternate years.

CRJU 359 Technology and Crime Control (3 credits)
Prerequisite: CRJU 201 and 6 additional credits in criminal justice courses
This course examines how changes in technology create new forms of crime, as well as modes of apprehension, detection, and prevention. Additionally, the course will examine the "outsourcing" of surveillance by the states and the federal government to private corporate data miners. Alternate years.

CRJU 369 Technology and Crime Control (3 credits)
Prerequisite: CRJU 201
This interdisciplinary course will explore how females experience crime, justice, and the criminal justice system differently than do males. Through a comparative historical lens, we will explore legal, philosophical, psychological, sociological, and political perspectives on crime and justice. This course will use a gendered perspective in examining the roots of violence against women in our society, specifically addressing femicide, intimate partner violence, and sexual assault. We will then examine the differences between women and men as offenders, including theories of offending, agency, and types of offenses committed. Particular emphasis will be given to incarceration alternatives, including restorative justice programs.

CRJU 371 Sex Crimes (3 credits)
Prerequisite: CRJU 210
This course explores the historical evolution of sex crimes. Topics include the age of consent, prostitution, anti-sodomy laws, stranger rape, date rape, and sex-offender registration. The course will also examine the impact of sexual assault on victims and offenders, as well as the criminal justice system’s response and the role of policymakers and advocacy groups in the formulation and enforcement of sex crime laws.

CRJU 372 Terrorism and Civil Liberties (3 credits)
Prerequisite: CRJU 201 and CRJU 335
The focus of this course is the ongoing conflict between preventing terrorism and compromising constitutional freedoms. This course will examine the enhanced powers of police agencies and federal prosecutors. Students will survey the effects of these new powers, particularly with regard to changes in due process standards and evidentiary requirements. Students will also be provided with historical examples of previous national security efforts to protect the public.

CRJU 381 Privatization in Criminal Justice (3 credits)
Prerequisite: CRJU 201
This course will examine the many controversies around the reemergence of private prisons as well as the explosive growth of private police in the United States. Alternate years.

CRJU 385 Victimology (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course involves the study of victimization by drawing on scientific and other literature that analyzes these experiences, impacts and consequences on crime victims, justice system policies and practices, and the law.

CRJU 388 Hate Crime (3 credits)
Prerequisite: CRJU 201 and CRJU 410
Crime that is committed as a result of bigotry is commonly referred to as hate crime. This course examines the political and social significance of these crime events. In addition, this course reviews theories of prejudice, the role of youth subcultures in the development of the neo-Nazi skinhead movement, typologies of hate groups, motives, hate crime victimology, recruitment strategies of hate groups, hate speech, and correctional responses.

CRJU 399 Special Topics in Criminal Justice (3 credits)
Prerequisite: Dependent on topic
Various special topics of current interest in criminal justice will be offered from time to time. Topics will be announced before registration. May be taken more than once but only three (3) credits will be counted toward the first 30 hours in the criminal justice major.

CRJU 404 Media, Justice, and Crime (3 credits)
Prerequisite: CRJU 201 and an additional 3 credit criminal justice course
This course is a survey of how various media institutions (newspapers, magazines, talk radio, network television, cable, film, and Internet-based products) and formats (news, entertainment, and infotainment) shape the representation and public perception of dangerousness, criminality, police activity, and ultimately, the direction of contemporary social policy. Alternate years, spring semester.

CRJU 406 Ethics and the Criminal Justice System (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course examines a wide range of ethical and moral

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issues in the field of criminal justice. Topics covered include the use of harm to prevent harm, the use of discretionary decision-making, prediction problems, and moral dilemmas that confront various justice agents, i.e., police, prosecutors, defense attorneys, and correctional officers. Teleological and deontological ethical systems are examined and used to measure the moral worth of practitioner actions in the criminal justice system. Offered once a year.

CRJU 410 Applied Crime Theory in Criminal Justice (3 credits)
Prerequisite: CRJU 201
This course utilizes an applied approach in examining theories of crime causation in light of criminal justice aims. The criminal justice system responds to crime and criminals based on explicit and implicit theories of causation. Recognizing this process, criminal justice majors will learn theory and theory validity of examining criminal justice and related interventions.

CRJU 415 Police Culture (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course will introduce students to the study of the organizational culture of law enforcement. Specifically, students will encounter a rich, diverse and burgeoning literature on police culture, as they read a number of first-person accounts drawn from ethnographic fieldwork. They will explore vexing and contentious issues such as the misuse of force, official corruption, and the militarization of policing in the 21st century.

CRJU 420 Research Methods in Criminal Justice (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course focuses on the commonly used research methods found in criminal justice. Using crime and justice contexts, topics covered include research design, the relationship between theory and research, types of data, analytic techniques, and ethical considerations.

CRJU 425 Comparative Crime and Deviance (3 credits)
Prerequisite: SOCI 102 and three additional sociology courses, or consent of the instructor
This course examines crime, law and deviance in comparative perspective. Among the topics covered will be the logic of comparative research, problems of cross-national data, violent crime, economic and political crime, transnational corporate crime, underdevelopment and crime, social control and conflict resolution, and criminal justice and penal policies. The course also focuses on crime in relation to age, gender, race and class. The comparative materials are used to reflect on problems of crime and the criminal justice system in the United States. Alternate spring semesters.

CRJU 426 Ethnography and Crime Analysis (3 credits)
Prerequisite: CRJU 201 and CRJU 410
This course examines ethnographic research methodologies as they relate to crime and justice. The culture of particular criminal groups, as well as justice agents, is often unveiled for the first time through the efforts of field researchers. Students will learn how researchers enter the world of their subjects, build trust, process information, and report social phenomena. Alternate years.

CRJU 430 Analyzing Criminal Justice Data (3 credits)
Prerequisite: CRJU 201 and CRJU 410 and CRJU 420
This course teaches principles of statistical techniques as applied within criminal justice. By using criminal justice research problems, this course will cover topics including constructing testable research questions, organizing data, applying appropriate statistical tests, and interpreting results. This course also teaches students how to evaluate government data, technical reports and empirical studies which summarize criminal justice data.

CRJU 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students and senior status
With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending on the scope of the project. The Departmental Honors Committee will determine if the final version of the thesis qualifies the student to graduate with Honors.

CRJU 496 Seminar: Critical Issues in Crime and Justice (3 credits)
Prerequisite: CRJU 410
This seminar will examine critical issues related to crime and justice. The focus of the seminar will vary from semester to semester, but it will enable students to synthesize their knowledge and skills in analyzing issues including ethics and criminal justice, racial inequality in the criminal justice system, the efficacy of increasing incarceration rates, and societal responses to crime. The seminar will require students to demonstrate: (1) comprehensive knowledge of the field of criminal justice; (2) critical thinking skills applied to criminal justice; (3) effectiveness in oral and written communication; (4) awareness of ethical issues in criminal justice; and (5) knowledge of data sources in criminal justice and the ability to apply criminal justice related information and research.

CRJU 497 Research (3 credits)
Prerequisite: CRJU 420
Primarily for senior Criminal Justice majors; others by special arrangement. Students will conduct social research, using techniques taught in CRJU 420, writing reports of findings as for publication. Experimental survey and content analysis approaches will be used.

CRJU 498 Internship in Criminal Justice (3-15 credits)
Prerequisite: A minimum cumulative GPA of 2.5; consent of the department; formal application required
The internship provides an opportunity for senior criminal justice majors to gain practical expertise in the field by participating in an off-campus work study experience that complements their academic preparation. In addition to working in their internship setting, students will meet regularly with a faculty supervisor. Students may work in an appropriate local, state or federal agency or private organization. Only three credits of internship may count toward the major in criminal justice. Either semester.

CRJU 499 Directed Study in Criminal Justice (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in criminal justice. May be taken twice for a...
maximum of six credits. Graded on a (P) Pass/ (N) No Pass basis. Either semester

CRJU 500 Foundations of Scholarship (1 credit)
With students entering the program from various disciplines, campuses or alternatively, after a hiatus from college, this course provides students with opportunities to better develop the tools needed for scholarly graduate-level research and writing. An emphasis is placed on the “nuts and bolts” of research-based writing, i.e. conducting a literature review, evaluating claims, and planning and drafting papers. This course will also address appropriate documentation and citation methodologies; the utilization of library resources, print and electronic data sources, legal research and computer use. Methods for writing a successful Master’s thesis will also be incorporated.

CRJU 501 Structure and Process of the Criminal Justice System (3 credits)
This course examines the organization of the criminal justice system and explores the nature of relationships among its components. The origins of criminal law, law enforcement agencies, federal and state court systems and corrections are reviewed. In addition, the functions and processes of each essential agency within the criminal justice system are investigated. Students completing this course will gain a solid understanding of the evolution of the modern criminal justice system as it developed from its Western European and British roots.

CRJU 502 Research (credit to be arranged)
Prerequisite: Consent of department; formal application required and CRJU 500, which may be taken concurrently
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog.

CRJU 503 Directed Study (credit to be arranged)
Prerequisite: Consent of department; formal application required and CRJU 500, which may be taken concurrently
This is designed for the student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

CRJU 504 Seminar: Crime, Justice and Society (3 credits)
This seminar introduces students to crime and justice in American society. It provides an overview of central issues in criminal justice and of the five core areas in criminal justice: (1) criminal justice and juvenile justice processes, (2) criminology, (3) law enforcement, (4) law adjudication, and (5) corrections.

CRJU 505 Applications of Crime Theory (3 credits)
This course utilizes an applied approach in examining fundamental and advanced theories of crime and criminals based on explicit and implicit theories of causation. Recognizing this process, this course focuses on theories and their manifestations of crime and justice programs. Students will learn theory and theory validity by evaluating empirical evidence of program effects.

CRJU 510 Research Methods in Criminal Justice (3 credits)
Prerequisite: CRJU 500, which may be taken concurrently
This course provides an overview of the research process and research design in relation to crime and criminal justice. Topics covered include the scientific method, operationalizing variables and indicators, ethics and policy in research and various methods of collecting data. Students will design and carry out a research project.

CRJU 511 Analyzing Criminal Justice Data (3 credits)
Prerequisite: CRJU 500, which may be taken concurrently; and CRJU 510
This course focuses on statistical data analysis in relation to research in crime and criminal justice. Topics covered include the most important data analysis techniques in social and criminal justice research, the assumptions underlying various statistical techniques, and how to interpret quantitative data analysis. Students will learn to carry out their own data analysis.

CRJU 512 Ethics and Policy in Criminal Justice (3 credits)
Prerequisite: CRJU 504 and CRJU 505
This course provides an overview and analysis of major ethical and policy issues related to crime and criminal justice. Students will examine various ethical issues including those related to policing, the death penalty, and criminal courts and law. The course will also cover criminal justice policy.

CRJU 515 Criminal Justice Administration (3 credits)
This course draws on research in complex organizations to analyze the structure, functions, and operations of criminal justice agencies, including the police, courts and corrections. Students will gain an understanding of administration in criminal justice organizations.

CRJU 517 Studies in Crime Prevention: Understanding What Works (3 credits)
Prerequisite: CRJU 504 and CRJU 505; or consent of the instructor
This course conducts a comprehensive examination of crime prevention programs in the United States. In addition to the analysis of program features (e.g. assumptions, concepts, process, outcomes, evaluation), students will also review the social and political climates surrounding crime prevention programs. Because these initiatives are wide-ranging and often occur outside of the criminal justice system, students will learn about crime prevention programs based in the following venues: the family, the school, the community, and in job training and placement programs.

CRJU 518 Hate Crimes and Hate Groups (3 credits)
Prerequisite: CRJU 504 and CRJU 505; or consent of the instructor
This course examines the etiology of hate crime, its characteristics and the social ecology that nurtures its existence and persistence. In addition to focusing on the crime itself, the course analyzes hate groups, the dynamics of the hate movement as well as the processes of recruitment, affiliation and disaffiliation.
CRJU 520 Violence, Crime and Society (3 credits)
This course provides an overview of violence and crime in society. The course focuses on the causes of violent crime and examines violence from a variety of disciplinary perspectives.

CRJU 521 Domestic Violence (3 credits)
This course provides an overview of the causes of domestic violence and the criminal justice system's response to domestic violence. Topics covered include psychological, sociological and feminist theories of domestic violence; the nature of domestic violence in a patriarchal society; resources available for victims of domestic violence; and the efficacy of various approaches to reducing domestic violence.

CRJU 522 Women and Criminal Justice (3 credits)
This course provides an overview of women and the criminal justice system. Topics covered include women as offenders, victims, and criminal justice professionals; theories of women and crime; and the treatment of female offenders by criminal justice agencies.

CRJU 525 Comparative Crime and Justice (3 credits)
This course examines crime, justice, and criminal justice systems in comparative perspective. Topics covered include multinational crime; the relationships between socio-economic development and crime; and different approaches to law enforcement, criminal procedure and law, juvenile justice, and corrections. The course will draw on United Nations criminal justice surveys and other cross-national data sources.

CRJU 526 Communities, Cities, and Crime (3 credits)
This course focuses on urban and neighborhood crime. It surveys the literature on demography and ecology of crime, examines various theories of urban social disorder and unrest, and provides an overview of the most influential research on communities, cities, and crime.

CRJU 527 Policing in a Democratic Society (3 credits)
This course provides a comparative overview of the development of police forces, the organization of the police in various societies, and the nature of policing in industrial societies.

CRJU 530 Introduction to Police Culture: An Intensive Review (3 credits)
Prerequisite: CRJU 504 and CRJU 505
This course introduces students to the in-depth study of the organizational culture of law enforcement. Specifically, students will delve into a rich, diverse and burgeoning literature on police culture, as they read a number of first-person accounts, and weigh relevant theoretical constructs drawn from ethnographic fieldwork. They will explore contentious issues, such as the misuse of force, official corruption, and the militarization of policing in 21st century America; with an emphasis on the intensive use of scholarly research and monographs.

CRJU 540 Corrections, Crime, and Society (3 credits)
This course provides an overview of the relations between crime and corrections. Topics covered include the theories of punishment, the development of corrections, theories of corrections and rehabilitation, and current issues in American corrections.

CRJU 542 Research Seminar in Corrections (3 credits)
Prerequisite: CRJU 500, which may be taken concurrently, and CRJU 510 and CRJU 511
In this seminar students will choose a research topic related to corrections, plan and carry out their research. During weekly class meetings, the class members will discuss their projects and present their results.

CRJU 546 Class, Race, Gender and Crime (3 credits)
This course examines how class, race, and gender intersect with crime and the criminal justice system. The course provides an overview of class, race, ethnic, and gender stratification in the United States and looks at how that stratification is reflected in judgments about crime and in treatments of various groups in the criminal justice system.

CRJU 550 Juvenile Justice and Society (3 credits)
This course provides an overview of juvenile delinquency and the juvenile justice system. It covers various theories of juvenile delinquency and examines their relations to broader sociological and criminological theories. Other topics include the development of the juvenile justice system, the police handling of juveniles, the role of juvenile courts, and juvenile corrections and rehabilitation.

CRJU 551 Law and Society (3 credits)
This course provides an overview of the sociology of law. Topics covered include the sources and development of law, different philosophical and sociological approaches to law, the roles of criminal justice agencies, alternate dispute resolution, the relations of between law and social change, and the impact of race, class and gender in the legal system. The course will also examine attempts to develop a general theory of law and society.

CRJU 597 Research Seminar in Criminal Justice (rotating topics) (3 credits)
Prerequisite: CRJU 500, which may be taken concurrently, and CRJU 510 and CRJU 511
In this seminar students will choose a research topic, plan, and carry out their research. During weekly class meetings, the class members will discuss their projects and present their results. This course may be repeated twice for different topics.

CRJU 598 Internship in Criminal Justice (3 credits)
Internships provide students with experience in a criminal justice setting and give them the opportunity to apply what they have learned in their classes.

CRJU 599 Special Topics in Criminal Justice (3 credits)
This course will focus on specific topics in criminal justice. The topics will differ from semester to semester.

Other Approved Courses:
CRJU 333 Resolving Conflict
CRJU/SOCI 514 Theories of Deviance
CRJU 541 Community-based Corrections
CRJU 555 Information Technology for Criminal Justice
CRJU 557 Advanced Research Methods in Criminal Justice

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
EARTH SCIENCES (EASC)

EASC 100 Physical Geology (4 credits)
This course is an introduction to the processes that formed and continue to shape the earth. Lecture topics include continental drift, rock and mineral forming processes, and the effects of agents of erosion such as glaciers, streams and waves. The laboratory develops skill in rock identification and map interpretation. Three hours of lecture and one two-hour laboratory period weekly. *Either semester (CNSL)*

EASC 101 Historical Geology (4 credits)
Prerequisite: EASC 100
This course is an introduction to the origin and evolution of the earth. Topics include the development and transformation of continents, ocean basins, the atmosphere, and life over geologic time. An emphasis is placed on modeling earth's evolution from observations of the rock record. The laboratory fosters development of field and quantitative skills. Three hours of lecture and one two-hour laboratory weekly. *Spring Semester (CNSL)*

EASC 102 History of the Earth (3 credits)
The geologic origin and evolution of the planet earth is surveyed in this course. An emphasis is placed on the co-evolution of life and the changing surface environment over geologic time. *Spring semester (CNSN)*

EASC 194 Environmental Geology (3 credits)
This course introduces students to the application of geologic principles in recognizing and controlling the effects of environmental problems such as earthquakes, volcanoes, floods, beach erosion, hazardous waste disposal and ground water quality. *Either semester (CNSN)*

EASC 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

EASC 210 Oceanography (3 credits)
Prerequisite: Any 100-level biology, chemistry, earth science, geography (physical science), or physics course
This course surveys the physical and chemical aspects of earth's ocean, including the geology of the seafloor, ocean currents, tides, waves, sediment transport and deposition, seawater chemistry, and submarine hot springs. An emphasis is also placed on oceanographic research expeditions and the tools used by scientists to explore the seafloor. *Spring semester (Formerly EASC 305)*

EASC 215 Solar System Astronomy (3 credits)
Prerequisite: Any 100-level biology, chemistry, earth science, geography (physical science) or physics course
This course focuses on the physical, chemical, geological, and biological processes operating in the solar system. Topics include celestial mechanics, radiation and spectroscopy, solar processes, planetary interiors, surfaces, and atmospheres, the origin of life and theories of the origin and evolution of the solar system. *Fall semester (Formerly EASC 301)*

EASC 240 Hydrology (4 credits)
Prerequisite: Consent of the instructor
This course examines the hydrologic cycle, including precipitation, infiltration, evaporation, transpiration, stream flow, and groundwater flow. The laboratory will focus on field measurements with an emphasis on modeling of groundwater flow from a physical and chemical perspective. Basic water laws and regulations, as well as contamination issues are also reviewed. Two hours of lecture and one four-hour laboratory weekly. *Spring Semester*

EASC 250 Geomorphology (4 credits)
Prerequisite: EASC 101
This course examines the natural processes that control the development of earth's surface topography on many different scales. The role of internal processes such as tectonics is explored in addition to surface processes related to the action of rivers, glacial ice, wind, waves, currents, and tides. Laboratory work focuses on the identification and interpretation of landforms on topographic maps. Two hours of lecture and one four-hour laboratory weekly. *Fall Semester (Formerly EASC 284)*

EASC 260 Mineralogy (4 credits)
Prerequisite: EASC 100 and CHEM 131 or CHEM 141
This course investigates the minerals that compose the solid earth. Topics to be covered include the physical and chemical properties of minerals, mineral structures, mode of occurrence, mineral formation, and crystallography. Laboratory work will involve mineral identification using visual observation and state-of-the-art analytical equipment including X-ray diffraction and optical microscopy. Two hours of lecture and one four-hour laboratory weekly. (Formerly EASC 372)

EASC 280 Vertebrate Paleontology (3 credits)
Prerequisite: EASC 107
This course examines the nearly 500 million year history of vertebrate life on Earth and the origin of the major innovations that characterize its diversity. This diversity will be considered in the light of various classification methods, and the major innovations will be discussed in the context of various mechanisms of evolution. *Fall semester*

EASC 290 Dinosaur Paleobiology (3 credits)
Prerequisite: EASC 101 or BIOL 100 or BIOL 121
The most recent hypotheses concerning the paleogeography, functional morphology and paleoecology of the dinosaurs are considered. Various causes advanced to account for their extinction 65 million years ago are critically appraised.
EASC 298 Second Year Seminar (Speaking Intensive)  
(3 credits)  
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 299 is taken for credit.  
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

EASC 299 Second Year Seminar (Writing Intensive)  
(3 credits)  
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 298 is taken for credit.  
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

EASC 320 Geology of New England  
(3 credits)  
Prerequisite: EASC 101  
This course will examine the geological history of New England and adjacent areas with an emphasis on the last 500 million years of geologic time. In this context, the tectonic history of New England will be explored in detail. Other important topics include the changing surface environment with a focus on ice ages and climate change. The laboratory will emphasize the use of geologic maps and field trips to areas of geologic significance in southeastern New England. Two hours of lecture and one four-hour laboratory period weekly. Fall semester

EASC 350 Structural Geology  
(4 credits)  
Prerequisite: EASC 250  
This course explores the origin and analysis of rock structures produced by deformation. Laboratory exercises involve the construction and interpretation of geologic maps and geometric analysis of rock structures. Field trips will emphasize mapping skills and the interpretation of rock sequences. Two hours of lecture and one four-hour laboratory weekly. Spring Semester (Formerly EASC 283)

EASC 360 Petrology (4 credits)  
Prerequisite: EASC 260  
This course explores the properties, occurrences, origin, and classification of the igneous, metamorphic and sedimentary rocks that compose the solid earth. Laboratory work will include the examination of rocks through visual observation and thin section analyses using the optical petrographic microscope. Field trips will examine the geology of southeastern New England. Two lecture hours and one four-hour laboratory weekly. Spring Semester (Formerly EASC 463)

EASC 370 Sedimentology and Stratigraphy  
(4 credits)  
Prerequisite: EASC 101  
This course examines the composition, texture, morphology and dynamics of sediments in different environments and their relation to the stratification and structure of sedimentary rocks. The laboratory work fosters the development of research skills through quantitative analyses of sediment and a term project consisting of a thorough description and interpretation of sediment samples collected from a local/regional sedimentary environment. Two hours of lecture and one four-hour laboratory weekly. Fall Semester (Formerly EASC 476)

EASC 400 Earth Systems Science I (3 credits)  
Prerequisite: EASC 101 and EASC 210 and GEOG 221  
This course provides an overview of the emerging discipline of Earth Systems Science. The physical and chemical nature of the four primary earth systems, including the solid earth, the hydrosphere, the atmosphere, and the biosphere, will be explored in detail. An emphasis will be placed on a qualitative and quantitative analysis of the flow of energy and matter among the four systems. Fall semester

EASC 410 Earth Systems Science II (3 credits)  
Prerequisite: EASC 400  
This course is a continuation of Earth Systems Science I, with an emphasis on the global biogeochemical cycles that operate within and among the solid earth, hydrosphere, atmosphere, and biosphere. In addition, Earth systems history and human impacts on the Earth's systems will be examined, with an emphasis on past and future global climate change. Spring semester

EASC 450 Geochemistry (4 credits)  
Prerequisite: CHEM 142  
This course explores the application of thermodynamic principles to solve geologic problems. The chemical interaction of rock and water will be emphasized, as it relates to the chemistry of natural waters on and near the surface of the earth, rock weathering, and global geochemical cycles. Laboratory work will include the analytical techniques used to measure water chemistry and computer modeling of natural geochemical systems. Two hours of lecture and one four-hour laboratory weekly. Fall Semester, Odd Years (Formerly EASC 311)

EASC 460 Geophysics (4 credits)  
Prerequisite: PHYS 182 or PHYS 244  
In this course, students will apply physics to solve geological problems. Topics include seismology, the Earth's gravitational and magnetic fields, heat flow, plate tectonics, and the internal structure of the Earth. The laboratory involves problem solving and field measurements using modern geophysical equipment to image the subsurface. Geophysical techniques relevant to oil, gas and mineral
Course Descriptions

exploration as well as engineering and environmental applications are examined. Two hours of lecture and one four-hour laboratory weekly, Fall Semester (Formerly EASC 310)

EASC 470 Paleontology (4 credits)
Prerequisite: EASC 370
This course includes a survey of the last 500 million years of the Earth’s fossil record. The most recent developments in the origin and diversification of the animal phyla are considered along with their environmental relationships. The laboratory sessions involve quantitative methods in the study of fossils. Two hours of lecture and one four-hour laboratory weekly. Spring Semester (Formerly EASC 475)

EASC 471 Coastal Processes (3 credits)
Prerequisite: MATH 100; and EASC 100 or GEOG 121
The frequently complex fluid-solid interactions which result in erosion and deposition in coastal environments are developed in this course. Methods of measurement and prediction are presented. (Formerly EASC 380)

EASC 480 Remote Sensing (4 credits)
Prerequisite: Consent of the instructor
Remote sensing is the measurement and characterization of the earth using satellites and airborne platforms. This course covers the theory of remote sensing and the acquisition, analysis, and interpretation of image data collected from the visible, infrared, microwave and thermal portions of the electromagnetic spectrum. Laboratory work will emphasize digital image processing of the surface environment using state-of-the-art image analysis software. Two hours of lecture and one four-hour laboratory weekly. (Formerly EASC 317)

EASC 485 Contaminant Hydrogeology (3 credits)
Prerequisite: EASC 240; and CHEM 132 or CHEM 142
The fate and transport of groundwater contaminants in various hydrogeologic regimes are presented in this course. Methods for conducting hydrogeologic investigations are discussed in detail. (Formerly EASC 440)

EASC 490 Field Methods in Geology (4 credits)
Prerequisite: EASC 350 and EASC 360
In this course, basic field techniques used by geologists to create geologic maps are introduced. An emphasis will be placed on the collection, processing, and interpretation of field data collected from study areas in Massachusetts and Rhode Island. Students will be required to write formal geologic reports involving maps, cross-sections, and supporting data. Two hours of lecture and one four-hour laboratory weekly. Spring Semester

EASC 496 Seminar in Geology (1 credit each semester)
Prerequisite: Senior standing in geology, earth science or chemistry/geochemistry
This course focuses on the development of thought concerning current global models and/or continuing controversies in geology. One credit will be earned per semester for a total of 2 credits to be awarded at the end of the second semester. Fall semester

EASC 497 Research in Earth Science (1-3 credits)
Prerequisite: Consent of the instructor
In this course, students work independently on a research project in consultation with a faculty mentor. The project may be designed solely by the student or through discussions with the faculty mentor and culminates with a research paper. The course is intended for more advanced students who have completed course work related to the research project. This course may be repeated for up to 6 credits. Either semester

EASC 498 Internship in Earth Science (3-6 credits)
Prerequisite: Consent of the department; formal application required
This course provides an opportunity for earth science majors to gain practical job experience in some aspects of earth/environmental science. Possible internships include positions in local, state and federal agencies as well as private corporations and consulting firms. This course may be repeated for a maximum of 6 credits. Either semester

EASC 499 Directed Study in Earth Science (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

EASC 560 Special Topics in Earth Science (variable credit)
This course will cover special topics of current relevance in earth science education. The topic to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the adviser.

Other Approved Courses:
- EASC 300 Excursions in Geology
- EASC 315 Computer Applications in Earth Science
- EASC 501 Observational Astronomy
- EASC 502 Research
- EASC 503 Directed Study
- EASC 504 Observational Meteorology
- EASC 550 Modern Developments in Earth Science

EARLY CHILDHOOD EDUCATION (ECED, ECPK)

ECED 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.

First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/webaddenda/ as that information supersedes the published version of this catalog.
ECED 230 The Basics of Early Childhood Education
(3 credits)
This foundations course examines early childhood education (birth through grade 2) from a variety of perspectives including historical, sociocultural, and developmental. A 40-hour, field-based experience is attached to this course. This field-based experience is used to contextualize topics and issues including typical and atypical child development, learning theories, diversity, developmentally-appropriate practices, teaching models and approaches, professional teaching standards, and critical issues related to teaching and child growth and development. This course prepares students to apply for admission into the Bridgewater State College's teaching licensure program.

ECED 280 Creative Techniques in Early Childhood
(3 credits)
Prerequisite: ECED 230 and PSYC 224
The course prepares teachers of very young children in techniques that are developmentally appropriate. Students will learn instructional strategies that incorporate the various movement, visual, performance, and language arts into early childhood projects, activities, and routines, both within the classroom and in community settings. (Formerly ECED 380)

ECED 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ECED 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ECED 300 Early Childhood Art Methods (.5 credit)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, Foundations of Reading and Early Childhood
An introduction to methods and materials in art for the early childhood teacher. Art projects typical of those done by children grades PreK-2 are produced. Classroom management, bulletin board design and lesson introduction techniques are explored. Graded on a (P) Pass/(N) No Pass basis. Either semester

ECED 311 Science and Social Studies Inquiry for the Young Child (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, Foundations of Reading and Early Childhood
The major concepts and process skills in science and social studies will be experienced. The emphasis will be on the learning environment. Students will learn how to help children move from specific information toward general statements, concepts and generalizations in an inductive process using convergent and divergent thinking.

ECED 313 Teaching Music in Pre-K and Elementary School (3 credits)
Prerequisite: MUSC 172, MUSC 270, and consent of the department and admission to the Professional Education Program
Students will learn methods and pedagogical systems in order to successfully teach music in the elementary classroom. Includes singing, use of instruments, listening, reading music and rhythmic activity.

ECED 332 Reading Development for the Young Child (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, Foundations of Reading and Early Childhood
Early childhood majors learn how to create the conditions that facilitate the acquisition of literacy. The roles of print processing strategies, guided reading experiences and voluntary, independent reading are explored along with the relationship between reading and writing. Prepracticum experiences include reading aloud, shared book experiences and teaching guided reading lessons.

ECED 342 Language Arts for the Young Child (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, Foundations of Reading and Early Childhood
Through the use of an integrated approach of content, the student will develop strategies for the teaching of language arts which build on the relation of thought and word and the changes in that process that develop competencies in listening, speaking, writing and reading as a union of word and thought. (CWRM)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
ECED 352 Developmental Mathematics for the Young Child (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, Foundations of Reading and Early Childhood
Through the use of an integrated approach of content, the student will develop strategies in math that are concept oriented in which the primary emphasis is on thinking, reasoning and understanding with an emphasis on developing in young children the ability to investigate how and why things happen in math. In a prepracticum experience the student will teach a series of lessons in math at the primary level.

ECED 361 Creating an Effective Early Childhood Environment (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, Foundations of Reading and Early Childhood
This course explores ways to create a developmentally-appropriate, standards-based, inclusive early childhood setting (Pre-K-2). Topics include early childhood standards, issues of diversity and multicultural education, classroom-based “inclusive” teaching and assessment strategies, management techniques, and parent-community relationships. Teacher candidates will also continue to gather evidence for their Professional Teaching Portfolio.

ECED 493 Internship in Early Childhood Education (6 or 12 credits)
Prerequisite: Consent of the department and admission to the Professional Education Program
A minimum of 300 clock hours will be required in a PreK-2 grade setting as an early childhood teacher. Internship must be less than full time but at least one-fifth time employment as an early childhood teacher. Request for this course must be made to the School of Education and Allied Studies Office.

ECED 496 Supervised Teaching in Public Schools: Early Childhood (6 or 12 credits)
Prerequisite: Acceptance into student teaching
This student-teaching practicum is a supervised experience for one quarter. Candidates are assigned by the School of Education and Allied Studies to an appropriate primary classroom (grades K-2) where they will work to develop and refine their teaching skills. Candidates will have the opportunities to observe students and classrooms, design curriculum, practice effective classroom-management techniques, utilize contemporary teaching strategies and differentiate instruction to meet the needs of all learners. Candidates will be coached and supervised by a qualified, on-site cooperating practitioner and a faculty member of the elementary and early childhood department. Candidates are required to attend periodic seminars on educational topics relevant to the student teaching experience.

ECED 497 Supervised Teaching in an Integrated Early Childhood Setting (6 credits)
Prerequisite: Acceptance into student teaching
This student-teaching practicum is a supervised experience for one quarter. Candidates are assigned by the School of Education and Allied Studies to an appropriate preschool or kindergarten setting where they will work to develop and refine their teaching skills with children of diverse backgrounds. Candidates will have the opportunity to observe children and various learning environments, design developmentally-appropriate curriculum, practice effective management techniques, utilize contemporary teaching strategies, and differentiate instruction to meet the needs of all learners. Candidates will be coached and supervised by a qualified, on-site practitioner and a faculty member of the Elementary and Early Childhood Department. Candidates are required to attend periodic seminars on educational topics relevant to the student teaching experience. A candidate must demonstrate his/her competencies for initial teaching licensure and complete all department requirements.

ECED 498 Internship in Early Childhood Education (3-15 credits)
Prerequisite: Consent of the department; formal application required
Off-campus experience in an area related to the major. In-depth exposure to educational programs, centers and institutions. This internship does not lead to teacher licensure.

ECED 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent or Directed Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

ECED 510 Fundamentals of Early Childhood (3 credits)
This course prepares students to enter the graduate program for initial licensure in Early Childhood Education (PreK-2). Developmentally appropriate practices for children birth to grade 2 are examined from a variety of developmental, historical, learning theory and sociocultural perspectives. As part of the course, students spend 15 hours as participant-observers in a public integrated preschool or Head Start classroom and 25 hours in a K-2 elementary classroom. Field-based observations are used to explore issues of child development, learning, family partnerships, accommodating diverse learners, and developmentally appropriate curriculum covered in the context of course readings, activities, discussions and independent research.

ECED 515 Inclusive Early Childhood Classrooms: Instructional Practices and Assessment (3 credits)
Prerequisite: Admission to the Professional Education Program
By participating in in-class and out-of-class experiences and by reviewing the literature related to child development, research-based instructional and assessment practices, and other topics related to preschool and primary grade classrooms, including child-study procedures and current laws, teacher candidates will be able to design inclusive classrooms and use various assessment strategies to guide instructional supports and strategies that support all young children.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ECED 559 Special Topics in Early Childhood Education (3 credits)
Prerequisite: Course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in early childhood education will be offered from time to time. The topic to be addressed will be announced in preregistration publications. May be taken more than once with the consent of the adviser.

ECED 561 Current Issues in Early Childhood Education (3 credits)
Exploration of issues confronting the early childhood educator today. Examination of public policy issues, sex stereotyping, mainstreaming, back-to-basics, parent education, bilingual and multi-ethnic education and family structure.

ECED 562 Early Childhood Curriculum: Ages 2-5 (3 credits)
Provides students with opportunities to explore all aspects of preschool and kindergarten program curricula. Course focuses on planning and implementing curriculum in readiness skills, language development and communication arts. Observation and participation field component included.

ECED 563 Early Childhood Curriculum: Ages 5-7 (3 credits)
For students interested in planning teaching strategies for primary grades. Course explores language arts, math, science, social sciences and classroom management. Observation and participation field component included.

ECED 570 Special Topics in Early Childhood Education (1-4 credits)
Special topics of current relevance in early childhood education will be offered from time to time. The topic to be addressed will be announced in preregistration publications. May be taken more than once.

ECED 575 Graduate Seminar in Early Childhood Education (3 credits)
Prerequisite: Completion of all required MED courses
A study of problems and issues related to the education of young children. Emphasis will be placed on current research, learning theories, curricular and methodological concerns. Each student will make an extensive study of a significant issue related to early childhood education.

ECED 596 Practicum: Early Childhood Education (6 or 12 credits)
Prerequisite: Acceptance and good standing in teacher preparation program
This graduate level practicum involves an eight or fifteen week field experience at the K-2 level under the guidance of a cooperating teacher and a college supervisor. Opportunities for participation in pupil observation, program planning and utilization of contemporary teaching strategies. Either semester

ECED 597 Practicum: Preschool (6 credits)
Prerequisite: Acceptance and good standing in teacher preparation program
This graduate level practicum involves supervised student teaching experience in a preschool setting with children, infancy through age five. Emphasis on development, implementation and evaluation of innovative preschool programs. The student participates in a total program, five days a week for eight weeks in either day care center, nursery school or head start program. Either semester

ECED 598 Internship: Early Childhood Education (6 credits)
Prerequisite: Consent of the department
This graduate level internship involves a minimum of 300 clock hours in a PreK-2 grade setting as an early childhood teacher. Internship must be less than full time but at least one-fifth time employment as an early childhood teacher. Request for this course must be made to the School of Education and Allied Studies Office.

ECPK 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ECPK 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the Speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ECPK 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, read-

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

This course involves field experience in the student's workplace or in an assigned practicum placement. Students will document knowledge and competencies regarding health, safety, and administration issues and policies in early childhood settings. This experience requires a minimum of 75 documented hours in a PreK-K setting. It must be supervised by a qualified college supervisor or instructor and by a licensed, site-based teacher. It must be completed prior to the final field experience, ECPK 492.

ECPK 492 Mentored Performance Fieldwork II, PreK-K (3 or 6 credits)
Prerequisite: Completion of all other program requirements; consent of department and formal application required
This course involves fieldwork in the student's workplace or in an assigned practicum placement. This experience requires a minimum of 150 documented hours (6 credits) in a PreK-K setting. The experience may be taken in 75 documented hour increments (3 credits). The experience must be supervised by a qualified college supervisor and by a licensed, site-based teacher. Students maintain a log and develop a performance portfolio demonstrating their competencies, including family outreach, professional networking, and child advocacy activities. The experience may be taken as a quarter course or extended across two consecutive semesters. This course must be taken at BSC. This course is repeatable for a maximum of 6 credits.

Other Approved Courses:
ECPK 500 Creative Techniques for Teaching
ECPK 485 Seminar in Early Childhood Education
ECPK 564 Administration of Early Childhood Programs

ECONOMICS (ECON)

ECON 101 Principles of Microeconomics (3 credits)
This course focuses on the theory and application of utility and demand, production, cost and market analysis. Either semester (CSOC)

ECON 102 Principles of Macroeconomics (3 credits)
This course focuses on the theory and application of the following: national income analysis and determination, fiscal policy, monetary theory and policy and the Federal Reserve System. Either semester (CSOC)

ECON 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

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Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ECON 201 Intermediate Microeconomic Theory and Policy (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
The theory of consumer behavior and demand, production and cost, the firm and market organization are discussed with emphasis placed on practical applications. Either semester

ECON 205 Intermediate Macroeconomic Theory and Policy (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
A number of macroeconomic models are developed in this course, including the Keynesian, monetarist and rational expectations models. Economic theory is used to explore the nature and causes of business fluctuations and the desirability of various government policies. Either semester

ECON 210 Statistics for Economics and Business (3 credits)
This course will provide students with an understanding of statistics and the ability to present and describe information, draw conclusions about large populations based on measures from sample data, calculate critical z or t statistics to perform hypothesis tests and apply statistical methods to business and economic issues.

ECON 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ECON 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ECON 301 Industrial Organization (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
This course provides an analysis of the structure, conduct and performance of industries. Topics discussed include causes and measurement of market concentration, strategic behavior of firms and the development of public policies, such as antitrust and regulation, that affect business.

ECON 302 The Canadian Economy: A Comparative Approach (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
This course is an undergraduate introduction to the Canadian economy. It will provide the student with a brief, comparative overview of the size and structure of the Canadian and American economies, a close look at how the Canadian economy evolved from a resource to a modern industrial economy and a detailed study of the structure and institutions which make up the Canadian economy.

ECON 315 Money and Banking (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
The roles and functions of money and the banking system are discussed. Various monetary theories and the influence of monetary policy on the state of the economy are examined. Fall and spring semester

ECON 320 Comparative Economic Systems (3 credits)
The philosophical and structural foundations of capitalism and democratic socialism are studied. Emphasis is placed on a comparison of the American economy to the economies of other countries.

ECON 321 International Economics (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
Pure trade theory and its application to solving policy problems are covered in this course. Topics studied include balance of trade, balance of payments and monetary systems.

ECON 325 The Economy of Crime (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
The topics covered by this course include the theoretical and empirical analysis of the economic causes of criminal behavior, the social costs of crime and its prevention and the design of law enforcement policies.

ECON 331 Public Economics (3 credits)
Prerequisite: ECON 101 or ECON 102
Government intervention changes opportunities and incentives for individuals, families, businesses, and state and local governments. This course will provide students with an understanding of the reasons for and consequences of government intervention and policies. It combines public finance, which is how the government allocates resources, and public choice, which reflects the political decisions of voters and their elected representatives. We will apply economic tools to analyze public policy issues such as government intervention in combating environ-
mental pollution, the introduction of education vouchers, the contours of health care and social security reforms, among others.

ECON/POLI 340 Law and Economics (3 credits)
Prerequisite: POLI 172 or POLI 285; and ECON 101
This course examines the economic basis for legal decisions. Microeconomic theory is combined with an analysis of the law, with particular emphasis on case studies. Topics covered include the problems of defining property rights and the economics of tort, contract and criminal law.

ECON 350 Urban Economic Problems and Policies (3 credits)
Prerequisite: ECON 101 and ECON 102; or consent of the instructor
The economic aspects of selected urban problems such as housing, poverty, transportation, crime and the urban environment are analyzed. Public policies relating to these problems are discussed.

ECON 360 Urban Economic Problems and Policies (3 credits)
Prerequisite: ECON 101 and ECON 102; or consent of the instructor
This course analyzes the economics of environmental issues and natural resource use. Topics include allocation of renewable, nonrenewable and common property resources, external cost/benefit analysis, and public goods. Also included is the "ecological economics" approach which incorporates an analysis of the physical requirements for ecological sustainability.

ECON 375 Labor Economics (3 credits)
Prerequisite: ECON 101 and ECON 102 or consent of the instructor
This course analyzes the determination of wages and employment in the labor market. Applications of the theory include unemployment, discrimination, safety in the workplace and unions. Effects of government policies, such as comparable worth, affirmative action and health and safety regulations, are examined.

ECON 400 History of Economic Thought (3 credits)
Prerequisite: ECON 101 and ECON 102
An overview of the development of economic theory is presented in a historical context. The ideas of many important contributors to economic thought will be studied including those of Adam Smith, Karl Marx and John Maynard Keynes.

ECON 410 Mathematical Economics I (3 credits)
Prerequisite: MATH 141, MATH 142, MATH 120, ECON 101, ECON 102 or consent of the instructor
This course provides training in the use of calculus and other mathematical tools in comparative static analysis and the solving of optimization problems in economics.

ECON 411 Mathematical Economics II (3 credits)
Prerequisite: ECON 410
This course is a continuation of Mathematical Economics I. Topics will include dynamic analysis using the tools of integral calculus, difference and differential equations, linear programming and game theory.

ECON 420 Econometrics I (3 credits)
Prerequisite: ECON 101 and ECON 102; and ECON 210; or consent of the instructor
This course is an introduction to the methods of econometrics, including the two variable linear model, the generalized least squares estimator and auto-correlation.

ECON 421 Econometrics II (3 credits)
Prerequisite: ECON 420
This course is a continuation of Econometrics I. Topics discussed include stochastic regressors, instrumental variables, errors in variables, lagged variables and simultaneous equation methods.

ECON 430 Managerial Economics (3 credits)
Prerequisite: ECON 205 and ECON 210 or consent of the instructor
This course emphasizes the practical applications of micro and macroeconomic skills to real-life problems. Quantitative tools and case studies will be used to understand topics including demand, cost and output and pricing decisions in various market structures.

ECON 498 Internship in Economics (3-15 credits)
Prerequisite: Consent of department chairperson; formal application required
A non-classroom experience designed for a limited number of junior and senior majors to complement their academic preparation. Either semester

ECON 499 Directed Study in Economics (1-3 credits)
Prerequisite: Consent of the department chairperson; formal application required
Juniors and seniors who have demonstrated critical and analytical abilities in their studies may pursue an independent project under a faculty member's supervision. This course may be taken twice for a maximum of six credits. Either semester

ECON 502 Research (credit to be arranged)
Prerequisite: Consent of the department chairperson; formal application required
This course consists of original research undertaken by the graduate student in their field of interest under the sponsorship of a faculty adviser. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

ECON 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department chairperson; formal application required
This course is designed for the graduate student who desires to study selected topics in a specific field of interest under the direction of a faculty adviser. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

ECON 560 Special Topics in Economics (1-3 credits)
Special topics of current relevance in economics will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the adviser. Every semester

†May be taken for graduate level credit

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Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
EDHM 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

EDHM 210 Introduction to Teaching (3 credits)
Prospective candidates for teaching careers explore the teaching learning process in schools by examining the School of Education and Allied Studies Conceptual Framework Model and by reading, writing and analyzing research materials, by using technology, observing in the field, and by planning learning experiences. Candidates gain knowledge and experience concerning diversity, differentiated learning, special education, the Massachusetts Curriculum Frameworks, and the organizational structure of schools. Professional responsibilities, ethics, and legal aspects concerning education are also identified. Candidates will begin to develop their first portfolios as a professional in education. Field Experience: 20 hours in appropriate settings.

EDHM 235 Learning and Motivation (3 credits)
Candidates for teaching careers will investigate contemporary psychological theories of learning and motivation as they relate to instructional strategies, classroom management and the exigencies of public school teaching. Emphasis will be placed on the practical application of research-supported constructivist principles that promote authentic learning in the increasingly diverse classroom of the twenty-first century. Candidates will continue to develop their professional portfolios. Field Experience: 20 hours in appropriate settings.

EDHM 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills

EDHM 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

EDHM 335 Assessment and Planning (3 credits)
Prerequisite: EDHM 210 and EDHM 235 and admission to the Professional Education Program
This course is designed to enable candidates for teaching careers to understand and practice curriculum design, plan for instruction at a deeper level (than the introductory course), and build on assessment to include standardized testing, portfolios, and authentic assessment. The students will work collaboratively and individually to create and deepen their professional knowledge of teaching pedagogy. Candidates will continue to develop their professional portfolios. Field Experience: 20 hours in appropriate settings.

EDHM ___ Strategies for Teaching (3 credits)
Prerequisite: EDHM 210 and EDHM 235 and EDHM 335; LANG 324 for EDHM 424 and admission to the Professional Education Program
Strategies, including methods, materials and media for teaching particular disciplines are studied. Developing competency and versatility is stressed through simulations and guided teaching in area schools. A student registers for the course appropriate to the student's major according to the following schedules:

EDHM 413 Music
EDHM 424 Foreign Language
EDHM 425 Visual Art – High School
Course Descriptions

EDHM 459 Visual Art – Middle School
Also see HSED and MSED

EDHM 445 Content Area Reading, Writing and Study Skills (3 credits)
Prerequisite: EDHM 210 and EDHM 235 and EDHM 335 and admission to the Professional Education Program
Students will learn how to teach reading, writing, and study skills in their content area. Furthermore, they will understand how to develop their students’ critical thinking and problem solving skills. Technology is emphasized.

EDHM 490/495 Teaching Practicum (12 credits)
Prerequisite: Acceptance and good standing in the professional education program
Prospective teacher candidates are assigned appropriate student teaching stations where they work in an approved situation under an experienced supervising teacher or as a teacher of record. This is practical experience for one semester in a public school where teacher candidates are functioning as professional teachers in order to meet Massachusetts professional standards for teacher.

EDHM 499 Directed Study (1-3 credits)
Prerequisite: Consent of department; formal application required
This course is open to juniors, seniors and postbaccalaureate students who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. It may be taken twice for a maximum of six credits. The adviser’s permission is required.

EDHM 550 Middle and High School Theory into Practice (3 credits)
Prerequisite: Admission to Accelerated Postbaccalaureate Program
This course will focus on the philosophical and psychological foundations of secondary education with an emphasis on connecting learning theory to best practice. Developing competencies for effective, understandable and appropriate modes of communication in teaching is stressed through microteaching and other simulations. Emphasis is also placed on understanding the contemporary middle and high school, to include but not be limited to various organizational structures, curricula and teacher roles. (40 hours of field work is required.)

EDHM 552 Curriculum and Instruction in Middle and High School Mathematics and Science (3 credits)
Prerequisite: EDHM 550
In this course research and best practice in mathematics and science will be studied in relation to national standards and State Curriculum Frameworks. Multiple perspectives including diversity will be considered as critical factors in curriculum and instruction. Outcomes will focus on the nature of the disciplines and what to teach, and how to assess in a learning-centered classroom. (40 hours of field work is required.) Fall semester and summer session I

EDHM 554 Student Teaching Practicum (6 credits)
Prerequisite: EDHM 550; EDHM 552 or EDHM 553
Graduate students are assigned appropriate student teaching stations where they work in approved situation under an experienced supervising teacher. This is a practical experience for one semester in a public school where student teachers are functioning professional teachers. A college supervisor visits to assist the student teacher. Seminars may be held to exchange experiences. Students are expected to carry a minimum responsible teaching load equal to 50% of the regular teacher’s assignment. Full time for one semester. Either semester

EDHM 556 Employment-based Practicum (6 credits)
Prerequisite: EDHM 550; EDHM 552 or EDHM 553
A minimum of 300 clock hours will be required in an 8-12 grade setting as a high school teacher. The experience must be less than full time but at least one-third time employment in the role for which licensure will be sought. Request for this course must be made to the department and the student teaching office.

EDHM 558 The Reflective Middle and High School Practitioner (3 credits)
Prerequisite: EDHM 550; EDHM 552 or EDHM 553
Note: This course may be taken concurrently with EDHM 554 or EDHM 556.
This capstone course focuses on the candidates meeting all of the competencies needed for Massachusetts Initial Licensure for teaching. In this experience they will closely examine their own classroom learning and teaching practices that are consistent with the constructivist theory of learning. They will reflect upon and demonstrate their knowledge of the best practices that address high standards and expectations, effective instruction, assessment and classroom management. Each candidate for Initial Licensure will complete higher professional portfolio that clearly provides the evidence of achievement of the required performance outcomes.

EDHM 560 Special Topics (variable credit)
Prerequisite: Course prerequisites may be specified depending on the nature of the topic
Special topics of current relevance in education will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. The course may be taken more than once.

EDUCATIONAL LEADERSHIP (EDLE) (also see EDHM)

EDLE 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalo ... as that information supersedes the published version of this catalog.
Course Descriptions

EDLE 503 Directed Study (3 credits)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

EDLE 509 Seminar for Future Leaders (3 credits)
Prerequisite: Acceptance into the Educational Leadership Postbaccalaureate program
This course is the first in the accelerated licensure program in Educational Leadership. In the course, students will complete a portfolio in order to determine the number of credits (up to 9) that will be waived based on documentation presented to the Practitioner Panel. A maximum of two courses and half of the practicum can be waived based on prior leadership experience.

EDLE 510 Seminar on Educational Leadership for the Future (3 credits)
This course is the first course in the MEd program in Educational Leadership. To be admitted to the program, students must have completed this course or be concurrently enrolled. As an introductory course, one of the primary goals is to introduce students to major concepts and program strands that are developed in depth in subsequent courses. These include leadership theory applied to the educational setting, the nature of organizations, and key leadership skills such as decision-making, team building, empowering others, and fostering collaboration. Students will also begin their study of the change process, the dynamics of effective group process and ethical issues of school leadership. Finally, students will be introduced to the MEd program itself and encouraged to reflect on whether being an educational leader is something they really want to do. As part of the process, students will develop personal vision statements.

EDLE 511 Educational Leadership and Managerial Effectiveness (3 credits)
This course is designed to introduce prospective school leaders to the theory and practice of systems thinking as it is applied to organizational planning and development issues. School leaders need to know how to assess needs, establish priorities, set goals, allocate resources, and develop and implement strategic plans in order to facilitate effective educational programs and practices. As importantly, they need to develop the ability to involve others in the development, planning and implementation phases of school improvement efforts. Major topics include systems thinking (concepts and strategies) and the principles of total quality management (TQM) applied to the educational setting. The course also examines recent research on key topics.

EDLE 513 Special Topics in Educational Administration (1-3 credits)
Prerequisite: At least nine hours in educational administration or consent of the instructor. Additional prerequisites may be specified depending upon the nature of the topic. Selected and timely topics in the various fields of emphasis pertaining to educational administration. The topics to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the adviser.

EDLE 530 Research Applications for School Leaders (3 credits)
Future school leaders need to develop a solid foundation of understanding of the role of research in guiding and informing administrative practice and the habits of mind that foster inquiry and the active pursuit of school improvement. In this course students will study the major concepts and strands of research methodology and their applications in the school setting. They will also learn to become skilled consumers of educational research by reviewing and critiquing current research reports involving school organizational and leadership issues. Finally, each student will develop a research proposal in a formal paper.

EDLE 561 Elementary School Administration (3 credits)
EDLE 562 High School Administration (3 credits)
EDLE 563 Middle School Administration (3 credits)
The application of general principles of school administration to the specific problems of the elementary, middle or high school. Emphasis is on curriculum development and program evaluation; personnel supervision and evaluation; goal setting, establishing priorities, allocating resources, facilitating the educational process in response to the needs of learners, teachers and the community; school law; budgeting; plant management; community education; human concerns including dealing in an equitable, sensitive and responsive manner with students, teachers, parents and the community.

EDLE 564 Selection and Development of Educational Personnel (3 credits)
Staff selection and development will be studied including theories and techniques of supervision, evaluative procedures to assess the effectiveness of programs and personnel, organizational characteristics of schools and strategies for institutional change, in-service education and personnel and program planning.

EDLE 565 School Finance and Business Administration (3 credits)
A study of the financial support for public schools from local, state and federal governments. Fiscal planning, budgeting, plant management, state and municipal financing, accounting and purchasing procedures, distribution of supplies and services, transportation and food service will receive attention.

EDLE 567 Human Concerns in the Schools (3 credits)
A study of theory, research and practice in the area of human relations in the school including public relations; clear and appropriate communication; and equitable, sensitive and responsive relations with students, teachers, parents and the community.

EDLE 569 Legal Aspects of School Administration (3 credits)
Legal rights, duties and liabilities of school personnel in general relationship to the school committee in Massachusetts will be studied. Intended for administrators, prospective administrators and classroom teachers interested in the legal aspects of school committees, school property, teaching contracts, labor relations and collective bargaining, tenure, prevention of injury and accidents to students, relationships with parents and a general survey of educational law cases at the local, state and national levels.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
EDLE 572 Technology for School Administrators (3 credits)
New administrative software will be reviewed as each student becomes proficient in the use of a microcomputer. Students will also become familiar with educational uses of interactive television, videodisk and hypercard. Distance learning and cooperative projects will also be addressed.

EDLE 578 Curriculum Improvement (3 credits)
Contemporary theories of curriculum design and evaluation are explored. Students are expected to develop an eclectic approach to curriculum improvement based upon those theories and upon contemporary organizational factors, including leadership and management. Material is presented relating to developing community education programs and to personnel and program planning.

EDLE 579 Diversity Issues for School Leaders (3 credits)
This course is designed to assist in the focusing of school administrators and leaders on issues of diversity and assessing how these issues will impact the total school community.

EDLE 580 Practicum in Administration of Special Education (3 or 6 credits)
EDLE 582 Practicum in School Business Administration (3 or 6 credits)
EDLE 583 Practicum in Supervisorship/Directorship (3 or 6 credits)
EDLE 584 Practicum in Elementary School Principalship (3 or 6 credits)
EDLE 585 Practicum in Middle School Principalship (3 or 6 credits)
EDLE 586 Practicum in High School Principalship (3 or 6 credits)
EDLE 587 Practicum in Superintendency/Assistant Superintendent (3 or 6 credits)
Prerequisite: Consent of department; formal application required
Students enrolled in a practicum for 3 credits must complete 200 hours of fieldwork. Those students enrolled in 6 credits of practicum must complete 400 hours of fieldwork. Students will be required to meet national competencies. Information outlining these competencies will be distributed at an orientation meeting. The practicum is jointly supervised by a college supervisor and a cooperating practitioner. This course may be repeated once for a maximum of 6 credit hours.

EDLE 591 Seminar in School Administration: The Superintendent (3 credits)
Examination of major issues and problems confronting school superintendents. Students will be expected to study the relevant literature pertaining to school administration and prepare scholarly papers for class presentation.

EDLE 603 Directed Study in School Administration (3 credits)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the School of Graduate Studies section of this catalog.

EDLE 661 Effective School Leadership for Elementary Schools (3 credits)
EDLE 662 Effective School Leadership for Middle Schools (3 credits)
EDLE 663 Effective School Leadership for High Schools (3 credits)
These courses address principles of effective leadership and management for elementary, middle or high schools. Emphasis is on the role of the principal as an instructional leader and manager of change. Specific topics include goal setting, site based management, and team leadership as well as operational issues involving plant management, scheduling and fiscal administration. (Course restricted to cohort members)

EDLE 664 The Personnel Function of Public Schools (3 credits)
Staff selection and development will be studied in the context of the personnel function of public schools as well as techniques of clinical supervision. In addition, strategies such as peer coaching and microteaching, designed to enable the practitioner to promote effective teaching, will be examined. Students will assess the effectiveness of personnel and staff development program approaches as integral to long range organizational development. (Course restricted to cohort members)

EDLE 665 Fiscal Aspects of School Administration (3 credits)
This course deals with all aspects of the financing of public schools in Massachusetts and the implementation of Proposition 2 1/2 and the Educational Reform Act of 1993. Major topics include fiscal planning for technology, capital improvements and programs and services. Plant management, accounting, purchasing, transportation, food service and revolving accounts are covered in detail. (Course restricted to cohort members)

EDLE 667 Communication Between and Among School Stakeholders (3 credits)
Written and oral communication and interpersonal skills are studied and practiced in detail. Topics include sensitivity to all aspects of the audience, targeting the message, identifying power structures and opinion leaders and dealing with conflict and stress. The course addresses the articulation of the vision and mission of schools through the development of a communications plan. A range of community relations issues including working with the media, business partnerships, school councils and parental interactions are covered. (Course restricted to cohort members)

EDLE 669 Concepts and Cases in School Law (3 credits)
Constitutional, statutory, regulatory and contractual aspects of public schools are studied. The procedures and strategies for their development and the political implications of their implementation are discussed and analyzed through case studies. Massachusetts Reform Law and the development and implementation, monitoring and revision of school committee policies and procedures are main focus of this course. (Course restricted to cohort members)

EDLE 670 Certificate of Advanced Graduate Study (CAGS) Seminar (3 credits)
This course is the first course of the program. A major objective of this course is to challenge each student to...
Course Descriptions

EDLE 672 Technology for Administrators (3 credits)
This course will examine the many uses of technology in a school administrative setting. Attention will be given to using several computer software management programs, examining state and federal initiatives and guidelines concerning technology in K-12 education, creating administrative multimedia presentations and assessing personal strengths and weaknesses in the use of technology in school administrative roles. Discussions concerning the ethical use of technology in an educational setting will help clarify the role of school administrators as leaders in promoting student and faculty awareness of the proper use of information mediums. (Course restricted to cohort members)

EDLE 675 Research Issues in School Administration (3 credits)
School leaders have a responsibility to be reflective practitioners and to develop and instill in others the habits of mind that foster inquiry and the active pursuit of school improvement. This course has three primary purposes: 1) to foster skillful and discriminating consumers of educational research; 2) to help participants understand the implications of research for school leaders; and 3) to enable each participant to complete first drafts of the background and significance and literature review of his/her leadership project. In the process, research methodologies and their applications in the school setting will be reviewed. (Course restricted to cohort members)

EDLE 677 Systems Planning for Educational Leaders (3 credits)
Successful educational planning and managerial strategies to assess and define needs, establish priorities, set goals, allocate resources, implement plans and facilitate the instructional process in response to the needs of learners, teachers and the community are explored. Major topics include systems thinking and planning and the principles of total quality management applied to the educational setting. Additionally, this course examines recent research on planning and organizational development in education. (Course restricted to cohort members)

EDLE 678 Curriculum Development and Program Management (3 credits)
This course focuses on the analysis of factors influencing curriculum design, research and reform, including the frameworks in Massachusetts, assessment and evaluation. Trends in curriculum theory and leadership role of administrators in curriculum alignment, instrumental planning, and program assessment are major topics. (Course restricted to cohort members)

EDLE 679 Practicum in School Business (3 or 6 credits)
EDLE 680 Practicum in Administration of Special Education (3 or 6 credits)
EDLE 683 Practicum in Supervision/Directorship (3 or 6 credits)
EDLE 684 Practicum in Elementary School Principalship (3 or 6 credits)
EDLE 685 Practicum in Middle School Principalship (3 or 6 credits)
EDLE 686 Practicum in High School Principalship (3 or 6 credits)
EDLE 687 Practicum in Superintendent/Assistant Superintendent (3 or 6 credits)
EDLE 688 Practicum in Directorship of Guidance (3 or 6 credits)
EDLE 689 Practicum in Directorship of Pupil Personnel Services (3 or 6 credits)
Students enrolled in a practicum for 3 credits must complete 200 hours of fieldwork. Those students enrolled in 6 credits of practicum must complete 400 hours of fieldwork. Students will be required to meet national competencies. Information outlining these competencies will be distributed at an orientation meeting. The practicum is jointly supervised by a college supervisor and a cooperating practitioner. This course may be repeated once for a maximum of 6 credit hours.

EDLE 681 CAGS Extern (3 credits)
All CAGS students must complete a leadership project that combines theory and practice and contributes to the knowledge base of educational practitioners. This course focuses on the implementation, documentation and reporting of the student leadership project. Participants working under the guidance of the instructor, complete their projects and defend them in oral comprehensive examinations. Graded on a (P) Pass/(N) No Pass basis. (Course restricted to cohort members)

EDLE 682 CAGS Extern II (1 credit)
Prerequisite: EDLE 681
A continuation of EDLE 681. Students who do not complete their leadership project in EDLE 681 in an academic year will be required to register for EDLE 682 each semester thereafter (fall and spring) until the project is completed. Graded on a (P) Pass/(N) No Pass basis. (Course restricted to cohort members)

EDLE 691 The School Superintendency (3 credits)
This course explores topics related to the school superintendency, including the nature of the role itself, the skills and competencies needed to prosper in it, critical issues facing superintendents and schools and the dynamics of organizations and perspectives for understanding them.

Other approved courses:
EDLE 559 Administration of Community Education Program
EDLE 566 School Plant Planning and Administration
EDLE 576 Issues for Women Administrators

EDUCATION-MASTER'S CORE (EDMC)

EDMC 530 The Teacher as Researcher (3 credits)
This course is designed to provide graduate students in education with an introduction to the research process. Emphasis will be placed upon acquiring pragmatic skills.
that can be used throughout one's career. Students will be expected to read and interpret statistical parts of standardized tests but not to be expected to run statistical programs. The course will stress the development of skills required for the critical evaluation of current research studies. Students are expected to become informed and critical consumers of research literature, and become familiar with the methods and technology surrounding scientific inquiry.

EDMC 531 The Standards-based Classroom: Curriculum (3 credits)
This course focuses on constructivism and other key theories and concepts of curriculum design, development, and program evaluation in relation to national standards and the Massachusetts Frameworks. Curriculum issues and classroom applications will be studied in detail as well. As a final exercise, students will work independently and collaboratively to present and defend a curriculum unit that is relevant to their area of licensure.

EDMC 532 The Teacher as Leader: From Issues to Advocacy (3 credits)
This course addresses the critical social, economic, political and sociocultural issues challenging educators and society today. Issues are examined from a variety of vantage points, including theoretical underpinnings, research findings, and the position taken by professional organizations. Students are expected to articulate a personal position on critical issues and to practice school leadership and community advocacy on issues of concern.

EDMC 533 The Standards-based Classroom: Instruction and Assessment for Diverse Learners (3 credits)
This course focuses on effective, differentiated instruction as well as on the purposes of educational assessment, both formal and informal. Current trends in instructional strategies and assessment as related to diverse learners and to effective classroom management will be examined in detail.

EDMC 538 The Professional Teacher (3 credits)
Prerequisite: EDMC 530, EDMC 531, EDMC 532, EDMC 533
This course is designed to be the capstone course taken at the end of the student's program. This course addresses the changing context of teaching in view of the BSC Conceptual Framework, mentoring, peer coaching, and the national standards for professional teachers. Students will analyze the impact of educational reform efforts aimed at improving the teaching, learning and professional development of teachers in the educational environment. Reflective practice and written communication are key components of the course.

ELEMENTARY EDUCATION (ELED)

ELED 120 Child Study in the Early Childhood and Elementary Education Classroom (3 credits)
This course is designed for anyone interested in pursuing an elementary or early childhood teaching license. The goal of this course is to offer integrated knowledge of child educational development, classroom behaviors of children, teaching and the professional roles of school-based faculty and staff. Students will study the physical, social, emotional, cognitive and linguistic development and learning characteristics of children and young adolescents. Content to be covered includes diversity in the classroom, English Language Learners, child educational development theories and research, and responsibilities of school faculty and staff in meeting children's developmental needs. This course requires 20 hours of observation in an elementary classroom, and the school may request a Criminal Offenders Record Information.

ELED 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ELED 200 Introduction to Computers for the Elementary School Classroom (3 credits)
Designed as a computer literacy course for K-6 pre-service teachers, in-service teachers and supervisory personnel. The course covers the history, capabilities, role and literacy in computer education. Early childhood and elementary school applications are to be explored in a computer laboratory setting. No prior knowledge or experience with computers is assumed. Either semester

ELED 220 Introduction to Elementary Education (3 credits)
This foundations course examines elementary education (grade 1 through grade 6) from a variety of perspectives including historical, sociocultural, and developmental. A 40-hour field-based experience is attached to this course. This field-based experience is used to contextualize topics and issues including typical and atypical child development, learning theories, diversity, developmentally-appropriate practices, teaching models and approaches, professional teaching standards, and critical issues related to teaching and child growth and development. This course prepares students to apply for admission into Bridgewater's teaching licensure program.

ELED 250 Foundations of Reading (3 credits)
This course will explore topics identified by the Foundations of Reading MTEL™ (Massachusetts Test for Educational Licensure) and other tests that measure knowledge related to reading and language development. MTEL objectives will be emphasized, supported by content from the five areas of the Put Reading First Initiative: Phonemic Awareness, Phonics, Vocabulary, Fluency, and Comprehension. Teacher candidates may enroll in this course prior to being admitted to the Professional
Course Descriptions

Education courses and professional courses. (Formerly ELED 320)

ELED 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ELED 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ELED 300 Elementary Art Methods (.5 credit)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, and Foundations of Reading, and General Curriculum
An introduction to methods and materials in art for the elementary teacher. Art projects typical of those done by children in grades K-6 are produced. Classroom management, bulletin board design and lesson introduction techniques are explored. Graded on a (P) Pass/(N) No Pass basis. Either semester

ELED 310 Teaching Science and Social Studies in the Elementary School (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, and Foundations of Reading, and General Curriculum
This course will examine the development of current curriculum that will influence the teaching of science and social studies. Emphasis will be placed on the methodologies of these disciplines with a strong focus on cooperative learning, assessment and hands-on science.

ELED 330 Teaching Reading in the Elementary School (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, and Foundations of Reading, and General Curriculum
A consideration of the teaching/learning processes involved in the acquisition of literacy: modeling teacher-child interactions and independent exploration. Careful monitoring of pupil progress and appropriate interventions are emphasized. Either semester

ELED 340 Teaching Language Arts in the Elementary School (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, and Foundations of Reading, and General Curriculum
Strategies in the elementary school to enhance the communication skills of reading, writing, listening and speaking through pupil involvement in purposeful communication will be stressed. Special emphasis will be given to the teaching of writing and to the development of thinking skills through questioning. Either semester (CWRM)

ELED 350 Teaching Mathematics in the Elementary School (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, and Foundations of Reading, and General Curriculum
Examining the purpose and content of the contemporary elementary school mathematics curriculum, this course emphasizes how children learn mathematics, a wide variety of teaching procedures and instructional materials, evaluation techniques for use in the classroom and pedagogical methodology for individualization. Designed also to create awareness of affective experiences in the teaching/learning process of elementary school mathematics. Either semester

ELED 355 International Study Tour in Elementary Education (3 credits)
Prerequisite: Acceptance through the International Programs Office
This course will offer students a chance to examine educational structures, policies and institutions of diverse societies, and the influence of education on the different aspects of those societies. The travel study tour will begin with pre-travel planning at BSC where students have the opportunity to study the destination's educational system and related issues. Course contact will vary depending on faculty and topic selected, as will the specific content requirements and instructional strategies.

ELED 360 Teaching in a Standards-based, Inclusive Elementary Classroom (3 credits)
Prerequisite: Admission to the Professional Education Program and passing scores on all appropriate MTEL: Communication and Literacy, and Foundations of Reading, and General Curriculum
This course explores ways to plan, teach and assess in a standards-based, inclusive classroom. Topics include

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
standards-based curriculum development, constructivism, education evaluation, and assessment (including the design of a professional teaching portfolio). Classroom-based "inclusive" models and teaching strategies, and professional teaching standards will be examined. Either semester

ELED 362 Methods and Materials in Elementary Art
(3 credits)
Prerequisite: Admission to the Professional Education Program
The objective of art education, role of the classroom teacher, developmental stages in the creative growth of children; materials, processes, tools and teaching procedures which will foster this growth at the various grade levels; correlation of art with other subject fields and evaluation of student progress. Offered evenings and summers only

ELED 441 Methods and Materials in Outdoor Education for the Elementary Teacher (3 credits)
New trends and practices in elementary curriculum and methods in outdoor education will be explored in a natural setting. Analysis of different approaches to curriculum construction, teaching procedures, integration of material to classroom and school setting will be implemented. Offered evenings and summers only

ELED 450 Elementary School Curriculum (3 credits)
Roles of the administrator, the teacher, the parent and the child in the development of the changing curriculum in the elementary school. Use of action research, in-service training, innovations for curriculum improvement, school organizations, team teaching, the non-graded school, individualized instruction, the reevaluation of objectives and democratic values. Offered evenings and summers only

ELED 452 Methods and Materials in Elementary Education (3 credits)
Prerequisite: Admission to the Professional Education Program
Effective ways of vitalizing the teaching/learning process through teacher-pupil planning, participation and evaluation. Emphasis on creative teaching and the individualized approach. Materials and strategies are examined in the light of current issues. Offered evenings and summers only

ELED 457 Strategies for Managing Classroom Behavior (3 credits)
This course will assist education students in developing their skills in classroom management. Consideration will be given to successful management models and teaching strategies as they apply to the developmental levels of children. Offered evenings and summers only

ELED 490 Supervised Teaching in the Elementary Schools: Art (6 or 12 credits)
Prerequisite: Acceptance into student teaching
Supervised experiences in classroom art activities. Experiences gained in teaching techniques, materials, individual differences, and classroom management. Supervision by the cooperating teacher and college supervisor. Full time for one quarter. Either semester

ELED 491 Internship in Elementary Education (6 or 12 credits)
Prerequisite: Employment in a host school system; completion of all School of Education and Allied Studies and Departmental requirements; approval by the Department (including site and mentor)
An internship is a supervised experience for one semester (at least 400 clock hours). To be eligible for an internship a candidate must be employed by the school system and be in the role of elementary classroom teacher. During this internship a candidate will gain experience and refine his/her skills as a classroom teacher. Interns will have a qualified, on-site mentor and will be supervised by the college. A candidate must demonstrate his/her competencies for initial teaching licensure and complete documentation requirements.

ELED 492 Supervised Teaching in Public Schools: Elementary (6 or 12 credits)
Prerequisite: Acceptance into student teaching
This student-teaching practicum is a supervised experience for one semester. Candidates are assigned by the School of Education and Allied Studies to an appropriate elementary-school classroom (grades 1-6) where they will work to develop and refine their teaching skills. Candidates will have the opportunities to observe students and classrooms, design curriculum, practice effective classroom-management techniques, utilize contemporary teaching strategies and differentiate instruction to meet the needs of all learners. Candidates will be coached and supervised by a qualified, on-site cooperating practitioner and a faculty member of the elementary and early childhood department. Candidates are required to attend periodic seminars on educational topics relevant to the student teaching experience. A candidate must demonstrate his/her competencies for initial teaching licensure and complete all departmental requirements. May be taken for 6 or 12 credits. Dual licensure majors take ELED 492 for 6 credits. Either semester

ELED 498 Internship in Elementary Education (3-15 credits)
Prerequisite: Consent of the department; formal application required
Off-campus experience in an area related to the major. In-depth exposure to educational programs, centers and institutions. This internship does not lead to teacher licensure.

ELED 499 Directed Study in Elementary Education (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

ELED 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the undergraduate student in their field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

†May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
ELED 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

ELED 510 Fundamentals of Elementary Education
(3 credits)
This course is intended to be an introductory course at the Graduate Level for candidates seeking initial Licensure as an Elementary Teacher (Grades 1-6). The course is designed to offer students an understanding of numerous relevant topics in education, for example, the foundations of education as it relates to student learning, effective instructional practices and appropriate accommodations for diverse learners, classroom management models, lesson plan models, diversity and exceptionalities, technological applications for the elementary classroom, and resources for practicing teachers. The course is also designed to help students make an informed decision as to their choice of becoming an elementary teacher. During a 40 hour pre-practica experience, aspiring teachers grow as professional educators as they interact with teachers and children, confirming their choice as an elementary educator. Fall and spring semester and summer session I

ELED 511 Theory and Practice in Teaching Reading
(3 credits)
Prerequisite: ELED 510 or ECED 510 and admission to the Professional Education Program
A thorough explanation is given of the social-psycho linguistic view of reading and its practical application in the elementary classroom. The acquisition of literacy will be explored through alphabetic principle, guided reading techniques, pre-monitoring, teacher-child interactions and a variety of assessments. Students will design, implement and reflect on research-based elementary level reading lessons. The English/Language Arts Curriculum Framework will serve as a guide for classroom instruction.

ELED 512 Theory and Practice in Teaching Language Arts
(3 credits)
Prerequisite: ELED 510 and admission to the Professional Education Program
Explorations of language development and acquisition, writing processes and strategies, a variety of genres, motivational techniques and assessment tools will focus around integral components of the Language Arts Program. Effective literacy teaching techniques and strategies will be modeled and explained. Students will design, implement and reflect on research-based elementary language arts lessons. The Massachusetts English/Language Arts Framework will be used as a guide to instruction within the elementary classroom.

ELED 513 Mathematical Applications for the Classroom
(3 credits)
Prerequisite: ELED 510 or ECED 510 and admission to the Professional Education Program
Teaching in the context of current research about how children learn mathematics, this course helps participants develop an understanding or what it means to do mathematics. Participants will explore and experience ways math can be taught through problem-solving that develops both concepts and procedures. The Massachusetts State Frameworks and National Standards will be considered.

ELED 514 Exemplary Practice in Science and Social Studies Classrooms
(3 credits)
Prerequisite: ELED 510 or ECED 510 and admission to the Professional Education Program
Students in this class will examine the science content and process, which lead to inquiry teaching and learning in the global society. Emphasis will be placed on the acquisition of scientific literacy and global understanding for all students. The Massachusetts State Frameworks and National Standards will be considered. The course will prepare beginning teachers to bring innovation and excellence to all students in diverse classrooms.

ELED 515 Differentiating Instruction: Creating Inclusive Classrooms
(3 credits)
Prerequisite: ELED 510 and admission to the Professional Education Program
By participating in in-class and out-of-class experiences and by reviewing the literature related to child development, research-based instructional and assessment practices, and other related topics relevant to differentiating instruction, including child-study procedures and current laws, teacher candidates will be able to use assessment to guide classroom practices and instructional supports to differentiate instruction for all learners.

ELED 520 The Changing Context of Teaching: Mentoring, Clinical Supervision and Peer Coaching
(3 credits)
Prerequisite: Open to experienced teachers
The purpose of this course is to study the changing context of teaching in view of mentoring, clinical supervision and peer coaching. Students will analyze the impact of educational reform efforts aimed at improving teaching and learning that highlight mentoring as a key component of the professional development of teachers. The Principles of Effective Practice and the Curriculum Frameworks will be the foundation for thinking about effective teaching strategies. Students will observe peers teaching lessons and analyze those lessons using the Principles of Effective Practice and Curriculum Frameworks. Course participants will learn how to plan and conduct a pre-observation conference and a post-observation conference. In addition, students will study the problems and issues related to mentoring.

ELED 530 Enhancing Language Skills in the Classroom
(3 credits)
The intent of the course will be to: 1) heighten teacher perception of communication potential in the classroom, 2) suggest techniques for the use of language skills as the vehicle in all content areas, 3) assist the teacher in the design of materials to fit special needs of the classroom, 4) aid the teacher in the classroom implementation of the designed materials.

ELED 551 Discovering Science: Current Elementary School Science Programs
(3 credits)
Prerequisite: ELED 460 or consent of the instructor
Provides students with opportunities to explore the

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

philosophy, psychology, materials and methods of implementation of the inductive programs for elementary science and to participate in a curriculum development process. Most resource materials used originate in current elementary science programs—Elementary Science Study, Science: A Process Approach, and the Science Curriculum Improvement Study.

ELED 552 Advanced Methods for Teaching Science and Social Studies: Theory into Practice (3 credits)
Based on the work of Project PALMS (Partnership Advancing Learning of Mathematics and Science), this course will focus on improving the way science and social studies are taught and learned in elementary school classrooms. Modules will include: constructivism; strategies for teaching using inquiry-based approaches; developing "hands-on" science and social studies materials; using technology in science and social studies; new, alternative strategies for assessment; understanding and using the new curriculum framework and national standards for both science and social studies education. Teachers will develop advanced teaching strategies that encourage students to develop "process skills" including critical graphing skills and other skills associated with the scientific inquiry. With these skills, elementary school students will be able to achieve the goals of scientific literacy and responsible citizenship.

ELED 554 Graduate Seminar in Elementary Education (3 credits)
Prerequisite: Completion of all required Med courses
An integration of formal study, current research and personal experience. Each student will make an extensive study of a significant problem in elementary teaching.

ELED 560 Special Topics in Elementary Education (variable credit)
Prerequisite: Course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in elementary education will be offered from time to time. The topic to be addressed will be announced in preregistration publications. May be taken more than once with the consent of the adviser.

ELED 566 Technological Applications for Education (3 credits)
This course offers the participant the opportunity to become technologically literate and to be able to create a classroom environment, which allows new tools to be used for teaching and learning. An additional goal of the course is to allow the participant to work with information storage and retrieval materials linked to the curriculum in non-threatening, understandable and applicable ways.

ELED 567 Contemporary Teaching Techniques for Mathematics (3 credits)
Prerequisite: ELED 350
Along with creating a comfortable mathematics environment, this course considers how to assist the student in problem-solving processes, appraisal of current mathematical programs, diagnosing computational error patterns, integrating the computer into the mathematics curriculum. Other selected topics are explored in light of current mathematical standards and trends.

ELED 571 International Study Program in Elementary Education (3 credits)
Prerequisite: Consent of the International Programs Department
This course will offer BSC students a chance to examine educational structures, policies, and institutions of diverse societies, and the influence of education on different aspects of those societies. The travel study abroad program will begin with pre-travel planning at BSC where students have the opportunity to study the destination's system and related issues. Course content will vary depending on faculty and topic selected, as will the specific content requirements as long as BSC prerequisites are followed. Each course will use a variety of instructional strategies, once again depending on their professor's intentions, goals for the students and resources available in-country. This course is repeatable for credit.

ELED 573 Developing Elementary School Curriculum (3 credits)
This course will organize its members into a curriculum committee and will, by democratic group process, prepare an elementary curriculum guide for a specific subject or subject area. Most of the resource materials used in the guide will originate in various current elementary programs. Each participant will receive a copy of the finished guide.

ELED 592 Practicum: Elementary Education (6 or 12 credits)
Prerequisite: Acceptance and good standing in teacher preparation program
This graduate level practicum involves supervised experiences in classroom activities and experiences gained in teaching techniques, individual differences and classroom management. Opportunities are available in a variety of instructional environments. Supervision by the cooperating teacher and college supervisor. Full time for either one quarter or a full semester. Either semester.

Other Approved Courses:
ELED 351 Improving Mathematical Instruction in the Elementary School
ELED 370 Kindergarten Theory and Methods
ELED 371 The Preschool
ELED 390 Field Based Practicum
ELED 454 Seminar in Elementary Education
ELED 456 Current Issues in Elementary Education
ELED 494 Supervised Teaching in the Elementary School—Music
ELED 556 Curriculum for the Gifted Child in Elementary Schools
ELED 580 LOGO for the Microcomputer in the Elementary Classroom
ELED 590 Advanced Research Topics in Computer Education for the Elementary School
ELED 593 Internship: Elementary Education

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/ addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

ENGLISH (ENGL)

Successful completion of ENGL 101, ENGL 102 (or their equivalent) is a prerequisite to all other English (ENGL) courses with the exception of ENGL 199, ENGL 300 and ENGL 324.

ENGL 101 Writing I (3 credits)
Prerequisite: Placement Test

By intensive practice in composing short expository essays, the writer explores various techniques for discovering, developing and organizing ideas. Special attention will be given to mastering essential skills appropriate to academic writing. (CWR1)

ENGL 102 Writing II (3 credits)
Prerequisite: ENGL 101 or Placement Test

Continuing to develop essential skills, the writer learns and practices various techniques of argumentation. Special attention will be given to learning basic research skills and to integrating the ideas of others into one's own text. Emphasis is on longer and more substantive essays and a research paper. (CWR2)

ENGL 135-136 Freshman Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor and ENGL 102

Freshman Honors Colloquia in English allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is 12. Topics vary from semester to semester. ENGL 135 fall semester, ENGL 136 spring semester

ENGL 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.

First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ENGL 200 Personal and Public Writing (3 credits)
Prerequisite: ENGL 102

This intermediate composition course provides students with additional instruction in sentence and paragraph structure. Through reading and writing assignments involving literary narratives, interviews, case studies, and ethnographies, students move from written explorations of personal experience to academic or professional analysis of this experience.

ENGL 201 Technical Writing I (3 credits)
Prerequisite: ENGL 102

Emphasis on writing with practical applications, such as summaries, abstracts, outlines, proposals, interviews, progress reports and a guided research paper. Subject matter is often drawn from the students’ own disciplines.

ENGL 202 Business Communication (3 credits)
Prerequisite: ENGL 102

The course develops competence in recognition and production of business summaries and abstracts, memoranda and letters and reports. Concerns of style, tone, arrangement, format and information levels are treated in the context of various explicit and implicit management structures.

ENGL 203 Writing About Literature (3 credits)
Prerequisite: ENGL 102

This course will help students develop the skills needed for writing papers in upper-level literature courses. By reading, discussing and writing about works in various genres, students will learn what sorts of questions are likely to generate insight into a work of literature, how to develop and support such insights in a paper, how to distinguish a valid from an invalid interpretation, and how to use the specialized terminology associated with each of the major genres.

ENGL 204 Responding to Writing (1 credit)
Prerequisite: ENGL 102 and consent of the Director of the Writing Studio

This course teaches students to negotiate the demands of responding to writers and their work face-to-face and one-on-one, with an emphasis on collaborative learning techniques, writing processes, interpersonal dynamics and rhetorical analysis. This course is repeatable to three credits.

ENGL 211 Literary Classics of Western Civilization to 1600
(3 credits)
Prerequisite: ENGL 102

Major works of Western literature from ancient times through the Renaissance are studied. The course encompasses diverse literary forms and themes through such works as the Bible, Homeric epics, Greek drama, The Divine Comedy and a Shakespearean play. (CHUM; CGCL; CWRT)

ENGL 214 The Classical Tradition (3 credits)
Prerequisite: ENGL 102

Major Greek and Roman writers in Modern English translation are studied. Included will be such figures as Homer, Sophocles, Plato, Euripides, Cicero and Virgil. (CHUM; CGCL; CWRT)

ENGL 221 Major British Writers to 1800
(3 credits)
Prerequisite: ENGL 102

Representative works by major British writers from the Anglo-Saxon period through the 18th century are studied, including such figures as Chaucer, Shakespeare, Milton, Donne, Pope and Swift. (Satisfies English Literature before 1800 area requirement. Credits only applied once.) (CHUM; CWRT)

ENGL 222 Major British Writers since 1800
(3 credits)
Prerequisite: ENGL 102

Representative works by major British writers of the 19th
and 20th centuries are studied, including such figures as Wordsworth, Keats, Tennyson, Dickens, Shaw, Yeats, Eliot, Woolf and Joyce. (CHUM; CWRT)

ENGL 227 Creative Nonfiction Writing Workshop (3 credits)
Prerequisite: ENGL 102 or consent of the instructor
Class members will study the art and craft of creative nonfiction writing through the reading and discussion of published creative nonfiction and creative nonfiction written by students. The goal of this course is to improve writing through careful reading and reflection, thoughtful discussion of, and written responses to student produced creative non-fiction. May be repeated once for credit.

ENGL 228 Fiction Writing Workshop (3 credits)
Prerequisite: ENGL 102
Class members will study the art and craft of fiction writing through the reading and discussion of published stories and stories written by students. The goal of this course is to improve writing through careful reading and reflection, thoughtful discussion of, and written responses to student produced fiction. This course may be repeated once for credit.

ENGL 229 Poetry Writing Workshop (3 credits)
Prerequisite: ENGL 102
Class members will study the art and craft of poetry writing through the reading and discussion of published poems and poems written by students. The goal of this course is to improve writing through careful reading and reflection, thoughtful discussion of, and written responses to student produced poetry. This course may be repeated once for credit.

ENGL 230 Creative Writing (3 credits)
Prerequisite: ENGL 102
Problems of invention, composition, form and style solved through frequent practice and criticism of professional and student models and anecdotal evidence of professional writers. May be offered in short fiction, poetry or drama and repeated once for credit.

ENGL 231 Major American Writers to 1865 (3 credits)
Prerequisite: ENGL 102
Representative works by major American writers from the 17th century through the Civil War are studied. Included are such figures as Franklin, Wheatley, Poe, Emerson, Douglass, Hawthorne, Melville and Whitman. (CHUM; CWRT)

ENGL 232 Major American Writers since 1865 (3 credits)
Prerequisite: ENGL 102
Major American writers from the Civil War to the present are studied including such figures as Twain, Dickinson, James, Frost, Hemingway and Faulkner. (CHUM; CWRT)

ENGL 233 Introduction to the African-American Novel (3 credits)
Prerequisite: ENGL 102
African-Americans have distinguished themselves artistically in many modes of expression, but perhaps none as profoundly as the novel. Tracing the development of this tradition that began before slavery's end, students will read the works of writers such as Hannah Crafts, Zora Neale Hurston, Richard Wright, Ralph Ellison, Alice Walker, and Toni Morrison. The course will present these novels not only in their historical and cultural contexts but also in the evolving narrative tradition of African-American writers. Students will understand better how the human questions posed by familiar American authors are also explored by African-American novelists. (CHUM; CMCL; CWRT)

ENGL 241 Shakespeare (3 credits)
Prerequisite: ENGL 102
This general introduction to Shakespeare's plays is set against the background of his time and includes a detailed study of representative tragedies, comedies and histories. (CHUM; CWRT)

ENGL 251 Literary Themes (3 credits)
Prerequisite: ENGL 102
Major literary texts are examined from the perspective of a common theme. In a given semester the course might concern itself with love, the family, madness, law, nature (as examples of particular themes) to illustrate how writers from diverse cultures and/or historical periods working with different genres shape imaginative responses to enduring themes. This course may be repeated for different topics. (CHUM; CWRT)

ENGL 252 Literary Types (3 credits)
Prerequisite: ENGL 102
Major literary texts are examined from the perspective of one genre or type and focus in a given semester on the novel, drama, poetry, short story and biography. Works from diverse cultures and/or historical periods will be used to illustrate how conventions of type or genre shape a writer's discourse. This course may be repeated for different topics. (CHUM; CWRT)

ENGL 253 Non-Western Literature (3 credits)
Prerequisite: ENGL 102
This course introduces the student to the fiction, poetry and drama of the non-Western world. The works to be studied are chosen both for their literary qualities and for insight into different social contexts and cultural conditions. (CHUM; CGCL; CWRT)

ENGL 254 Literature for Elementary Education Majors (3 credits)
Prerequisite: ENGL 102
Literary texts from diverse cultures and historical periods will be examined in the context of either a common theme or a single literary genre. Representative works for British, American and world literature in translation will be used to practice techniques of close reading and to develop an understanding both of literary form and technique. Special attention will be given to the manner in which literature reflects the beliefs and values of its historical context. The student will learn various ways of talking and writing about literature. (Designed for non-English major Elementary Education students.) (CHUM; CWRT)

ENGL 255 East Asian Literature in Translation (3 credits)
Prerequisite: ENGL 102
The course is a writing intensive seminar designed to introduce students to a variety of texts by East Asian authors. Students will gain insight into other cultures through the examination and analysis of literary works from China, Taiwan, Korea, Japan, Vietnam, Cambodia, and the Philippines. (CGCL, CHUM, CMCL, CWRT)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ENGL 261 Film Study: Introduction to the Art (3 credits)  
Prerequisite: ENGL 102  
Major American and foreign films and directors from the silent era to the present are evaluated to develop critical awareness and aesthetic appreciation of film as an art form. In addition, film viewing, readings in film theory, interpretation and criticism are required. (CHUM; CWRT)

ENGL 262 Film Study: Literature and Film (3 credits)  
Prerequisite: ENGL 102  
Adaptations of literature into film will be evaluated to develop an understanding of the narrative demands of both genres. Viewing and reading works in both media will be required. (CHUM; CWRT)

ENGL 280 The Journalistic Essay (3 credits)  
Prerequisite: ENGL 102  
Students will write nonfiction prose with an emphasis on developing characters, settings, scenes, and point of view. Projects may include travel essays, reviews, biography, and other human interest pieces. The course also introduces students to the foundations of the writer's workshop.

ENGL 286-287 Sophomore Honors Colloquium  
(1 credit each semester)  
Prerequisite: ENGL 102 and consent of the instructor  
Sophomore Honors Colloquia in English allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. Open to Commonwealth Honors students and to others at the discretion of the instructor. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. ENGL 286, Fall semester; ENGL 287, Spring semester

ENGL 298 Second Year Seminar (Speaking Intensive) (3 credits)  
Prerequisite: ______199: Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ______299 is taken for credit.

Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ENGL 299 Second Year Seminar (Writing Intensive)  
(3 credits)  
Prerequisite: ______199: Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ______298 is taken for credit.  
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

ENGL 300 Teaching English as a Second Language (3 credits)  
Theoretical, historical and practical considerations of the teaching of English as a second language. (Formerly LANG 330)

ENGL 301 Writing and the Teaching of Writing (3 credits)  
Prerequisite: ENGL 102  
Designed for prospective teachers, the course undertakes an investigation of current research in creativity and the writing process with application made to the student's own writing, school curriculum and good teaching practice.

ENGL 302 Technical Writing II (3 credits)  
Prerequisite: ENGL 102 and ENGL 201  
Writing in-depth reports requires sophisticated data gathering and analysis. Specific attention is paid to audience analysis and formatting.

ENGL 305 History of the English Language (3 credits)  
Prerequisite: ENGL 102  
This course traces the origins and development of English from the Anglo-Saxon period to the present as well as examining different varieties of English spoken around the globe.

ENGL 309 Early American Literature, Beginnings to 1820 (3 credits)  
Prerequisite: ENGL 102  
This course begins with the first colonization of the Americas and stretches beyond the Revolution to the early national period and the beginnings of Romanticism. The full range of early American writing is covered, including poetry, drama, fiction and autobiography, as well as English language texts of Native Americans. Authors such as Anne Bradstreet, Olaudah Equiano, Benjamin Franklin and Washington Irving will be explored.

ENGL 312 Modern British Fiction (3 credits)  
Prerequisite: ENGL 102  
This course focuses on earlier 20th century British novelists such as Conrad, Forster, Lawrence, Joyce and Woolf.

ENGL 315 Ethnic American Literature (3 credits)  
Prerequisite: ENGL 102  
This course will focus on American writers representing a diverse range of racial, ethnic, economic, cultural, political and historical perspectives. In addition to identifying and discussing literary terms and techniques, we will examine...

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
 Course Descriptions

ENGL 317 African-American Literature I (3 credits)
Prerequisite: ENGL 102
Students will survey writings in African-American literature from its inception through 1954, the year of the landmark Brown v. Board of Education ruling that outlawed segregation. Studying distinguished writers of poetry, drama, essays, narratives and prose fiction, students will attend to the historical, cultural and political contexts in which the works were produced.

ENGL 318 African-American Literature II (3 credits)
Prerequisite: ENGL 102
Many of the freedoms and rights that African-Americans enjoy today began with the historic 1954 Brown v. Board of Education ruling that outlawed segregation. Starting with this pivotal time in American history and continuing to the present, students will survey African-American poetry, drama, essays, narratives and prose fiction with close attention paid to their historical, political and cultural contexts.

ENGL 320 Chaucer (3 credits)
Prerequisite: ENGL 102
This course provides an introduction to Chaucer's poetry and Middle English through readings in The Canterbury Tales.

ENGL 321 The Age of Pope 1660-1740 (3 credits)
Prerequisite: ENGL 102
The course surveys the literature of the early 18th century with emphasis on the works of Pope, Swift, Gay, Addison and Steele.

ENGL 322 The Age of Johnson: 1740-1800 (3 credits)
Prerequisite: ENGL 102
The course examines the writings of several major 18th century figures, such as Johnson, Boswell, Fielding, Richardson, Goldsmith and Burney.

ENGL 323 Introduction to Linguistics (3 credits)
Prerequisite: ENGL 102
The course focuses on the generative-transformational theory of syntactic structure as applied to the English language. It includes selected readings on various aspects of linguistics.

ENGL 324 Language in Context (3 credits)
Prerequisite: Completion of a foreign language course at the second semester level or consent of the Department
The course introduces language as a context-dependent phenomenon. Contexts and factors influencing linguistic choices, such as gender, style, setting topic and others are discussed. Attention is given to multilingual societies standard varieties and dialects, bilingualism, language policies and planning, language contact phenomena, pidgins and creoles. The course compares and contrasts non-western and western linguistic contexts and draws examples from a variety of languages. (CHUM; CMCL (Formerly LANG 324)

ENGL 327 Women Writers: The Female Tradition to 1900 (3 credits)
Prerequisite: ENGL 102
This course traces the history and development of a female literary tradition among English-speaking women writers. The dominant stages, images and themes and genres within this tradition will be explored through the work of writers such as Bradstreet, Killigrew, Wheatley, Wollstonecraft, Dickinson, Eliot, Browning, Rossetti, Gilman and Chopin.

ENGL 328 Women Writers: The Female Tradition since 1900 (3 credits)
Prerequisite: ENGL 102
English-speaking women writers in the female literary tradition developed a number of dominant themes in a range of literary genres. The accomplishment of 20th century women authors will be shown through such writers as Lowell, Woolf, Wharton, Porter, Hellman, Brooks, Lessing, Plath, Oates, Atwood and Morrison.

ENGL 329 Modern American Fiction (3 credits)
Prerequisite: ENGL 102
This course examines modern American fiction, focusing on such writers as Fitzgerald, Hemingway, Faulkner, Cather, Anderson and Lewis.

ENGL 330 Recent American Fiction (3 credits)
Prerequisite: ENGL 102
This course includes short fiction and the novel since 1945, and focuses on writers such as Bellow, Didion, Mailer, McCarthy, Oates, Roth, Tyler, Updike and Walker.

ENGL 331 U.S. Literature in the Nineteenth Century I (3 credits)
Prerequisite: ENGL 102
This course analyzes selected readings in such writers as Cooper, Hawthorne, Poe, Emerson, Thoreau, Whitman and Dickinson.

ENGL 332 U.S. Literature in the Nineteenth Century II (3 credits)
Prerequisite: ENGL 102
This course focuses on the novels and tales of Melville, Twain, Hawthorne and James.

ENGL 333 Realism and Naturalism (3 credits)
Prerequisite: ENGL 102
At the turn of the century, American literature reflects the decline of rural life and the rise of the city. The growth of industry and mechanization led to questions about human nature and democratic values. The consequent human experiences of displacement, alienation and injustice can be seen in the literature from Howells to Wright.

ENGL 338 Honors Tutorial (3 credits each semester)
Prerequisite: ENGL 102 and consent of the department
This tutorial involves special topics in English. It is open to Commonwealth and Departmental Honors students and meets for three hourly meetings weekly.

ENGL 340 Literature of the English Renaissance (3 credits)
Prerequisite: ENGL 102
This course examines the non-dramatic literature of the Age of Shakespeare including the works of Sidney,

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Note: See Catalog Web Addenda at www.bridgew.edu/catalogladdenda/ as that information supersedes the published version of this catalog.
Spenser, Nashe, Marlowe, and Drayton. Textual analysis is emphasized, but the historical, social, and cultural background of this period is also considered.

**ENGL 341 Literature of the Continental Renaissance (3 credits)**
Prerequisite: ENGL 102
This course surveys representative works of Petrarch, Boccaccio, Machiavelli, Erasmus, Castiglione, Rabelais, Cellini, Montaigne, Cervantes, and Ronsard representing prevailing literary themes and techniques.

**ENGL 342 Shakespeare: Histories and Comedies (3 credits)**
Prerequisite: ENGL 102
This course provides examples of Shakespeare's art in dominant Renaissance dramatic forms and with some of his recurring thematic concerns. In addition, study of the histories and comedies demonstrates Shakespeare's growth in the dramatic use of language. Plays for study will include The Comedy of Errors, Two Gentlemen of Verona, Much Ado About Nothing, As You Like It, Twelfth Night, Richard III, Richard II, Henry IV, Parts I and II, and Henry V.

**ENGL 343 Shakespeare: Tragedies and Late Plays (3 credits)**
Prerequisite: ENGL 102
This course offers studies in the various dimensions of the tragic vision of man. In addition, study of the late plays provides the student with examples of dramatic works that proceed beyond the tragic dimension. Selected plays will include Hamlet, King Lear, Othello, Macbeth, Antony and Cleopatra, Measure for Measure, The Winter's Tale and The Tempest.

**ENGL 346 Southern Literature (3 credits)**
Prerequisite: ENGL 102
This course focuses on the personal, cultural, and social dimensions of southern literature in works by William Faulkner, Tennessee Williams, Zora Neale Hurston, Flannery O'Connor, Eudora Welty, Alice Walker, and William Styron.

**ENGL 350 Recent British Fiction (3 credits)**
Prerequisite: ENGL 102
This course focuses on British fiction since 1945. Writers to be studied may include Golding, Graves, Lessing, Murdoch, Greene, Ballard and Powell.

**ENGL 353 Modern European Drama (3 credits)**
Prerequisite: ENGL 102
Students will study the major forces in Modern European drama starting with Ibsen.

**ENGL 354 Twentieth-Century British Drama (3 credits)**
Prerequisite: ENGL 102
The course surveys British drama from Oscar Wilde to the present. Attention may be given to the crucial role that continental dramatists such as Ibsen, Chekhov, and Brecht played in re-energizing the British theater. There will be emphasis on plays from the modern period as well as contemporary works. Playwrights studied may include Oscar Wilde, George Bernard Shaw, John Osborne, Samuel Beckett, Harold Pinter, Tom Stoppard, and Caryl Churchill.

**ENGL 356 Modern American Drama (3 credits)**
Prerequisite: ENGL 102
From social dramas and morality plays to the theater of the absurd, modern drama develops a range of themes and techniques reflective of the age. Focus will be on such playwrights as Oedets, Wilder, Saroyan, O'Nell, Hellman, Williams, Hansberry, Miller, Baldwin, and Albee.

**ENGL 357 Recent American Drama (3 credits)**
Prerequisite: ENGL 102
The experimentation in contemporary American plays will be explored in such writers as Mamet, Howe, Rabe, Wasserstein, Norman, Shepard, Guare, Henley, Wilson, Hwang, and McNally.

**ENGL 360 The English Novel I (3 credits)**
Prerequisite: ENGL 102
The course traces the development of the English novel from Defoe to Austin and includes writers such as Richardson, Fielding, Smollett, Sterne, and Scot.

**ENGL 361 The English Novel II (3 credits)**
Prerequisite: ENGL 102
The course traces the development of the English novel from Austen to Hardy and includes such writers as Dickens, the Brontés, Thackeray, Eliot, Trollope, and Conrad.

**ENGL 365 Victorian Prose and Poetry (3 credits)**
Prerequisite: ENGL 102
The major emphasis is placed on the poetry of Tennyson, Browning and Arnold, but the works of other 19th century poets such as Hopkins and Hardy will also be read and discussed. The essays of Carlyle, Ruskin, Arnold, Newman, Huxley and others are studied in conjunction with the poetry.

**ENGL 367 English Literature of the Late Victorian and Edwardian Periods (3 credits)**
Prerequisite: ENGL 102
The major writers of the late 19th and early 20th centuries are examined from aesthetic, social and intellectual vantage points, with readings in such prose writers as Gissing, James, Wilde, Beerbohm, Carroll, Wells, Hardy, Corvo, Forster and Conrad, and such poets as Rossetti, Swinburne, Morris, Hopkins and Yeats.

**ENGL 370 Seventeenth Century Literature (3 credits)**
Prerequisite: ENGL 102
The course is an introduction to the prose and poetry of the 17th century in England, exclusive of Milton. Writers of Donne, Jonson, Bacon, Burton, Browne and Dryden will be examined, and various persistent elements, such as the classical influence, will be explored.

**ENGL 371 Advanced Creative Nonfiction Writing Workshop (3 credits)**
Prerequisite: ENGL 227 or consent of instructor
This course will provide students with the opportunity for the intense study of the art and craft of creative nonfiction writing. Students will submit creative nonfiction for peer critique in addition to reading and discussing published works.

**ENGL 372 Advanced Fiction Writing Workshop (3 credits)**
Prerequisite: ENGL 228 or consent of instructor
This course offers an intense study of the art and craft of fiction writing. Students will submit fiction for peer
critique and develop a body of revised work that Writing Concentration students may include in their portfolios. This course may be repeated once for credit.

ENGL 377 Post-Colonial Literature and Theory (3 credits)
Prerequisite: ENGL 102
This course traces the development of post-colonial literature and theory. Questions that will be addressed include: What constitutes post-coloniality? How do post-colonial literature and theories illuminate relationships between imperialism, power, race, gender, and class? Readings for the course may contain pieces from multiple genres. Representative authors include Joseph Conrad, Salman Rushdie, Margaret Duras, and Derek Walcott.

ENGL 380 Milton (3 credits)
Prerequisite: ENGL 102
The course includes the main works of Milton: Paradise Lost, Paradise Regained, and Samson Agonistes, the minor poetic works, and selected prose.

ENGL 381 Irish Literature I (3 credits)
Prerequisite: ENGL 102
The course is a survey of earlier Irish literature in translation from the Gaelic and in English. It includes selections from the epic poem, Tain Bo Cuailnge; Gaelic lyric poetry (600-1800 A.D.); the pioneering fiction of Maria Edgeworth and William Carleton; and the poetry of the 19th century balladeers, Thomas Moore, Thomas Davis, James Clarence Mangan, and Sir Samuel Ferguson. The accomplishments of the Irish literary revival of 1890-1920; fiction by Daniel Corkery, George Moore, Seamus O'Kelly, and James Joyce; poetry and plays by William Butler Yeats; and plays by John M. Synge.

ENGL 382 Irish Literature II (3 credits)
Prerequisite: ENGL 102
This course is a survey of later modern and contemporary Irish literature including the later fiction of James Joyce and the later poetry of William Butler Yeats; the plays of Sean O'Casey, Brendan Behan, Samuel Beckett and Brian Friel; the poetry of Austin Clarke, Patrick Kavanagh, Thomas Kinsella, John Montague, Richard Murphy and Seamus Heaney; the fiction of Liam O'Flaherty, Sean O'Faolain, Frank O'Connor, Flann O'Brien, Mary Lavin, William Trevor, Edna O'Brien and others.

ENGL 386 English Romantic Poets (3 credits)
Prerequisite: ENGL 102
This course examines selected poetry and prose of Wordsworth, Coleridge, Shelley and Keats with the principal objective of understanding the character and modes of expression of each poet's imaginative vision. Consideration is given to historical background and to developments in philosophy and aesthetic theory, which have a direct bearing on Romantic poetry.

ENGL 389 Topics in Writing (3 credits)
Prerequisite: ENGL 102
The course explores writing on different subjects from semester to semester according to interest and demand. Typical topics may include writing the research paper, the narrative essay, the personal journal, writing literary criticism, etc. This course may be repeated for different topics.

ENGL 390 Theories in Writing (3 credits)
Prerequisite: ENGL 102
This course examines fundamental, rhetorical, linguistic, social and discourse theories as they pertain to the writing process. Frequent writing will be assigned.

ENGL 391 Modern Literary Criticism (3 credits)
Prerequisite: ENGL 102
This course examines the major critics and critical movements of the 20th century, particularly in the United States and England, and with some attention to continental critical thought. Critics and theorists such as T.S. Eliot, I.A. Richards, John Crowe Ransom, Edmund Wilson, Lionel Trilling, Northrop Frye, Raymond Williams and Roland Barthes are studied. The principles and methods of several kinds of criticism—formalist, Marxist, psychoanalytical, structuralist and post-structuralist—are examined.

ENGL 392 Advanced Poetry Writing Workshop (3 credits)
Prerequisite: ENGL 229 or consent of instructor
This course offers an intensive workshop approach to poetry writing for students who wish to submit poems for peer review and develop a poetry portfolio. This course may be repeated once for credit.

ENGL 393 Modern British Poetry (3 credits)
Prerequisite: ENGL 102
The major British poets of the 20th century are studied with particular emphasis on the works of Hopkins, Hardy, Yeats, Eliot, Auden and Thomas.

ENGL 394 Modern American Poetry (3 credits)
Prerequisite: ENGL 102
The major American poets of the 20th century are studied with particular emphasis on the works of Robinson, Frost, Crane, Auden, Williams and Stevens.

ENGL 395 Studies in Recent American Poetry (3 credits)
Prerequisite: ENGL 102
American poets practicing from 1945 to the present are surveyed. Among these poets may be Robert Lowell, John Berryman, Theodore Roethke, Richard Wilbur, Adrienne Rich, Anne Sexton, Sylvia Plath, James Wright, Richard Hugo, Randall Jarrell, Gwendolyn Brooks, Robert Hayden and Gary Snyder. Others may be included from time to time.

ENGL 396 Rhetoric and Style (3 credits)
Prerequisite: ENGL 102
This course teaches advanced techniques of writing and provides the student writer with a stronger familiarity with rhetorical theories and schemes of contemporary and historical styles. Students are introduced to rhetorical analysis of their written work, using such tools as Toulmin argument, Burke's pentad, or Aristotle's three proofs.

ENGL 399 Topics in Literature (3 credits)
Prerequisite: ENGL 102
This course explores literature on different topics from semester to semester according to interest and demand. Possible topics may include The Bible as Literature, Irish American Literature, Transcendentalism, or The Literature of Aging. This course is repeatable with different topics.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
ENGL 485 Honors Thesis (3 credits)
Prerequisite: ENGL 102
This course is open to Commonwealth and Departmental Honors students. One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the departmental honors committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project.

ENGL 489 Advanced Portfolio Workshop (3 credits)
Prerequisite: ENGL 101 and ENGL 102 and one 300 level writing course
This course serves as the culmination of the work students do in the Writing Concentration. Students will demonstrate, through the creation of a portfolio of work, their mastery of the rhetorical characteristics of the genres of writing relevant to their professional goals. Finally, students will develop a theory of these genres that identifies the rhetorical aims of the particular genre that they will be working and writing in. This course is required of all students in the Writing concentration. Offered every spring semester

ENGL 490 Literary Studies in Oxford (3 credits)
Prerequisite: ENGL 102. Students will normally be expected to be in their junior or senior year.
Close readings of several major works emphasizing the dynamic relationship between literary texts and the cultural and intellectual environments in which they were created. Authors and periods studied will vary. (This is a special program in England at Oxford University during July. Additional fees are required.)

ENGL 494 Seminar: Special Topics (3 credits)
Prerequisite: ENGL 102
The seminar gives advanced English majors the opportunity for an in-depth study of selected topics in language and literature. Students are expected to demonstrate a proficiency in interpretation and analysis as well as a familiarity with critical theory and major scholarship relating to the seminar topic through close reading, class discussion, oral presentations, and at least one carefully documented scholarly paper. (CWRM)

ENGL 495 Seminar: British Literature and Culture (3 credits)
Prerequisite: ENGL 102
The seminar gives advanced English majors the opportunity for an in-depth study of selected authors and topics in British and Commonwealth literature and culture. Students are expected to demonstrate a proficiency in interpretation and literary analysis as well as a familiarity with critical theory and major scholarship relating to the seminar topic through close reading, class discussion, oral presentations, and at least one carefully documented scholarly paper. (CWRM)

ENGL 496 Seminar: American Literature and Culture (3 credits)
Prerequisite: ENGL 102
The seminar gives advanced English majors the opportunity for an in-depth study of selected authors and topics in American literature and culture. Students are expected to demonstrate a proficiency in interpretation and literary analysis as well as a familiarity with critical theory and major scholarship relating to the seminar topic through close reading, class discussion, oral presentations, and at least one carefully documented scholarly paper. (CWRM)

ENGL 497 Seminar: World Literatures and Cultures (3 credits)
Prerequisite: ENGL 102
The seminar gives advanced English majors the opportunity for an in-depth study of selected authors and topics in world literatures and cultures. Students are expected to demonstrate a proficiency in interpretation and literary analysis as well as a familiarity with critical theory and major scholarship relating to the seminar topic through close reading, class discussion, oral presentations, and at least one carefully documented scholarly paper. (CWRM)

ENGL 498 Internship in English (3-15 credits)
Prerequisite: ENGL 102 and consent of the department; formal application required
The internship provides off-campus work-study experience in areas related to the expanding discipline of English, such as editing, journalism, media, public relations, and technical writing. Internship credits are not applicable to the 36 credits required for the major.

ENGL 499 Directed Study in English (1-3 credits)
Prerequisite: ENGL 102 and consent of the department; formal application required
Directed study is open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be repeated twice for a maximum of six credits.

ENGL 500 Introduction to Graduate Study in English (3 credits)
This course will examine the backgrounds and techniques of literary scholarship. Some acquaintance with critical approaches to literature, as well as comprehensive experience in the major genres and periods of English and American literature, will be assumed. Required of MA and MAT candidates in English.

ENGL 502 Research or Creative Writing Project (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research or creative writing project undertaken by the graduate student in their field. For details, consult the paragraph entitled “Independent or Directed Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated for different topics.

ENGL 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Directed study is designed for the graduate student who desires to study selected topics in a specific field. For details consult the paragraph entitled “Independent or Directed Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

ENGL 511 Special Topics in Writing (3 credits)
Addresses special topics of current relevance in research and instruction in writing. This course may be taken more than once, as different topics are offered.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
ENGL 513 Theories of Writing (3 credits)
This course focuses on current theories of composition from theoretical, historical, and professional perspectives. Students will examine how such theories of writing present a kind of professional history of the field of composition and rhetoric and explore the ways they inform educational policy. Students will read, write, and present on these and various related topics.

ENGL 515 Studies in Medieval Drama (3 credits)
This course will investigate representative mystery, miracle and morality plays written in England and Europe during the medieval period.

ENGL 520 Studies in Shakespeare and the Renaissance (3 credits)
Students will analyze selected plays by Shakespeare with special emphasis in each play on the received tradition and on the relationship among the significant aspects of the language, the characters, and the structures. In addition, attention will be given to the use of source material and to the philosophical, social and scientific currents of the age. Finally, students will be examining traditional and contemporary critical views of the plays.

ENGL 527 Studies in Seventeenth Century English Literature (3 credits)
Students will examine selected works in prose and poetry from Donne to Dryden for the purpose of understanding the poetic themes and styles as well as the social, philosophical and scientific currents of the period. Among the writers to be considered are Donne, Jonson, Herrick, Herbert, Crashaw, Lovelace, Suckling, Marvell, Dryden and Bacon, Brunt, Browne, Hobbes, Locke and the character writers. Attention will be given to the women of the age, such as Jane Cavendish, Bradstreet, Margaret Cavendish, Philips, Behn, Killigrew, Barker and Pix. Special attention will be given to tracing the shifting emphasis in style and technique concomitant to emerging social, political, religious and philosophical concerns.

ENGL 531 Studies in Eighteenth Century British Literature (3 credits)
This course is an intensive exploration of the poetry, prose fiction, drama and intellectual prose by major and minor authors from Dryden, Pope, Swift, Defoe and Fielding to Johnson, Boswell, Burke, Austen and Blake.

ENGL 535 Studies in British Romanticism (3 credits)
This course is an in-depth study of the poetry and prose of the Romantic Period, including writers such as Wordsworth, Coleridge, Byron, Blake, Shelley, Keats, Charlotte Smith, Mary Shelley and Dorothy Wordsworth.

ENGL 551 American Transcendentalism (3 credits)
Development and influence of American Transcendentalism in the literature of Emerson, Thoreau and Alcott will be investigated.

ENGL 565 Modern Critical Theory (3 credits)
This course will focus on the major American and European schools of criticism that have inluenced literary studies in the past forty years. Attention will be given to formalist, structuralist, phenomenological, post-structural, reader-response, Marxist, psycho-analytical, hermeneutic, feminist and new historical schools of criticism.

ENGL 580 Graduate Seminar in English Literature (3 credits)
A particular author, group of authors, or theme in English literature will be studied in depth. Topics will change from year to year. This course may be repeated for different topics.

ENGL 590 Graduate Seminar in World Literature (3 credits)
A particular author, group of authors, or theme in world literature will be studied in depth. Topics will change from year to year.

ENGL 592 Fiction Writing Workshop (3 credits)
This course offers graduate students an intense study of the art and craft of creative fiction writing. Students submit fiction for peer critique and read works of published writers. This course may be repeated for credit.

ENGL 593 Poetry Writing Workshop (3 credits)
This course offers graduate students an intense study of the art and craft of poetry writing. Students submit creative poetry for peer critique and read works of published writers. This course may be repeated for credit.

ENGL 595 Creative Nonfiction Writing Workshop (3 credits)
This course offers graduate students an intense study of the art and craft of creative nonfiction writing. Students submit creative nonfiction for peer critique and read works of published writers. This course may be repeated for credit.

ENGL 599 Internship (3-6 credits)
Prerequisite: Consent of department chairperson
The internship provides practical professional experience in areas related to the discipline of English, such as editing and journalism. Some internship credit may be applicable to the creative writing concentration requirements and repeatable for credit.

Other Approved Courses:
ENGL 212 Literary Classics of Western Civilization since 1600
ENGL 314 Medieval English Literature
ENGL 335 Elizabethan and Jacobean Drama
ENGL 339 Honors Tutorial
ENGL 397 Film Study: The Director's Art
ENGL 398 Film Study: Genres
ENGL 510 Theory and Discipline of English for Teachers
ENGL 541 Studies in the Novel
ENGL 542 Studies in Victorian Literature
ENGL 552 Contemporary American Fiction
ENGL 562 Studies in Modern Drama
ENGL 570 Graduate Seminar in American Literature

ENGLISH AS A SECOND LANGUAGE (ENSL)

ENSL 101 English as a Second Language I (3 credits)
Note: See Departmental Foreign Language Policy in the Foreign Languages section of this catalog
An introduction to syntactic, semantic, phonetic and para-

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
linguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled academic environment is the principal objective of the course.

(Formerly LAEN 101) (CHUM; CGCL)

ENSL 102 English as a Second Language II (3 credits)
Prerequisite: ENSL 101; or see Departmental Foreign Language Policy in the Foreign Languages section of this catalog
The further study of syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled academic environment is the principal objective of the course. (Formerly LAEN 102) (CHUM; CGCL)

ENSL 151 Intermediate English as a Second Language
(3 credits)
Prerequisite: ENSL 101 and ENSL 102 or ESL IV (high school) or consent of the instructor
The course is designed to accommodate the linguistic needs of ESL students who have successfully completed ENSL 102 or ESL IV in high school and would like to continue with their systematic learning of English. The course emphasizes English Language skills necessary for academic reading, writing, listening and speaking. Students are introduced to aspects of American culture, participate in systematic laboratory practice and utilize a variety of print and electronic resources. Fall semester (Formerly LAEN 151) (CHUM; CGCL)

ENSL 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

ENSL 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

ENSL 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

FRESHMAN SKILLS (FRSK)

FRSK 100 Introductory College Skills: Intrusive Advising (1 credit)
A specialized learning/advising program for freshmen offered by the Academic Achievement Center conducted in a small group setting. In this process, students are encouraged to explore their learning styles, possible career interests and academic goals in terms of the total college environment in a shared and supportive setting. The credit earned may not be used to satisfy any Core Curriculum Requirement, nor may it be applied toward the minimum number of credits required for graduation in any major. Graded on a (P) Pass/No Pass basis. Either semester

FRSK 101 Introductory College Skills: Writing (3 credits)
This course will consist of an intensive review of basic communication skills, chiefly those of reading and writing. It does not satisfy any Core Curriculum Requirement, nor may the credits be applied toward the minimum credits required for graduation by any major. Graded on a (P) Pass/No Pass basis. Either semester

FRSK 102 Introductory College Skills: Mathematics (3 credits)
This course is individualized, self-paced and competency-based and covers the fundamental principles of arithmetic, algebra, and geometry including signed numbers, whole numbers, fractions, decimals, percents, exponents, equations, inequalities, rational expressions, geometry and problem solving. This course does not satisfy any Core Curriculum Requirement, nor may the credits be applied toward the minimum credits required for graduation by
Course Descriptions

any major. Graded on a (P) Pass/(N) No Pass basis. Either semester

GEOGRAPHY (GEOG)

GEOG 121 Physical Geography (3 credits)
This course is an introduction to physical geography phenomena (landforms, climate, oceans, soils) in which human-land relationships are central. The focus is on understanding the processes at work in the environment and on their interrelationships. Two hours of lecture and one two-hour laboratory period weekly. Either semester. (Formerly GEOG 100)

GEOG 122 The Physical World (3 credits)
This course studies the formation and distribution of landforms, climate, oceans, soils and vegetation. Emphasis is placed on the interrelationships among these components of the environment and their significance to life on earth. Either semester. Cannot be taken if GEOG 121 is taken for credit. (Formerly GEOG 120) (CNSN)

GEOG 130 Environmental Geography (3 credits)
The spatial aspects of the interaction between humans and their physical environment are examined through the analysis of selected problems from resource capacity to pollution. The perceptions of environmental hazards of human settlements are examined to illuminate environmental decision-making. Either semester (Formerly GEOG 196) (CNSN)

GEOG 151 Human Geography (3 credits)
An inquiry into the theoretical and empirical approaches to the study of human spatial analysis is presented. The major topics covered include population, race, language, religion, politics, urbanization and economics. Each semester (Formerly GEOG 110) (CGCL; CMCL; CSOC)

GEOG 171 Geography of the Global South (3 credits)
This course in human geography introduces the geographical study of the current cultural and social systems in the non-western world (in Africa, Asia and Latin America). Emphasis is placed on the diversity of cultural frameworks and their strategies for dealing with problems. Fall semester (Formerly GEOG 160) (CGCL; CMCL; CSOC)

GEOG 172 Regional Geography of the Global North (3 credits)
The study of regional geography of the developed world (including Anglo-America, Europe and the Soviet Union, Australia and Japan) investigates how humans have used the resources available to them to obtain a high standard of living in different physical and cultural milieux. This high standard of living is reflected in land use patterns that are similar in their broad outlines but different in detail. Spring semester (Formerly GEOG 170)

GEOG 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

GEOG 213 Geographic Information Systems (GIS I) (3 credits)
Maps are valuable tools for displaying, interpreting and analyzing patterns of human-environment interactions. This course introduces the basic concepts and procedures necessary to design, construct, interpret, update, and present straightforward and effective maps using computer techniques. Students will practice skills of georeferencing and digitizing raster-based images at various scales to produce vector-based map layers for integration into geographic information systems (GIS). This course provides the necessary background for more advanced courses in GIS.
Fall semester

GEOG 221 Meteorology (3 credits)
Prerequisite: GEOG 121 or GEOG 122 or EASC 100 or Aviation major
Study of the basic atmospheric processes that result in weather and regional weather systems. Basic instrumentation and practice in observing, data presentation and interpretation of weather maps. Two hours of lecture and one two-hour laboratory period weekly. Fall semester (Formerly GEOG 203)

GEOG 222 Climatology (3 credits)
Prerequisite: GEOG 121 or GEOG 122 or consent of the instructor
Study of the elements and controls of climate emphasizing their effect on man and the environment, and man's response to and modification of climate. The world distribution of climatic regions, instrumentation and practice in observing, data presentation and analysis. Spring semester (Formerly GEOG 204)

GEOG 290 Introduction to Geographic Analysis (3 credits)
Prerequisite: For majors or minors in geography only; GEOG 121 and GEOG 151
This course provides a survey of spatial techniques that geographers use to define, research, and analyze geographic issues and phenomena. Students will learn to identify real-life geographic problems at a range of spatial scales, from the local to the global. Instructional methods will emphasize hands-on exposure through local field problems and field trips, access to library resources and journals, instrumentation, basic surveying, and professional presentation skills. Spring semester

GEOG 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: GEOG 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will
Course Descriptions

have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

GEOG 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

GEOG 315 Quantitative Geography (3 credits)
Prerequisite: GEOG 290 or consent of the instructor

Geographers use statistical techniques to measure, describe, classify, analyze, and display information (data) in search of spatial patterns and trends. Geographers make comparisons and examine relationships to answer questions, solve problems and make wise decisions that support a particular objective. This course introduces and applies statistical techniques and computer and model-building methodology to analyze various spatial phenomena. (Formerly GEOG 474)

GEOG 317 Air Photo Interpretation — Remote Sensing (3 credits)
Prerequisite: GEOG 100 or GEOG 122 or EASC 100

Theory and practice in extracting information about the earth’s physical and cultural features from aerial photographs. Acquaints students with the detection, identification, and analysis of the earth’s features through remote sensing. The application of computerized digital image processing to satellite environmental data. Two hours of lecture and one two-hour laboratory weekly. Fall semester

GEOG 321 Meteorology II (3 credits)
Prerequisite: GEOG 221 or consent of instructor

Students will learn how to use meteorological measure-

ments from local and global networks of weather stations to produce and analyze weather maps/charts using computer software. Laboratory exercises use meteorological software to visualize and interpret atmospheric patterns based on data from advanced computer models, satellite remote sensing, and networks of weather stations. In addition, students will augment computer modeling with laboratory techniques for simplifying, visualizing and analyzing complex atmospheric processes, such as the global circulation, turbulence and icing. The course includes field trips to professional meteorological agencies and observatories. Alternate spring semesters

GEOG 322 Biogeography (4 credits)
Prerequisite: GEOG 121 or BIOL 121

This field and lab-based course presents the scope of biogeography as currently practiced in North America. In addition to the academic underpinnings of evolution, distribution, ecology, and conservation, we explore the key topics of biomes, biodiversity, and animal and plant migration. Oragnisms vary greatly over space and over time, and thus are a prime topic of study for the geographer. Alternate fall semesters

GEOG 323 Water Resources (3 credits)
Prerequisite: GEOG 290 or consent of instructor

This course investigates the complex physical systems involved in the movement of water and how water interfaces with the human landscape. Students will outline and define the economic and legal relationships involved in the supply and demand of this required resource, and analyze problems associated with the management and planning of the distribution of this vital resource. Alternate spring semesters

GEOG 324 Earth Surface Processes (4 credits)
Prerequisite: GEOG 290

Process is the action produced when a force induces a change. The experiences in this course will introduce the student to the physical processes that create landforms on the earth’s surface: mountains, river valleys, caves, dunes, coastlines, glaciers. Field work and laboratory techniques used in modern physical geography will help us analyze problems associated with current challenges in the earth’s changing surface. Alternate fall semesters

GEOG 331 Geography of Environmental Problems (3 credits)
Prerequisite: EASC 100, GEOG 121 or GEOG 122

Environmental problems are considered in this course from the geographer’s point of view — problems such as population density and distribution; balanced land use and its philosophic, aesthetic, and scientific basis; the circulation of goods and people; and a comparison of levels of development. Spring semester (Formerly GEOG 361)

GEOG 332 Management and Preservation of the Natural Environment (3 credits)
Prerequisite: Junior standing and consent of the instructor

This course is devoted to a detailed examination of the occurrence, exploitation and conservation of natural resources, including minerals, soils, water, forest, grassland, fisheries, wildlife, recreation areas and scenery. Emphasis is placed on conservation in the United States. Fall semester (Formerly GEOG 307)

†May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

GEOG 333 Geography of Environmental Justice (3 credits)
Prerequisite: Any GEOG course or consent of the instructor
This course describes problems of environmental justice as they affect disadvantaged populations. The course reviews the history of this social movement in the U.S. It then examines studies that link the environmental and civil rights movements in recent years and that describe the major problems of identifying environmental injustice both in categorical terms and as a spatial issue. Special attention is given to spatial measurement issues. Alternate years, fall semester

GEOG 340 Geography Materials and Methods (3 credits)
Prerequisite: Any GEOG course
This course is focused on the maps, globes, and other geographic learning material that are used in developing and extending geographic knowledge and insight. Current techniques and alternative frameworks in the field of geographic education are emphasized. The course details an examination of the strategies, texts, materials and media that can be used to enhance the teaching and learning of geography within our schools. It closely integrates geographic content and teaching methods so that a truly geographic view of the world can be developed in the classroom. Offered alternate years, Spring semester. (Formerly GEOG 320)

GEOG 350 Economic Geography (3 credits)
Prerequisite: Any GEOG or ECON course or consent of the instructor
The geographical analysis of the distribution of economic activities such as production, exchange and consumption is presented in this course. Here we examine the principles underlying spatial variations in land use and economic development at the local, national and international levels. Fall semester (Formerly GEOG 362)

GEOG 353 Urban Geography (3 credits)
Prerequisite: Any GEOG course or consent of the instructor
The geographic aspects of the city including location, function, land use patterns and interaction. Fieldwork focuses on current problems facing urban life. Fall semester

GEOG 354 Field Methods in Urban Geography (3 credits)
Prerequisite: GEOG 353
A geography analysis of local urban areas and their problems, and the application of concepts learned in GEOG 353. Hours will be arranged.

GEOG 355 Political Geography (3 credits)
Prerequisite: Any GEOG or POLI course
The course examines the variation of politically organized areas and their relationships to each other. The focus is on the interaction of geographical factors (distance, location and distribution) and political process. Emphasis is on both state and non-state agents in the political arrangement of space. Fall semester (Formerly GEOG 473)

GEOG 363 Locational Analysis (3 credits)
Prerequisite: GEOG 290 or consent of the instructor
The spatial approach is utilized to analyze retail, industrial, and public utility location. Topics covered include demographic analysis, retail structure, location factors, and economic development. Alternate years, fall semester

GEOG 365 Geography of Transportation (3 credits)
Prerequisite: Any GEOG course or consent of the instructor
This course will provide a spatial understanding of the role of transportation and interaction. It will provide an analysis of the importance of location relative to economic activities, development of distribution systems, flow analysis, effectiveness of distribution systems and the impact of transport systems on economic development. (Formerly GEOG 430)

GEOG 374 Geography of the Middle East (3 credits)
This course provides a survey of the regional geography of the Middle East including the physical setting, environmental issues, economic development, and the evolution of the Middle Eastern landscape and cultures. Special emphasis will be placed on current geopolitical issues in the region. Alternate fall semesters

GEOG 375 Geography of South Asia (3 credits)
This course provides a survey of the physical and human geography of South Asia, particularly India, Pakistan, Bangladesh, Nepal, Bhutan, Maldives, and Sri Lanka. The course emphasizes the region's major environmental, economic, and cultural geography patterns, processes, and issues. Problems related to religious, ethnic, and linguistic diversity are examined in the context of modernization and economic development. Interrelationships between South Asian nations will also be explored.

GEOG 376 Geography of East Asia (3 credits)
This course offers a study of the physical and human geography of East Asia, in context of the interrelationships between East Asian countries, their neighbors, and the world. This course will investigate major political, economic, social, and environmental geography patterns, processes, and issues of China, Taiwan, Japan, Korea, Vietnam and Malaysia.

GEOG 380 Geography of Russia/C.I.S. (3 credits)
Prerequisite: Any 100 level GEOG course
The geography of environment, resources and population is studied in relation to history and the present economic and social system of the Russia/C.I.S. Offered alternate years, fall semester

GEOG 381 Geography of Latin America (3 credits)
Prerequisite: GEOG 121 or GEOG 122 or GEOG 151
Physical and cultural patterns of selected countries of South America. Emphasis on current economic and political problems. (Formerly GEOG 358)

GEOG 383 Geography of the United States (3 credits)
Prerequisite: GEOG 151
The land and people of the United States interwine to form a vast, complex, ever-changing fabric. As one of the great economic powers in the world, the U.S. must meet the challenges of governing a huge country of pronounced regionalisms, while living next door to the economic and political questions marks of Mexico and Canada. Students will explore such diverse topics as ancient mountain systems, environmental and resource issues, urban and rural immigrant populations and their historic and current distributions, regional cuisines, and America's appeal to the traveler. Alternate spring semesters

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
GEOG 386 Geography of Canada (3 credits)
Prerequisite: GEOG 121 or GEOG 122 or consent of the instructor
The geography of environment, resources and population is examined in relation to history, economic, and regional land patterns of Canada. Offered alternate years, spring semester

GEOG 388 Geography of Africa (3 credits)
Prerequisite: Any 100 level GEOG course
The physical and cultural features of the African continent with special reference to the emerging political and regional patterns. Spring semester

GEOG 400 Special Topics in Geography (3 credits)
Prerequisite: Junior standing or consent of the instructor
This course entails vigorous analysis of various topics of special interest. The course will be offered on an occasional basis and may be taken for credit more than once with change of topic.

GEOG 413 Geographic Information Systems (GIS) II (3 credits)
Prerequisite: GEOG 213 or consent of the instructor
This course offers a solid background in the fundamentals of Geographic Information Systems (GIS) to explore the analytical capabilities of GIS and apply them to real-world situations. Application of GIS techniques to problems in a variety of fields, including land use planning, natural resource management, transportation, and urban and regional planning will be examined. Students develop their own projects and work at a more advanced level solving spatial problems with GIS. Students will have the practical experience of using GIS programming skills to solve real-world problems in a customized fashion. Spring semester

GEOG 422 Online Weather Studies (3 credits)
In this meteorology course, which is designed and serviced by the American Meteorological Society (AMS), students will access and work with current weather maps delivered via the Internet, and will coordinate these maps with learning activities keyed to the day's weather. This study of the atmosphere includes weather systems from local to global scales, severe weather, and current weather applications. The course meets three times per semester for evaluation. All other activities are executed solely on the Internet, with the faculty mentor guiding the student in understanding the basic principles of meteorology, and analyzing real-time weather data. Spring semester (Formerly GEOG 402)

GEOG 431 Environmental Regulations (3 credits)
Prerequisite: GEOG 130 or GEOG 331 or consent of the instructor
This course examines environmental regulation as a significant aspect of environmental geography, which is the study of spatial aspects of the interaction between humans and the natural world. In the United States, much of that interaction is mediated through environmental regulations, which in turn arise from a series of landmark environmental laws, including the Clean Air Act, the Clean Water Act, the Resources Conservation and Recovery Act, and Superfund. Students will learn about the origins of these acts, how they give rise to regulations, and how enforcement of regulations is articulated at the federal, state, and local levels. Innovations such as toxic reduction will be discussed in a regulatory context, as will the implications of regulatory programs for non-government organizations, consultants, and private industry. Alternate spring semesters

GEOG 441 Geographic Frameworks (3 credits)
Prerequisite: GEOG 290 or consent of the instructor
This course enables undergraduate students majoring in primary or secondary education to develop a detailed understanding of the discipline of geography. State, national, and international framework documents are examined, with particular attention to current Massachusetts frameworks. The course is organized around such fundamental geographic concepts as place, scale, regions, and human-environment interaction. It demonstrates how geographers use these concepts to develop a greater understanding of the world. Alternate fall semesters

GEOG 462 Principles of Urban Planning (3 credits)
Prerequisite: GEOG 213 and GEOG 290 or consent of the instructor
An introduction to the process of planning which deals with the interrelationships of resources, facilities, activities, and people over time and space. Offered alternate years, spring semester (Formerly GEOG 420)

GEOG 463 Applications in Urban Planning (3 credits)
Prerequisite: GEOG 462
This course is intended for students with a strong interest in urban and regional planning. The course examines past cases and future proposals for a variety of land use and zoning decisions. The focus is on applying good growth management practices that allow communities to sustain their economic health, foster diversity, and promote sense of place. Students will analyze current trends in population, employment and housing in order to construct an example master plan that relates these factors to land use and development choices that promote smart growth. Alternate years, spring semester

GEOG 490 Seminar in Geography (3 credits)
Prerequisite: Open to geography majors in their final year
The historical development of methods and techniques used in geographic research. Preparation of a research paper on a problem selected from one of the subdivisions of geography. For senior geography majors. Fall semester

GEOG 497 Undergraduate Research in Geography (3 credits)
Prerequisite: Junior or senior standing and acceptance by the supervising faculty member
Students who are accepted by a faculty member as a participant in an undergraduate field or laboratory research project enroll in this course. Projects entail research in the faculty member's subdivision and are publicized as they become available. Students are extensively involved in experimental planning, execution, analysis, and reporting, and present their results to the department.

GEOG 498 Internship in Geography or Planning (3-6 credits)
Prerequisite: Consent of the department; formal application required
Student internships in local planning department or

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

GRADUATE PROGRAM PLANNING (GRPP)

GRPP 501 Graduate Program Planning (1 credit)
The planning and development of a coherent program of
graduate study appropriate to the student's academic and
professional background and objectives. Graduate stu-
dents who have been accepted into a master's degree or
CAGS program should enroll under the direction of their
adviser(s) immediately after acceptance by the School of
Graduate Studies and prior to enrolling in any additional
courses. Graded on a (P) Pass/(N) No Pass basis.

GENERAL SCIENCE (GSCI)

GSCI 501 Problem Solving in Science for the Middle
School Teacher (3 credits)
This is the introductory course for the MAT in the General
Science Program. This course uses a content-rich prob-
lem-based integrated science approach. The course will
introduce the process and culture of teaching science. This
course will weave the Curriculum Frameworks and MCAS
expectations with instructional strategies. Students will be
introduced to resources for teaching science at the middle
school level.

GSCI 504 Topics in Life Sciences for the Middle
School Teacher (3 credits)
Prerequisite: GSCI 501
This course is part of the MAT in General Science Pro-
gram. It cannot be used as part of the MAT in Biology.
This course presents selected areas of middle school level
(grades 5-8) life science as determined by the require-
ments of the Massachusetts Curriculum Framework in
Science and Technology/Engineering. Possible topics in-
clude classification of organisms, structure and function of
cells, systems in living things, reproduction and heredity,
evolution and biodiversity, living things and their environ-
ment, energy and living things and changes in ecosystems
over time. Specific content will be developed to meet
the assessed needs of teachers and the school districts.
BIOF 508 modular courses may be combined to meet the
three-credit requirement of this course with approval of
the biology department adviser.

GSCI 505 Topics in Physical Sciences for the Middle
School Teacher (3 credits)
Prerequisite: GSCI 501
This course is part of the MAT in General Science Program.
This course presents selected areas of middle school level
(grades 5-8) physical science as determined by the require-
ments of the Massachusetts Curriculum Framework in Sci-
cence and Technology/Engineering. Possible topics include
properties of matter, atoms, force and motion, and energy
transformations.

GSCI 506 Topics in Earth/Space Sciences for the
Middle School Teacher (3 credits)
Prerequisite: GSCI 501
This course is part of the MAT in General Science Program.
This course presents selected areas of Middle School level

Other Approved Courses:
GEOG 314 Satellite Image Processing Applications
to the Environment
GEOG 382 Geography of Europe
GEOG 501 Planning and Urban Environment
GEOG 502 Research
GEOG 503 Directed Study
GEOG 520 Improving the Teaching of Earth
Sciences, Geography, and Energy I
GEOG 521 Improving the Teaching of Earth
Sciences, Geography, and Energy II
GEOG 550 Contemporary Issues in Geography
GEOG 555 Field Methods in Geographic Inquiry
GEOG 560 Seminar in Geographic Education
GEOG 565 Geotechnology
GEOG 570 Planning and Economic Development
GEOG 575 Environmental Issues: Problems and Solutions
GEOG 580 The Regional Method in Geographic
Analysis

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

grids 5-8) Earth and Space Science as determined by the requirements of the Massachusetts Curriculum Framework in Science and Technology/Engineering. Examples of possible topics include Earth’s structure, matter and energy in the earth system, plate tectonic theory, and the origin and evolution of the universe.

GSCI 507 Topics in Technology/Engineering for the Middle School Teacher (3 credits)
Prerequisite: GSCI 501
This course is part of the MAT in General Science Program. This course presents selected areas of Middle School level (grades 5-8) Technology/Engineering as determined by the requirements of the Massachusetts Curriculum Framework in Science and Technology/Engineering. Possible topics include the design process, impact of technology on nature, future technologies, tools and machines of technology, resources and technology in communication, transportation and power.

GSCI 508 Integrated Science for the Middle School Teacher (3 credits)
Prerequisite: GSCI 501, GSCI 504, GSCI 505, GSCI 506, GSCI 507
This is the capstone course for the MAT in General Science Program. This course uses a content-rich problem-based integrated science approach. The course will allow students to bring together their content mastery in science with the pedagogy developed in their education courses and improve ways to put them into practice.

HEALTH (HEAL)

HEAL 102 Health and Wellness (3 credits)
Attitudes and practices as they influence effective living: common adult health problems; community health standards and services; special problems of community health.

HEAL 135-136 Freshman Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Health allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. HEAL 135 Fall semester, HEAL 136 Spring semester

HEAL 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (SYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. SYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (SYS)

HEAL 200 Principles and Practices of Health Education (3 credits)
This introductory course is designed to provide students with an in-depth examination of the process and context of health education and health promotion. Students will receive information and resources that will enable them to begin developing the competencies and skills of entry-level health educators. Fall semester

HEAL 286-287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Sophomore Honors Colloquia in Health allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. HEAL 286 fall semester, HEAL 287 spring semester

HEAL 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: ____199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____199 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

HEAL 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: ____199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum.

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Course Descriptions

Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

HEAL 300 Current Issues in Health (3 credits)
Designed to acquaint the students with current health issues and trends related to the school and community. Spring semester

HEAL 302 American Red Cross Standard First Aid (1 credit)
The purpose of the American Red Cross Standard First Aid course is to train students to help people in emergencies. This course teaches the standard first aid skills a person needs to act as the first link in the emergency medical service system.

HEAL 401 Human Sexuality (3 credits)
This course deals with issues of sexual response, including dysfunction and reproduction. Also included are discussions of sexual styles and expressions as they impact upon the biosocial and political climate of the times. Topics of in-depth analysis may focus upon IVF issues, fertility control and sexually transmitted diseases.

HEAL 405 Drugs in Society (3 credits)
Study of the impact of the environmental and cultural values affecting the drug using population. Views on subculture and alternative life styles and the forces that shape them. Understanding of modern treatment facilities and rehabilitation procedures. Emphasis on alternatives to drug use.

HEAL 407 Stress Management (3 credits)
This course is designed to provide students with an overview of the phenomenon of stress, and its relationship to specific illness, diseases and dysfunctions. The course also provides students with opportunities to practice, apply and demonstrate stress intervention and management techniques.

HEAL 420 Women's Health Issues (3 credits)
This course is designed to provide students with an overview of contemporary women's health topics. Students will explore the various dimensions of women's health - examining the contributing social, cultural, epidemiological, psychological, political and economic influences.

HEAL 430 Epidemiology and Community Health (3 credits)
Prerequisite: Junior standing or consent of the instructor. Application of epidemiologic principles to the study of community based health issues including uses in program planning and evaluation. Basic epidemiologic data analysis and sources of community health statistics are also included.

HEAL 450 Health Promotion Strategies (3 credits)
Prerequisite: HEAL 200
Current strategies and techniques for transmitting information will be analyzed. Students will develop and evaluate strategies and techniques for promoting health information and wellness behaviors in a variety of settings. Spring semester

HEAL 451 Program Planning in Health Promotion (3 credits)
Prerequisite: HEAL 200
This class is designed to give students the tools and skills they need to design conduct, and evaluate health education programs in the various settings for health education. Assessing needs, formulating objectives, session/lesson planning, evaluation purposes, methods and designs will be covered. (CVRW)

HEAL 471 Nutrition (3 credits)
This course deals with the relationships between diet and disease prevention, cultural eating patterns, dysfunctional eating behaviors and issues related to nutrition through the life span, as well as concerns related to food safety and the impact of technology.

HEAL 477 Environmental and Consumer Health (3 credits)
This course will utilize an ecological systems approach to examine current environmental and consumer concerns that affect health. Students will explore the impact of the environment on human health as well as the impact that humans have on the health of the environment. Students will also be provided with the information and skills that will enable them to make healthy and environmentally sound decisions regarding consumer health products, practices and services.

HEAL 482 Health Education in the Elementary Schools (3 credits)
Prerequisite: Admission to the Professional Education Program
Study of the identification and appraisal of physical, emotional and social health problems of elementary school children. Focus on teachers' approaches toward health education and the creation of an emotionally, socially and intellectually healthy classroom environment.

HEAL 483 Nutrition and Cardiovascular Health (3 credits)
Prerequisite: One course in nutrition or a scientifically based course that includes topics of nutrition
This course will deal with the selection of nutritional foods throughout the life cycle with specific emphasis on how cardiovascular health may be maintained and/or improved by proper nutritional practices.

HEAL 484 Death and Dying Education (3 credits)
A study of the health issues (physical, emotional and social) related to terminal illness and death.

HEAL 485 Medical and Scientific Aspects of Human Sexuality (3 credits)
Prerequisite: HEAL 401 or consent of the instructor
The purpose of this course is to update the advanced sexuality student on medical research as it relates to human sexuality. Course content may consider such issues as fertility medications, sexual dysfunction, as well as research on variations in sexual styles. Alternate years

HEAL 490 Senior Seminar in Health Education (1 credit)
Prerequisite: HEAL 200 and HEAL 300 and HEAL 401 and HEAL 405 and HEAL 407 and HEAL 430 and HEAL 451 and HEAL 471 and HEAL 477
This course serves as a capstone course for health educa-

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HEAL 491 Field Based Pre-Practicum in Health (2 credits)
Prerequisite: Admission to the Professional Education Program
This course is designed to provide the student with an introduction to teaching health education in an off-campus setting.

HEAL 492 Practicum in Student Teaching—Health
(12 credits)
Prerequisite: Acceptance and good standing in teacher preparation program and satisfactorily completed department teacher preparation program courses and admission to the Professional Education Program
Full-time teaching for one semester with supervision provided by members of the department.

HEAL 495 Practicum in Student Teaching - Elementary Health (Health/Family and Consumer Science)
(6 credits)
Prerequisite: HEAL 491 and acceptance into student teaching
This course is designed to provide the student with faculty supervised student teaching experience in health education with grades K-6. This practicum is full-time for one quarter (8 weeks). Students will be evaluated using standards and guidelines set by AAHE, the Massachusetts Department of Education and the Massachusetts Comprehensive Health Curriculum Framework.

HEAL 496 Practicum in Student Teaching—Secondary Health (Health/Family and Consumer Science)
(6 credits)
Prerequisite: HEAL 491 and acceptance into student teaching
This course is designed to provide the student with faculty supervised student teaching experience in health education with grades 7-12. This practicum is full-time for one quarter (8 weeks). Students will be evaluated using standards and guidelines set by AAHE, the Massachusetts Department of Education and the Massachusetts Comprehensive Health Curriculum Framework.

HEAL 498 Field Experience in Health (3-15 credits)
Prerequisite: Consent of the department; formal application required
A field experience offers qualified students the opportunity to gain practical off-campus experience in health. Placements are made in both public and private agencies and are designed to complement a student's concentration or minor in health.

HEAL 499 Directed Study in Health (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

HEAL 501 Health Promotion Project (3 credits)
Individual health promotion project is planned, implemented and evaluated under the direct supervision of a faculty mentor.

HEAL 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

HEAL 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

HEAL 504 Seminar in Health Promotion Theory and Literature (3 credits)
This course is designed to orient the graduate student to the process of a formal literature review and the subsequent theory that ensues. The student will be required to complete a comprehensive literature review and deliver a formal seminar report.

HEAL 508 Health Crisis Intervention (3 credits)
Prerequisite: Six credits in health
Dealing with mental, emotional and social health problems of the individual, the family and society. Exploration of suicide education, death education and psychosomatic illness. Investigation and practice of techniques of aiding the potential suicide; the tripping drug user; the chronic alcoholic; the obese, neurotic, and promiscuous; geriatric problems; and health care availability. Course will consider agency roles in these areas. Offered alternate years.

HEAL 510 Advanced Nutrition Concepts (3 credits)
Prerequisite: HEAL 471 or a nutrition course
An advanced course in nutrition with emphasis on current nutritional concepts and a critical analysis of major nutritional issues.

HEAL 511 Research and Evaluation Methods in Health Promotion (3 credits)
This course will develop competencies needed to both produce and consume research in health promotion and allied areas. Via the development of a research proposal, students will gain an understanding of such research techniques as problem formulation, literature review, sampling, hypothesis construction, research design, instrumentation and data analysis. Fall semester

HEAL 516 Family Life and Sex Education (3 credits)
Prerequisite: At least one course in human sexuality and consent of the instructor
Curriculum development and implementation strategies for comprehensive school-community based sexuality education. The course deals with a variety of sexuality issues including STDs, fertility and contemporary social issues of sexism and aggression. Offered alternate years

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HEAL 518 Quantitative Methods in Health Promotion and Epidemiology (3 credits)
This is an introductory course in quantitative methods in epidemiology and health promotion. The course includes inferential and descriptive techniques as well as life table construction and epidemiological rates, ratios and proportions.

HEAL 519 Scientific and Philosophical Foundations of Health Promotion (3 credits)
The focus of this course is on surveying and providing the historical/philosophical foundations of health promotion and providing a scientific basis for the development of health promotion programs.

HEAL 520 Designing and Administering Health Promotion Programs (3 credits)
Analysis and skill development in administration of health promotion programs in a variety of settings with emphasis on administrative issues, staff development and consultation.

HEAL 525 Women's Health Issues (3 credits)
This course is designed to provide students with an overview of contemporary women's health topics. Students will explore the various dimensions of women's health, and examine the contributing social, cultural, epidemiological, psychological, political and economic influences.

HEAL 535 Comprehensive Elementary School Health Program (1.5 credits)
Aspects of the comprehensive school health program related to the role of the K-6 classroom teacher will be examined. Spring semester.

HEAL 577 Environmental and Consumer Health (3 credits)
This course will utilize an ecological systems approach to examine current environmental and consumer concerns that affect health. Students will explore the impact of the environment on human health as well as the impact that humans have on the health of the environment. Students will also be provided with the information and skills that will enable them to make healthful and environmentally sound decisions regarding consumer health products, practices, and services.

HEAL 581 Special Topics in Health Education (1-3 credits)
Special topics in health education are presented with special emphasis on application in the field. Topics are given in modules of 1-3 credits each. This course may be repeated for different topics.

HEAL 594 Educational Approaches to Changing Drug Use Behavior (3 credits)
Prerequisite: At least one course pertaining to drugs and consent of the instructor
The focus of this course is drug abuse problems in youthful populations. The importance of teachers developing their own self-awareness and using early intervention strategies is emphasized. Teachers at the elementary and secondary levels will experience a variety of methodologies intended to equip them with strategies for changing student behaviors in respect to present or intended drug use. All course participants will develop skills in assessing student needs, planning and implementing drug education programs and evaluating their effectiveness in changing attitudes, beliefs, values and behaviors related to drug use. Offered alternate years.

HEAL 595 Internship in Health Promotion (1-6 credits)
Prerequisite: 15 graduate credits must be completed or consent of the instructor.
An internship offers qualified students the opportunity to gain practical experience within their major area of interest. Placements are designed to complement a student's program focus.

Other Approved Courses:
HEAL/SCWK 403 Interdisciplinary Approaches to the Delivery of Health Services
HEAL 455 Promoting Health in the Workplace
HEAL 474 Community Health
HEAL 481 Selected Health Issues

HISTORY (HIST)

HIST 111 Western Civilization to the Reformation (3 credits)
The course surveys the major developments from the genesis of Western civilization to the establishment of absolute monarchy. These developments include the Near Eastern, the Graeco-Roman, and the Judeo-Christian traditions of our civilization. Either semester (CHUM; CGCL; CMCL)

HIST 112 Western Civilization since the Reformation (3 credits)
The course surveys the major developments in Western civilization from the establishment of absolute monarchy to the present. These developments include the evolution of political, economic, social and intellectual aspects of the modern world. Either semester (CHUM; CGCL; CMCL)

HIST 121 The Ancient World (3 credits)
This course presents a global view of ancient history with emphasis on Western civilization. It covers prehistoric humans and the various ancient civilizations to the decline of the Roman Empire in the West. Either semester.

HIST 131 World History to 1500 (3 credits)
This course will survey major issues in the politics, society, culture and economy of human societies around the world, from human evolution to 1500. (CHUM; CGCL; CMCL)

HIST 132 World History since 1500 (3 credits)
This course will survey major issues, events and processes in the politics, society and economy across societies from the world's major regions, from 1500 to present. (CHUM; CGCL; CMCL)

HIST 135-136 Freshman Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in History allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum

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is twelve. Topics vary from semester to semester. **HIST 135 fall semester, HIST 136 spring semester**

**HIST 151 Asian Civilization (3 credits)**
An introductory survey of the major Asian civilizations including those of China, Japan, and India. This course presents a historical view of Asian traditions and their modern transformation in the context of East-West interactions. (CHUM; CCG; CMCL)

**HIST 161 History and Culture of Mexico (3 credits)**
This course surveys the history of Mexico from the earliest human inhabitation to the present. It will present different interpretations of the major themes and developments in Mexican history: the ancient civilizations of Mesoamerica, the Spanish conquest and colonization, Mexico’s struggle for independence from Spain, the development of a unique Mexican culture incorporating Hispanic and indigenous traditions, and the quest for modernization and nationhood through reform and revolution and world attention will be paid to relations between Mexico and the United States, from the Mexican-American War to NAFTA. (CCG; CHUM; CMCL; CWRT)

**HIST 199 First Year Seminar (3 credits)**
*Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.*
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse, and practices. FYS courses are required. Students will be assigned to courses based on interest and skills. Each course will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

**HIST 221 United States History and Constitutions to 1865 (3 credits)**
This course examines the development of the nation from the age of exploration to the end of the Civil War. It emphasizes the economic, political, intellectual and social maturing of the United States. **Either semester (CHUM; CUSC)**

**HIST 222 United States History and Constitutions since 1865 (3 credits)**
This course continues the study begun in HIST 221 down to the present. It emphasizes the growth of America as an industrial and world power and the increasing role of government in American life. **Either semester (CHUM, CUSC)**

**HIST 286-287 Sophomore Honors Colloquium (1 credit each semester)**
*Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor*
Sophomore Honors Colloquia in History allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. **HIST 286 fall semester, HIST 287 spring semester**

**HIST 298 Second Year Seminar (Speaking Intensive) (3 credits)**
*Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.*
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**HIST 299 Second Year Seminar (Writing Intensive) (3 credits)**
*Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.*
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

300 and 400-level courses in history are designed primarily for juniors and seniors. As a minimum preparation, those taking upper-level courses in European, Asian, African, and Latin American history must have completed 3 credits in HIST 111, 121 or 131. Those taking upper-level courses in U.S. or Canadian history must have completed either HIST 221 or HIST 222. Exceptions to these requirements must be approved by the department.

**HIST 338-339 Honors Tutorial (3 credits each semester)**
*Prerequisite: Consent of the department*
Special topics in history. Open to Commonwealth and departmental honors students. Three weekly meetings. **HIST 338 Fall semester, HIST 339 Spring semester**

**HIST 400 The Ancient World: Near East (3 credits)**
*Prerequisite: HIST 111 or HIST 121 or HIST 131*
From prehistoric times through the Persian Empire.

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HIST 403 Ancient Greece and the Hellenistic Age (3 credits)
Prerequisite: HIST 111 or HIST 121 or HIST 131
An historical survey of Ancient Greece and a comprehensive study of the cultural contributions of the Greeks to western civilization.

HIST 404 The Ancient World: Rome (3 credits)
Prerequisite: HIST 111 or HIST 121 or HIST 131
From its beginnings to the barbarian invasions.

HIST 406 Rise of Early Christianity (3 credits)
Prerequisite: HIST 111 or HIST 121 or HIST 131
This course traces the development of Christian beginnings from the birth of Christ to the Council of Nicaea in A.D. 325. It intends to examine the cultural, social, intellectual, political and religious climate in the Roman Empire out of which Christianity sprang, the problems the early Christians encountered, and the Christian reaction to these problems.

HIST 415 Europe in the Middle Ages (3 credits)
From the fall of Rome to the Renaissance. Offered once in three years

HIST 418 Renaissance Europe (3 credits)
Prerequisite: One of the following: HIST 111 or HIST 112 or HIST 131 or HIST 132
This course will begin with an examination of the implications of the commercial revolution in Western Europe and with the rise of the Italian communes and then explore the demographic, social, political, military, cultural, and economic history of western and central Europe during the Renaissance.

HIST 419 The Reformation and Wars of Religion (3 credits)
Prerequisite: One of the following: HIST 111 or HIST 112 or HIST 131 or HIST 132
This course will examine the causes, conditions, and results including domestic and international warfare of the Protestant Reformation and Catholic Reform movement in Europe and its colonies to ca. 1648.

HIST 420 Early Modern Europe: Society and Culture (3 credits)
Prerequisite: One of the following: HIST 111 or HIST 112 or HIST 131 or HIST 132
This course will explore the history of European social and economic life, thought, and culture of elites and common folk from the 16th through the 18th centuries.

HIST 421 European Women's History: Medieval Renaissance and Reformation (3 credits)
Prerequisite: HIST 111 or HIST 112; or consent of the instructor
An examination of the prescriptive notions of "woman" as well as the varieties of actual historical experiences of women in western European society from the early Middle Ages through the Renaissance and Reformation periods (ca. 500-1650). Offered alternate years

HIST 425 British History since 1603 (3 credits)
England and its empire to 1815 with stress on parallel developments in American history, including economic and social factors.

HIST 426 British Empire and Commonwealth since 1815 (3 credits)
Political development to the present with emphasis on the rise and fall of the second empire.

HIST 430 Nineteenth Century Europe (3 credits)
From the Napoleonic era to the eve of the First World War.

HIST 431 Twentieth Century Europe (3 credits)
Particular focus on backgrounds, development, and effects of the two world wars.

HIST 432 Intellectual History of Modern Europe (3 credits)
From the Renaissance to the present. Offered once in three years

HIST 435 History of the U.S.S.R. (3 credits)
The political, social, intellectual, and diplomatic history of the Soviet Union.

HIST 436 History of East-Central Europe since 1918 (3 credits)
The political, social, economic, cultural and intellectual history of Austria, Hungary, Czechoslovakia and Poland during the interwar period and that of the Socialist Republics (Hungary, Czechoslovakia, Poland, and East Germany) from the Second World War to 1989. Offered once in three years

HIST 437 European National Histories (3 credits)
Prerequisite: One of the following: HIST 111 or HIST 112 or HIST 131 or HIST 132
This course will treat an individual nation in the context of Modern European History. The country to be studied will be announced in the Course Schedule in advance. The course may focus, for example, on France, Germany, Italy, Poland, Portugal, or Spain. This course may be repeated for different topics.

HIST 439 Topics in Non-United States History (3 credits)
Varied topics such as the Crusades, Latin American revolutions. This course may be repeated for different topics. Either semester

HIST 440 Topics in United States History (3 credits)
Varied topics such as the French in New England, History of Boston, American assassinations, the Vietnam War and Abraham Lincoln. This course may be repeated for different topics. Either semester

HIST 441 United States History: The Colonial Period 1607-1763 (3 credits)
The settlement and growth of the English colonies of America; England's colonial policies; economic and institutional development in the provincial period; the wars with the Indians, and the rivalry with the French in America. Offered alternate years

HIST 442 United States History: The American Revolution 1763-1787 (3 credits)
Background and causes of the American Revolution; the military, social, political, and diplomatic aspects of the Revolution. The government under the Articles of Confederation and the problems engendered by the attainment of political independence. Offered alternate years

May be taken for graduate level credit

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Course Descriptions

HIST 443 United States History: The Early National Period (3 credits)
United States History from the establishment of the Republic to the election of Andrew Jackson.

HIST 444 Jacksonian Democracy and the Coming of the Civil War (3 credits)
The election of Andrew Jackson and the "rise of the common man," the Whig-Democrat rivalry, the Texas question, Manifest Destiny, the rise of abolitionism, the events leading to the outbreak of the Civil War.

HIST 445 United States History: The Civil War (3 credits)
Background and causes of the Civil War, the military and naval aspects. Civil War music, art, and literature; diplomacy of the Civil War; the home front in the war; the plans for reconstruction; and military reconstruction. Fall semester

HIST 448 United States Foreign Relations to 1900 (3 credits)
From the American Revolution to 1900. Fall semester

HIST 453 United States History: Progressive Era (3 credits)
The rise of the Progressive movement in American history to the early 1920s as reflected in politics, government and the social and intellectual life of the era. Offered alternate years

HIST 455 History Study Tour (country to be determined) (3 credits)
Prerequisite: Consent of instructor
This course will offer students a first-hand, supervised crosscultural travel and study experience from a historical perspective. Students will participate in lectures, site visits, research and other academic experiences, including pre- and post-travel activities, as appropriate. Topics focus on historical development of world cultures such as walled cities in Italy and heritage sites in Japan. This course is interdisciplinary in nature, drawing upon perspectives such as visual and performing arts, religious traditions, political organization, economic development, and family life. This course may be taken as an elective or an area requirement for history credits.

HIST 456 World War II (3 credits)
A study of the global conflict with emphasis on military, diplomatic, and political events. Fall semester

HIST 457 America since World War II (3 credits)
Prerequisite: HIST 221 and HIST 222
The political, social, cultural and diplomatic development of America since World War II with emphasis on the Cold War, the Civil Rights Movement, and the debate over Welfare State.

HIST 458 North American Women's and Gender History (3 credits)
This course explores the history of women and gender in the United States and Canada from the colonial period to the present. It pays particular attention to the ways in which categories of gender, race, class, and ethnicity have intersected and changed over time. Students who elect both HIST 458 and HIST 466 American Women's History may use only one of the courses to meet History Major Requirements. Offered alternate years

HIST 461 American Immigration and Ethnicity (3 credits)
Patterns of migration to the United States with particular emphasis on the 19th and 20th centuries. Fall semester

HIST 462 American Labor History (3 credits)
The pre-industry and industrial periods. Emphasis on reciprocal relations of workers, immigrants, urbanization, and industrialization. Either semester

HIST 464 New England Textile Communities: Social and Economic History (3 credits)
Social history emphasizing economic, ethnic, labor, political and religious factors during a period when the New England region achieved ascendency as the nation's foremost cotton textile area. Offered alternate years

HIST 465 African-American History (3 credits)
From the colonial period through the present.

HIST 466 Women in American History (3 credits)
A history of American women from the colonial period to the present time. Students who elect both HIST 458 and HIST 466 may use only one of these courses to meet the History Major Requirements. Offered alternate years

HIST 471 Sport in American Life (3 credits)
Prerequisite: HIST 221 or HIST 222
The rise of sport in American society, stressing its cultural, economic, and social impact since the Civil War. Spring semester

HIST 473 Asian-American History (3 credits)
Prerequisite: HIST 221 or HIST 222; and one of the following: HIST 111, HIST 112, HIST 131, HIST 132, HIST 151
This course explores Asian-American history, from the 19th century to the present. It will focus on the changing experiences of Asian-Americans within the larger context of immigration and race relations in American history.

HIST 474 Islamic Civilization to 1400 (3 credits)
Prerequisite: HIST 111 or HIST 112 or HIST 121 or HIST 131 or HIST 132
A survey of Middle Eastern history from the rise of Islam in the 7th century through the Mongol conquests in the 13th century. Coverage will include political, social and religious developments during the formative centuries of Islamic civilization. Topics include the career of the Prophet Muhammad and the origins of the earliest Muslim state; the attempt to create a universal Muslim empire (the Caliphate) and its ultimate collapse; the transmission of knowledge and learning; mystical and sectarian forms of piety and their social and political expressions; forms of household, and the place of slaves, women and non-Muslims in Islamic society, tribes, cities, and the rise of warrior elites; the popular imagination. Attention will be given to long-term cultural and social continuities between the Islamic and ancient Near East, evolving conceptions of religious and political authority, and the relationship between rules and ruled.

†May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
HIST 475 The Modern Middle East (3 creditst)
Prerequisite: One of the following: HIST 111, 112, 121, 131, 132
A survey of Middle Eastern history from 1400 to the present. Topics include the rise and decline of the last Muslim empires, European colonial and imperial penetration of the Middle East in the 19th century, the social and cultural impact of imperialism, the rise of nation-states in the 20th century, nationalist ideologies (e.g. pan-Arabism, Zionism), the emergence of political Islam as a key force, religious sectarianism, and contemporary problems of political and economic development.

HIST 477 Latin America: The Colonial Period (3 creditst)
Indigenous peoples of the area, exploration and conquest, institutional development of the empire to the revolts against Spain.

HIST 478 Latin America: The National Period (3 creditst)
From the revolutions against Spain to the present.

HIST 480 History of Imperial China (3 creditst)
This course will provide an overview of Chinese civilization and society, with an emphasis on the history of late imperial China from the 11th through the 19th centuries.

HIST 481 China Under Communism (3 creditst)
Prerequisite: One of the following: HIST 111, HIST 112, HIST 121, HIST 131, HIST 132, HIST 151, HIST 221, HIST 222
The social, political, and economic transformation of China from an agrarian empire to a revolutionary, socialist nation.

HIST 482 History of Modern Japan (3 creditst)
This course will provide an overview of Japan’s transformation from a feudal regime to a modern nation, with an emphasis on the period from 1600 to the present.

HIST 483 South Asia: The Modern Period (3 creditst)
Emphasis on colonialism and nationalism in the Indian subcontinent and Vietnam. Fall semester

HIST 484 War and Revolution in Modern Asia (3 creditst)
Prerequisite: One of the following: HIST 111, HIST 121, HIST 131, HIST 132, HIST 151, HIST 221, HIST 222
This course will examine the revolutionary movements and military conflicts in Asia in the 20th century, with an emphasis on China and Japan.

HIST 485 Honors Thesis (3 creditst)
Prerequisite: Open to Commonwealth and Departmental Honors students
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester

HIST 487 Canadian History to Confederation (3 creditst)
The land, the native peoples, exploration, patterns of settlement of the French through the Conquest to the development of English institutions.

HIST 488 Canadian History since Confederation (3 creditst)
The evolution of an independent Canada from the time of the Confederation.

HIST 489 History of Canadian-American Relations (3 creditst)
An analysis of the Canadian efforts to remain friendly with the giant to the south while protecting its political, economic and cultural integrity. Offered once in three years

HIST 490 Historical Studies at Oxford (3 creditst)
Study of selected topics in European History. (This is a special program in England at Oxford University during July. Additional fees are required.) Open to juniors and seniors only.

HIST 491 Medicine and Society in the North Atlantic World (3 creditst)
Prerequisite: One of the following: HIST 111, HIST 112, HIST 121, HIST 131, HIST 132, HIST 221, HIST 222 or consent of the instructor
This course explores themes in the social history of health, medicine and gender in the English-speaking North Atlantic world, from the beginning of the 18th century to 1920. The course compares how western societies have conceived of “health” for men and women and examines how the delivery of medical care in these societies changed over time. Specific topics will include changing conceptions of the body, popular healing, and medical professionalization. The course includes both lectures and seminars.

HIST 494 Quebec and Canada since 1867 (3 creditst)
Prerequisite: One of the following: HIST 111, HIST 112, HIST 121, HIST 131, HIST 132, HIST 221, HIST 222 or consent of the instructor
This course examines the love-hate relationship that emerged between French Canada and English Canada in the years between Confederation and the 1995 referendum on separatism in Quebec. How did francophones and anglophones negotiate coexistence within Canada in these years? What are the main sources of separatist feeling in French Quebec? Themes that will be examined include the economic dominance of English Canada over French Canada, the transformation of Quebecois nationalism, and the importance of language protection to French-Canadian culture.

HIST 495 Undergraduate History Colloquium (3 creditst)
Prerequisite: Two of the following: HIST 111, HIST 112, HIST 121, HIST 131, HIST 132; and HIST 221 and HIST 222
The undergraduate history colloquium is a text and discussion-based, writing-intensive course that focuses on a specific historical topic and relevant historiographical issues, and required development of research skills. This course may be repeated for different topics. (CWRM)

HIST 496 Undergraduate History Seminar (3 creditst)
Prerequisite: Two of the following: HIST 111, HIST 112, HIST 121, HIST 131, HIST 132; and HIST 221, HIST 222 or consent of instructor
The undergraduate history seminar is an intensive course in which students will write a major research paper involving original research. Students will present and critique

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

papers on specific historical topics and relevant historiographical literature. This course does not carry graduate credit.

HIST 498 Internship in History (3-6 credits)
Prerequisite: Consent of the department; formal application required
Intended to expose student participants to historical artifacts and primary source materials. Host agencies may include museums and public and private historical organizations. Graded on a (P) Pass/(N) No Pass basis. Either semester

HIST 499 Directed Study in History (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits or with an internship program—combined credit maximum, six. Either semester

HIST 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who wishes to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

HIST 540 Topical Seminar: U.S. (3 credits)
This course will stress reading and research in a limited field. Topics will vary each time the course is given and will be announced in the Course Schedule. This course may be repeated for different topics. Limited enrollment.

HIST 545 Topical Seminar: Canada (3 credits)
This course will stress reading and research in a limited field. Topics will vary each time the course is given and will be announced in the Course Schedule. This course may be repeated for different topics.

HIST 550 Topical Seminar: Europe (3 credits)
This course will stress reading and research in a limited field. Topics will vary each time the course is given and will be announced in the Course Schedule. This course may be repeated for different topics. Limited enrollment.

HIST 560 Topical Seminar: Latin America (3 credits)
This course will stress reading and research in a limited field. Topics will vary each time the course is given and will be announced in the Course Schedule. Limited enrollment. This course may be repeated for different topics.

HIST 570 Topical Seminar: Africa (3 credits)
This course will stress reading and research in a limited field. Topics will vary each time the course is given and will be announced in the Course Schedule. Limited enrollment. This course may be repeated for different topics.

HIST 580 Topical Seminar: Asia (3 credits)
This course will stress reading and research in a limited field. Topics will vary each time the course is given and will be announced in the Course Schedule. Limited enrollment. This course may be repeated for different topics.

Other Approved Courses:
HIST 122 World Civilization II: Medieval
HIST 123 World Civilization III: Early Modern
HIST 201 Historiography
HIST 407 Mystery Religions
HIST 408 Jews and Christians in the Ancient Roman World
HIST 429 The French Revolution and the Napoleonic Era
HIST 433 Modern European Imperialism
HIST 434 Modern Russia to 1917
HIST 446 United States History: 1865-1900
HIST 449 United States Foreign Relations since 1900
HIST 451 Social and Intellectual History of the United States 1870-1914
HIST 452 Social and Intellectual History of the U.S.
HIST 460 History of American Indians since 1914
HIST 468 History of American West
HIST 476 The Arab-Israeli Conflict
HIST 492 Historical Museum Management
HIST 493 Museum Management: A Practicum
HIST 502 Research

HIGH SCHOOL EDUCATION (HSED) (also see EDHM)

HSED 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse, and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

HSED 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
HSED 299 Second Year Seminar (Writing Intensive)  
(3 credits)  
Prerequisite: _____199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____298 is for credit. 
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

HSED _____ Strategies for Teaching in the High School (3 credits)  
Prerequisite: EDHM 210 and EDHM 235 and EDHM 335 and admission to the Professional Education Program  
Prerequisite for HSED 465: EDHM 210 and EDHM 235 and EDHM 335 and admission to the Professional Education Program  
Strategies, including methods, materials and media for teaching particular disciplines are studied. Developing competency and versatility is stressed through simulations and guided teaching in area high schools. A student registers for the course appropriate to the student's major according to the following schedule:

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>9</td>
<td>HSED 412</td>
<td>History/Political Science</td>
</tr>
<tr>
<td>9</td>
<td>HSED 414</td>
<td>English</td>
</tr>
<tr>
<td>9</td>
<td>HSED 422</td>
<td>Mathematics</td>
</tr>
<tr>
<td>9</td>
<td>HSED 465</td>
<td>Integrated Science</td>
</tr>
<tr>
<td>9</td>
<td>HSED 414 and HSED 422 and HSED 465 fall semester; HSED 412 fall and spring semester</td>
<td></td>
</tr>
</tbody>
</table>

HSED 495 High School Practicum (12 credits)  
Prerequisite: MSED 200 and MSED 300 and MSED 400 and MSED 440  
Student teaching is the culminating experience in the high school program. Students demonstrate their ability to be an effective teacher in this semester long practicum.

HSED 499 Directed Study in High School Education  
(1-3 credits)  
Prerequisite: Consent of the department  
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

HSED 503 Directed Study (credit to be arranged)  
Prerequisite: Consent of the department; formal application required  
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

HSED 560 Special Topics (3 credits)  
Prerequisite: Course prerequisites may be specified depending on the nature of the topic  
Special topics of current relevance in education will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May take more than once with consent of the adviser.

Other Approved Courses:
HSED 490 Student Teaching Practicum – High School
HSED 491 Internship in High School Education
HSED 502 Research

INSTRUCTIONAL TECHNOLOGY (INST)

INST 500 Introduction to Instructional Technology  
(3 credits)  
Prerequisite: Working knowledge of Windows and Macintosh platforms  
This course is designed to help students explore how instructional technology can be used for teaching and learning. This course has two primary goals: 1) to provoke ideas about ways computers can be used in school and non-school settings to enhance teaching and learning and 2) to gain experience with software and technology as teaching tools.

INST 503 Directed Study (credit to be arranged)  
Prerequisite: Consent of the department; formal application required  
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

INST 509 Foundations of Instructional Technology  
(3 credits)  
Prerequisite: Working knowledge of Windows, Macintosh platform, and MS Office  
The history, current practices, and future directions of the Instructional Technology field provide a framework for student-creation of teaching and learning tools. Presentation, collaboration, and multi-media become vehicles for learning as students probe the role of technology within the PreK-12 environment.

INST 521 Current Applications and Integration (3 credits)  
Prerequisite: INST 509 or consent of the instructor  
Students will explore the application and integration of electronic tools in instructional settings. Collaborative environments, electronic assessment tools, and authoring systems will be applied to foster the further development of PreK-12 teaching and learning. Emphasis will be placed on the integration of technology into the curriculum.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Addenda at www.bridgewater.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
Course Descriptions

INST 522 Instructional Design (3 credits)
Prerequisite: INST 509 or consent of instructor
Using a systematic approach, students will design, develop, evaluate and revise instruction to meet defined goals and objectives. Contemporary theories of learning become the framework and catalyst for the design process.

INST 523 Information Access and the Internet (3 credits)
This course provides continued development in the use of telecommunications and the Internet. Advanced hands-on practice in using the Internet, ethical and legal issues related to responsible classroom use of the Internet and a wide variety of curriculum connections will be explored.

INST 524 Technology Leadership (3 credits)
Procedures for the establishment or continued development of PreK-12 instructional technology programs will be the focus of this course. Students will learn roles and responsibilities for the technology leader: vision, strategic planning, budget development, equity, purchasing, staff development, technology policies and program evaluation.

INST 525 Emergent Technology and Learning Environments (3 credits)
Prerequisite: INST 524 or consent of instructor
Students will explore new and emerging technologies and construct the philosophical framework for how these technologies can be integrated into PreK-12 education. Planning, diffusion of innovation, and the educational change process will be discussed. Currently, the technologies that will be studied include those related to virtual reality, decentralized systems, intelligent agents, and distance education.

INST 526 Making Connections: Networking (3 credits)
Application of networking concepts related to the management of local area networks. Includes topics related to repair, setup, management, and maintenance of local area networks in the PreK-12 environment.

INST 551 Home Pages for Educators (3 credits)
This course will provide students with a thorough look at important Web sites for educational use; in-depth skills in effectively utilizing search engine strategies for students; the tools and methodology necessary to create a content-rich Web site for school; effective ways to link the vast resources of the Internet to curriculum content; a multidisciplinary model for Internet curriculum integration; the information and tools needed to critically evaluate a Web page; (students will evaluate the critical elements which must be present to give credibility to a page); strategies for utilizing the Internet and Web page use, construction, and curriculum development as an integral part of curriculum design; the implications of utilizing the Internet and a school’s Web page to publish student work; and the background in the moral, legal and ethical considerations of Internet use and Web page development in the schools and how to translate this knowledge into effective school policy.

INST 552 Multimedia for Educators (3 credits)
The course will provide an introduction to multimedia. The power of multimedia allows the teacher to be a developer of software or to facilitate student development of software. The focus will be on good multimedia design, the user, and evaluation. Incorporation of media such as video, sound and graphics will also be included.

INST 560 Topics in Instructional Technology (1-3 credits)
Special topics of current relevance in instructional technology education will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the student’s adviser.

INST 590 Seminar in Instructional Technology: Research and Analysis (3 credits)
Prerequisite: E EDMC 530 and a minimum of 15 credit hours in instructional technology; familiarity with Blackboard strongly recommended
This course will build on the knowledge obtained in EDMC 530. The Teacher as Researcher and all other courses taken toward the degree. Students will examine major issues and problems within the instructional technology field including, but not limited to, achievement, motivation, access, and equity. In this course, students will develop and in INST 596 implement a research project pertaining to the implementation or integration of instructional technology into the teaching and learning process in PreK-12 education.

INST 596 Clinical Experience (3 or 6 credits)
Prerequisite: INST 590 and acceptance and retention in the Professional Education Program, satisfactory completion of program requirements, and consent of the instructional technology coordinator.
During the clinical experience, the student is employed in the role of an Instructional Technology Specialist in a PreK-12 school setting under appropriate school and college supervision. The clinical experience consists of 200 clock hours (3 credits) for those who hold a standard teaching certificate, and 400 hours (6 credits) for students who hold the minimum provisional with advanced standing teaching certificate. If the student is not employed, he/she will be placed full-time in an appropriate school setting under the direction of a qualified practitioner and college supervisor.

INTERDISCIPLINARY (INTD)
(see also NSCI, WMST)

INTD 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above.
Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)
INTD 200 Introduction to Canadian Studies (3 credits)
An interdisciplinary course, which acts as the initial course for the general student and for those wishing to pursue a track in Canadian Studies. The following areas are included: anthropology, art, economics, education, English, French, geography, government, history, music, religion, sociology and theater. Fall semester (CSOC; CGCL)

INTD 211 History and Literature of Western Civilization I (3 credits)
Prerequisite: Enrollment in Commonwealth Honors and consent of the instructors
A study of selected historical and literary documents, which shaped and in turn were formed by the civilization of the West. The course will focus on the classical, medieval and early renaissance periods and will be taught by two instructors, one from the Department of History and one from the Department of English.

INTD 216 Introduction to Irish-American Studies (3 credits)
This course presents an interdisciplinary overview of the history, culture, and identity of the Irish in America. The following areas are included: art, education, English, government, history, music, religion, sociology, and theater. Offered alternate years

INTD 220 Introduction to American Studies (3 credits)
Sophomores should enroll in this interdisciplinary course which is the initial course for the minor in American Studies. The course aims to examine from several perspectives one problem or period in the American experience. The topic, to be announced before registration, changes from year to year. Disciplines involved include: English, history, art, philosophy, political science and others.

INTD/PHED 236 Games and Sport of Arctic People (3 credits)
A historical and philosophical study of the games and sport of traditional Arctic people, including an overview of the cultural attributes that inform the above.

INTD/WMST 240 Critical Perspectives in Women's and Gender Studies (3 credits)
This course introduces students to the historical background and theoretical frameworks of women's studies. Central to the course is an analysis of the range of feminist scholarship, and the intersections of gender, race, class and sexuality. Students will examine contemporary issues in women's studies and the implications of feminist thought for society and the individual. Spring semester (CHUM; CMCL; CWRT)

INTD 250 Introduction to Multimedia (3 credits)
Prerequisites: A familiarity with either Windows or the Macintosh system
The components of multimedia, text, graphics, sound, animation and video, will be studied as parts of a cohesive whole, integrated through the computer. Attention will be given to aspects of effective screen design and navigation structures. Various types of multimedia applications will be examined.

INTD 270 The Internet and the Web (3 credits)
Prerequisite: A familiarity with either Windows or the Macintosh system
This course will provide an introduction to some of the basic tools needed to navigate the Internet and to retrieve information from Internet sites. Tools covered include e-mail, telnet, ftp, gopher, listserve and the World Wide Web. The course will also include a look at the history of the Internet. In addition, students will learn HTML, the language of the World Wide Web, in order to create effective web pages. Aspects of page design and navigational design will be included.

INTD 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ____ 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____ 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

INTD 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ____ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ____ 299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

INTD 338-339 Honors Tutorial (3 credits each semester)
Prerequisites: Open to Commonwealth Honors students at the junior and senior levels; completion of three Honors Colloquia and attainment of an overall GPA of at least 3.3 Special topics of an interdisciplinary nature. Three weekly meetings weekly. INTD 338 fall semester; INTD 339 spring semester

INTD/COMM/PSYC 349 Perspectives on the Holocaust (3 credits)
Prerequisite: PSYC 100 and COMM 130
This course introduces students to the study of the Holocaust. It examines the atmosphere and events that allowed the systematic extermination of 11 million non-

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Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
Course Descriptions

Other Approved Courses:
INTD 101 Freshman Seminar
INTD/WMST 230 Introduction to Women’s Studies
INTD/WMST 330 Issues and Perspectives in Women’s Studies
INTD 427 Ireland in Literature and History, 1798-1922
INTD/WMST 430 Seminar: Research Theory and Methods in Women’s Studies

LANGUAGES

ARABIC (LAAR)

LAAR 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest.
Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LAAR 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: LAAR 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if LAAR 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LAAR 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: LAAR 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if LAAR 298 is taken for credit. Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits intro-
Reduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

Other approved courses:
LAAR 101 Elementary Arabic I
LAAR 102 Elementary Arabic II
LAAR 151 Intermediate Arabic
LAAR 172 Business Arabic
LAAR 211 Arabic Literature in Translation

**CHINESE (LACH)**

LACH 101 Elementary Chinese I (3 credits)
Note: See the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LACH 102 Elementary Chinese II (3 credits)
Prerequisite: LACH 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LACH 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topical courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LACH 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LACH 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**CAPE VERDEAN CREOLE (LACV)**

LACV 101 Elementary Cape Verdean Creole (3 credits)
This course is an introduction to the lexical, grammatical, semantic and phonetic structures of the Cape Verdean Creole language, with a special emphasis on functional communication. The students are offered an initial introduction of the origins of the language, and everyday cultural concepts are discussed. (CGCL; CHUM)

**FRENCH (LAFR)**

LAFR 101 Elementary French I (3 credits)
Note: See the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a
Course Descriptions

controlled environment is the principal objective of the course. (CHUM; CGCL)

LAFR 102 Elementary French II (3 credits)
Prerequisite: LAFR 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog.
The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts discussed. Relevant comparison and contrast with the native language is treated.
Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LAFR 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LAFR 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: _199: Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CFYS)

LAFR 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: _199: Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CFYS)

GERMAN (LAGE)

LAGE 101 Elementary German I (3 credits)
Prerequisite: See the Departmental Foreign Language Policy in the Foreign Languages section of this catalog.
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LAGE 102 Elementary German II (3 credits)
Prerequisite: LAGE 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog.
The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LAGE 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
### Course Descriptions

**LAGE 298 Second Year Seminar (Speaking Intensive) (3 credits)**
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**LAGE 299 Second Year Seminar (Writing Intensive) (3 credits)**
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**Other Approved Courses:**
- LAGE 151 Intermediate German I
- LAGE 181-182 Advanced German I-II
- LAGE 191-192 Scientific German I-II
- LAGE 201-202 Survey of German Literature I-II
- LAGE 252 Reading in German
- LAGE 262 German Life and Literature under Hitler in English
- LAGE 272 Aspects of German Culture and Civilization in English
- LAGE 282 German Conversation and Civilization

**ITALIAN (LAIT)**

**LAIT 101 Elementary Italian I (3 credits)**
Note: See the Departmental Foreign Language Policy in the Foreign Languages section of this catalog.

An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated.

**LAIT 102 Elementary Italian II (3 credits)**
Prerequisite: LAIT 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog.

The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated.

**LAIT 199 First Year Seminar (3 credits)**
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.

First Year Seminars (SYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. SYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CFYS)

**LAIT 298 Second Year Seminar (Speaking Intensive) (3 credits)**
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**LAIT 299 Second Year Seminar (Writing Intensive) (3 credits)**
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage...
students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

Other Approved Courses:
LAIT 151 Intermediate Italian I
LAIT 181-182 Advanced Italian I-II
LAIT 252 Reading in Italian

JAPANESE (LAJA)

LAJA 101 Elementary Japanese I (3 credits)
Note: See the Departmental Foreign Language Policy in the Foreign Language section of this catalog
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; GCCL)

LAJA 102 Elementary Japanese II (3 credits)
Prerequisite: LAJA 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
The further study of elementary syntactic, semantic, phonetic and paralinguistic structure is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; GCCL)

LAJA 172 Business Japanese (3 credits)
Prerequisite: LAJA 151 or equivalent
An introduction to the language of business and professional careers and pertinent aspects of modern Japanese society and culture. Emphasis is placed on the development of comprehension and communication business skills. Conducted in Japanese. Fall semester

LAJA 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum.

Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CSYS)

LAJA 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: _______199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _______299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LAJA 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: _______199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _______298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

Other Approved Courses:
LAJA 151 Intermediate Japanese

LANGUAGES GENERAL (LANG)

LANG 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

**LANG 298 Second Year Seminar (Speaking Intensive) (3 credits)**
Prerequisite: ___199, Open to all sophomores and juniors who have completed ENGL 101 and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**LANG 299 Second Year Seminar (Writing Intensive) (3 credits)**
Prerequisite: ___199, Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.

Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**LANG 300 Languages of the World (3 credits)**
Prerequisite: Students must have completed two of the following western civilization courses: HIST 111 or HIST 112 or HIST 121 or HIST 124 or HIST 131 or HIST 132; or completed one of these western civilization courses and one of the following: HIST 221 or HIST 222.

This course will analyze the diversity of language systems and their fundamental similarities. Students will examine their own beliefs about language and language use. Movements of languages and language families across the globe will add historical and social perspective. (CGCL; CHUM)

**LANG 324 Foreign/Second Language Applied Linguistics (3 credits)**
Prerequisite: LASP 271 or ENGL 323 or consent of the instructor.
The course will treat first, second and foreign language learning in home and educational settings. Emphasis is placed on differences between linguistic and pedagogical grammars, strong versus weak contrastive hypotheses, and on the notion of transitional competence. Research techniques are analyzed.

**LANG 350 International Women's Cinema (3 credits)**
This course explores international women's cinema that spans a spectrum of cultures, races, ethnicities, sexualities, languages, and visual aesthetics. The diverse ways in which women directors enlist cinematic art to articulate and debate such issues as: differences between Non-western and Western cultural representations and perceptions of female bodies and body image; explorations of gender, race, and class; varying notions about feminism within non-Western and Western cultures; experimental, documentary, and feature film techniques that challenge cinematic patriarchalism and racism; globalization, technonolgy, and women's lives in the new millennium; and more will be explored. (CHUM; CMCL)

**LANG 498 Internship in Foreign Languages (3-15 credits)**
Prerequisite: 24 credits in Spanish major, consent of the department; formal application required.
An off-campus experience to expand the cultural and occupational potential of the student using a foreign language in a working environment. A maximum of three credits may be substituted for one course in major with departmental approval. Graded on a (P) Pass/(N) No Pass basis.

**LANG 499 Directed Study in Foreign Language (1-3 credits)**
Prerequisite: Consent of the department.
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

**LANG 560 Special Topics in Foreign Languages (variable credit)**
Prerequisite: May be specified depending on the nature of the topic.
Special topics of current relevance in foreign languages will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May be taken more than once for different topics.

Other Approved Courses:
- LANG 135-136 Freshman Honors Colloquium
- LANG 286-287 Sophomore Honors Colloquium
- LANG 310 Comparative Medieval Romance Literatures in English Translation
- LANG 311 Dante and Medieval Culture in Translation
- LANG 338-339 Honors Tutorial
- LANG 485 Honors Thesis
- LANG 502 Research
- LANG 503 Directed Study

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
PORTUGUESE (LAPO)

LAPO 101 Elementary Portuguese I (3 credits)
Prerequisite: LAPO 102; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LAPO 102 Elementary Portuguese II (3 credits)
Prerequisite: LAPO 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LAPO 151 Intermediate Portuguese I (3 credits)
Prerequisite: LAPO 102
This course is a review of Portuguese grammar with emphasis given to reading, writing, listening and speaking; systematic laboratory practice; an introduction to Portuguese culture. (CHUM; CGCL)

LAPO 152 Intermediate Portuguese II (3 credits)
Prerequisite: LAPO 151
This course continues to review and reinforce previously acquired skills in Portuguese, in a communicative and functional way. More culturally-based materials are introduced, focusing on the Portuguese linguistic and cultural heritage. In this student-centered approach, students make presentations and hold discussions in Portuguese. Dialectal variation (i.e. European vs. Brazilian Portuguese) and the various traditions of Portuguese-speaking countries are addressed.

LAPO 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LAPO 252 Reading in Portuguese (3 credits)
Prerequisite: LAPO 151 or consent of the instructor
The student is introduced to the reading, analysis and discussion of modern literary and cultural texts from Portuguese-speaking countries. The emphasis is on the development of reading comprehension skills and vocabulary.

LAPO 271 Review of Portuguese Grammar (3 credits)
Prerequisite: LAPO 252
This course is a review of the Portuguese language from the point of view of prescriptive grammar. Some consideration to dialectal variation is given as well. The overall objective of the course is to deepen students’ understanding of the syntactic patterns of the language and increase students’ lexicon. This course is conducted in Portuguese.

LAPO 272 Portuguese Composition (3 credits)
Prerequisite: LAPO 271
The student develops writing skills utilizing sources from the Portuguese-speaking world. Different writing styles and topics are introduced and practiced. Systematic review of the language is conducted with emphasis on more advanced syntactic patterns. This course is conducted in Portuguese.

LAPO 281 Portuguese Conversation (3 credits)
Prerequisite: LAPO 271 or consent of the instructor
The students develop speaking skills utilizing media sources from the Portuguese-speaking world. Different topics of current interest are introduced and discussed. Systematic review of the language is conducted with emphasis on more advanced patterns. This course is conducted in Portuguese.

LAPO 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: _____199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____299 is taken for credit.
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LAPO 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: _____199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and pro-
provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

RUSSIAN (LARU)

LARU 101 Elementary Russian I (3 credits)
Note: See the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LARU 102 Elementary Russian II (3 credits)
Prerequisite: LARU 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LARU 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topical courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LARU 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: __199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___298 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topical courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LARU 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topical courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

Other Approved Courses:
LARU 151-152 Intermediate Russian I-II
LARU 181-182 Advanced Russian I-II
LARU 252 Reading in Russian

SPANISH (LASP)

LASP 101 Elementary Spanish I (3 credits)
Note: See the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
An introduction to elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

LASP 102 Elementary Spanish II (3 credits)
Prerequisite: LASP 101; or see the Departmental Foreign Language Policy in the Foreign Languages section of this catalog
The further study of elementary syntactic, semantic, phonetic and paralinguistic structures is offered. Pertinent everyday cultural concepts are discussed. Relevant comparison and contrast with the native language is treated. Functional communication in the second language in a controlled environment is the principal objective of the course. (CHUM; CGCL)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridge.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
Course Descriptions

LASP 151 Intermediate Spanish (3 credits)
Prerequisite: LASP 102
A review of Spanish grammar with emphasis given to reading, writing, listening and speaking; systematic laboratory practice; an introduction to aspects of Hispanic culture. Conducted in Spanish. (CHUM; CGCL)

LASP 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LASP 210 Latin American Poetry in Translation
(3 credits)
The course offers readings and discussions of poetry from the colonial period through modern times with primary focus on authors of the 19th and 20th century. The class will consider thematic issues within their cultural/historical settings and will compare European and non-European poetry. The course includes such poets as Sor Juana Ines de la Cruz, Jose Maria Heredia, Ruben Dario, Gabriela Mistral, Pablo Neruda and Octavio Paz. Not applicable toward the Spanish major or minor.

LASP 220 The Contemporary Latin American Novel in English Translation (3 credits)
This course introduces the student to the primary works of Latin American writers such as Cortazar, Carpentier, Garcia, Marquez, Vargas Llosa and Donoso. The class will study Magic Realism, the Boom and Post-Boom literary currents and compare them with European literary trends. Not applicable toward the Spanish major or minor.

LASP 230 Contemporary Latin American Short Story in Translation (3 credits)
The course offers readings and discussion of the 20th century short stories with primary focus on major literary trends and representative male/female authors. The course considers the thematic issues and narrative features that characterize works belonging to Fantastic Literature, Magical Realism, the Boom and Post-Boom and places them within an historical/cultural context. The study includes such authors as Jorge Luis Borges, Juan Rulfo, Garcia Marquez, Rosario Ferré and Isabel Allende. Not applicable toward the Spanish major or minor. (CHUM; CGCL; CMCL)

LASP 252 Reading in Spanish (3 credits)
Prerequisite: LASP 151 or consent of the instructor
The student is introduced to the reading, analysis, and discussion of semi-edited modern literary and cultural texts from Spain, Latin America and the Caribbean. The emphasis is on the development of reading comprehension skills and vocabulary. Conducted in Spanish.

LASP 271 Patterns of the Spanish Language (3 credits)
Prerequisite: LASP 252 or consent of the instructor
Consideration given to writing patterns and to oral patterns with emphasis on lexicon. Conducted in Spanish.

LASP 272 Spanish Composition (3 credits)
Prerequisite: LASP 271 or consent of the instructor
The student develops writing skills utilizing sources from the Spanish-speaking world. Different writing skills and styles are introduced and practiced. Systematic review is conducted with emphasis on more advanced language patterns. Conducted in Spanish.

LASP 281 Spanish Conversation (3 credits)
Prerequisite: LASP 271 or consent of the instructor
Fluent expression in formal and informal speech is stressed in this course. Oral proficiency is improved by the systematic study of the lexicon and speaking styles. Students must complete work in analyzing various media in Spanish. This course is conducted in Spanish.

LASP 290 Spanish Phonetics and Dialectology (3 credits)
Prerequisite: LASP 281 or consent of the instructor
This course provides a comprehensive description of the sound system of Spanish. It includes a discussion of the major phonetic characteristics of regional and social varieties of the Spanish of Spain and Latin America. Special attention is given to the identification of pronunciation problems of non-native speakers, with an emphasis on English pronunciation patterns. Students will be required to study the phonetics terminology and to relate the readings to sample recordings of native speakers. This course is conducted in Spanish.

LASP 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LASP 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LASP 350 Gender, Sexuality, and Politics in Hispanic Cinema (3 credits)
Prerequisite: LASP 271 and LASP 272 or consent of the instructor
This course will explore Hispanic cinema from such directors as the surrealist Luis Buñuel and Salvador Dalí to the contemporary work of Pedro Almodóvar, Fina Torres, and Tomás Gutiérrez Alea. The study of cinematic techniques will be contextualized with reference to Hollywood, independent, and European cinema. Close analysis will shed light on such issues as 1.) links between the sexual body and the body politic; 2.) constructions of “woman” as monster; 3.) post-Francoist countercultural critiques of family and society; 4.) cinematic violence as riposte to fascist ideologies; 5.) cultural spectacles such as the bullfight, religious procession, and saintly relic; 6.) surrealism, magical realism, and gender. Spanish majors and minors will read supplementary material in Spanish; final essays may be written in either language. This course fulfills credit toward the Spanish major and minor and the Women’s and Gender Studies minor. Offered every other year

LASP 391 Spanish Civilization (3 credits)
Prerequisite: LASP 281 or consent of the instructor
Readings and discussion of topics related to Spanish civilization through the centuries are treated. Conducted in Spanish.

LASP 392 Spanish-American Civilization (3 credits)
Prerequisite: LASP 281 or consent of the instructor
Readings and discussions of topics related to South American and Caribbean civilizations from pre-Columbian to modern times are treated. Conducted in Spanish.

LASP 400 Survey of Spanish Literature (3 credits)
Prerequisite: LASP 391 or consent of the instructor
The course introduces the student to the principal literary movements from the Middle Ages to the present. Representative authors such as Ruiz, Cervantes, Lope de Vega, Moratin, Espronceda, Perez Galdos, Unamuno, Baroja, Garcia Lorca and Cela are treated. Conducted in Spanish.

LASP 401 Topics in Spanish Literature (3 credits)
Prerequisite: LASP 400 or LASP 402, or consent of the instructor
Topics will focus on a particular genre, such as the short story or the theater, with intensive study of selected works from modern writers. Conducted in Spanish. This course may be repeated.

LASP 402 Survey of Spanish-American Literature (3 credits)
Prerequisite: LASP 392 or consent of the instructor
Principal literary movements from the colonial times to the present will be introduced. Discussion will include representative works of El Inca Garcilaso de la Vega, Sor Juana Ines de la Cruz, Dario, Rulfo, Garcia Márquez, and Fuentes. Conducted in Spanish.

LASP 403 Topics in Spanish-American Literature (3 credits)
Prerequisite: LASP 400 or LASP 402 or consent of the instructor
Topics will focus on a particular genre, such as the short story or the Theater, with intensive study of selected works from modern writers. Conducted in Spanish. This course may be repeated.

LASP 490 Seminar in Hispanic Literature (3 credits)
Prerequisite: LASP 400 or LASP 402 or consent of the instructor
Topics will be drawn from theme, genre, author, and period. This course may be repeated for credit. Conducted in Spanish.

LASP 495 Seminar in Spanish-American Literature (3 credits)
Prerequisite: Honors senior status and consent of the department
This seminar will pursue in depth selected topics and authors of the specific literature. To be offered as required for qualified students.

Other Approved Courses:
LASP 110 Conversational Spanish for Medical Personnel
LASP 301 The Golden Age of Spanish Literature
LASP 310 Contemporary Latin American Short Story
LASP 320 Latin American Poetry
LASP 351 Cervantes
LASP 371 Advanced Spanish Conversation
LASP 381 The Middle Ages
LASP 404 Nineteenth Century Spanish Literature
LASP 410 Latin American Novel: Early Twentieth Century
LASP 420 The Contemporary Latin American Novel
LASP 451 Twentieth Century Spanish Literature
LASP 507 Advanced Composition and Stylistics for Graduate Students
LASP 511-512 Masterpieces of Spanish-American Literature I-II
LASP 520 Topics in Spanish-American Civilization
LASP 521 Topics in Spanish Civilization
LASP 525 Masterpieces of Spanish Literature I
LASP 526 Masterpieces of Spanish Literature II

LIBRARY MEDIA STUDIES (LIBR)

LIBR 102 Introduction to Information Resources (1 credit)
This course introduces the use of information resources, especially at the Maxwell Library, in order to attain an ability to work with the research tools and to know the services which are available. Either semester

May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
Course Descriptions

LIBR 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FY S) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

LIBR 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: _199: Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _299 is taken for credit._
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LIBR 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: _199: Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _299 is taken for credit._
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

LIBR 420 Literature for Young Adults (3 credits)
Survey of literature and audiovisual materials for adolescents. Includes applicable principles of adolescent psychology, a brief history of the development of this literature, criteria and aids for selection, techniques in motivation and reading guidance and skills in reading, listening and viewing. Designed for teachers, librarians and media specialists working with junior and senior high school students.

Other Approved Courses:
LIBR 410 Children's Literature
LIBR 453 Sharing Literature with Children
LIBR 501 Administration of the Library Media Center I
LIBR 502 Research
LIBR 503 Directed Study
LIBR 505 Integrating Literature Across the Curriculum
LIBR 510 Reference and Information Resources
LIBR 513 Special Topics
LIBR 515 Cataloging and Classification
LIBR 520 Collection Development
LIBR 525 Online and Optical Information Retrieval
LIBR 530 Administration of the Library Media Center II
LIBR 540 Current Technology for Library Media Centers
LIBR 541 Technology Applications in Library Programming
LIBR 546 The Internet for School Library Media Specialists I
LIBR 548 Advanced Cataloging and Classification
LIBR 549 Multimedia for School Library Media Specialists
LIBR 553 Foundations of Library and Information Science
LIBR 558 Advanced Studies in Literature for Children and Young People
LIBR 559 Advanced Reference I
LIBR 560 Advanced Reference II
LIBR 566 Automating the School Library Media Center
LIBR 569 The Book Arts
LIBR 576 Research Problems in Library Literature
LIBR 590 Seminar on Librarianship
LIBR 594 Internship
LIBR 595 Professional Practicum
LIBR 596 Clinical Experience

MATHEMATICS (MATC, MATH)

MATC 560 Topics in Mathematics for Teachers (1-3 credits)
Prerequisite: May be specified depending on the nature of the topic
Special topics of relevance to mathematics teachers will be offered from time to time. The topics to be offered will be content focused and directly related to the strands of the Massachusetts Curriculum Framework, as they pertain to mathematics teachers. This course may be repeated for different topics. This course is not part of the MAT in Mathematics.

MATH 100 Precalculus Mathematics (3 credits)
Prerequisite: Mathematics placement test
This course provides a review of algebraic fundamentals (exponents, logarithms, linear and quadratic equations) and a study of functions of various types (polynomial, rational, transcendental). Either semester (CMAR)

MATH 105 Selected Topics in Mathematics (3 credits)
Prerequisite: Mathematics placement test
The nature and process of mathematical thinking (inductive, deductive, and algorithmic), as well as applications and results, are the underlying components of this course.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Possible topics to be explored include sets, logic, number theory, geometry, graph theory and probability. A selection of three or more such topics will be offered each semester. Either semester (CMAR)

MATH 107 Principles of Mathematics I (3 credits)
Prerequisite: Mathematics placement test
Topics include problem solving; numeric and non-numeric patterns; set theory and applications; systems of numeration; elementary number theory, and properties of our number systems from integers to reals. Offered yearly (CMAR)

MATH 108 Principles of Mathematics II (3 credits)
Prerequisite: MATH 107
Topics include functions and relations; elementary probability; an introduction to data analysis and statistics; two and three dimensional geometry; and measurement. (CMAR)

MATH 110 Elementary Statistics I (3 credits)
Prerequisite: Mathematics placement test
Measure of central tendency and variability; elementary probability; binomial, normal and t distributions; hypothesis testing and confidence intervals. Either semester (CMAR)

MATH 120 Introduction to Linear Algebra (3 credits)
Prerequisite: Mathematics placement test
Topics include algebra and geometry of vectors in R^n, linear equations, matrices, determinants, basis and dimension, and the use of homogenous coordinates for the matrix representation of linear and geometric transformations and their compositions. Fall semester (CMAR)

MATH 130 Discrete Mathematics I (3 credits)
Prerequisite: Mathematics placement test
This course provides some of the mathematical background necessary for computer science. Topics include combinations and discrete probability, discrete functions and graph theory. Spring semester (CMAR)

MATH 135-136 Freshman Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Mathematics allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. MATH 135 fall semester, MATH 136 spring semester

MATH 141 Elements of Calculus I (3 credits)
Prerequisite: MATH 100 or a Mathematics placement test
This course introduces the student to the main concepts, methods, and techniques of differential calculus. Emphasis is on how these arise from problems in several areas, rather than from a rigorous development of the theory. A principal objective of this course is to illustrate how mathematically is used to model physical reality, and how such a mathematical model facilitates the solution of problems. This course does not satisfy mathematics major requirement. Credit cannot be given for both MATH 141 and MATH 144. Either semester (CMAR)

MATH 142 Elements of Calculus II (3 credits)
Prerequisite: MATH 141
The topics include the integral and its applications as well as multivariable calculus. Additional topics are selected from: differential equations, Taylor series and probability distributions. This course does not satisfy mathematics major requirements. Either semester (CMAR)

MATH 144 Applied Calculus for Business (3 credits)
Prerequisite: MATH 100 or mathematics placement test
This is a one semester course in applied differential and integral calculus with emphasis on business applications. Topics to be covered include derivatives of algebraic, logarithmic and exponential functions, optimization problems, antiderivatives and the fundamental theorem of calculus, techniques of integration, functions of several variables and partial derivatives. This course does not satisfy mathematics major requirements. Credit is not given for both MATH 144 and MATH 141. (CMAR)

MATH 151 Calculus I (3 credits)
Prerequisite: MATH 100 or a Mathematics placement test
This course introduces the student to a rigorous development of the differential calculus. Emphasis is on the development of the concepts of calculus as typical of a cohesive mathematical theory. Fall semester (CMAR)

MATH 152 Calculus II (3 credits)
Prerequisite: MATH 151
This course is an intensive study of the integral and its applications, transcendental functions, conic sections, and additional techniques of integration. Spring semester (CMAR)

MATH 180 Transition to Advanced Mathematics (3 credits)
Prerequisite: MATH 151, which may be taken concurrently.
This course is an introduction to formal mathematics and provides a transition from computation based mathematics to the more theoretical approach used in advanced mathematics courses. Topics covered include mathematical logic, set theory, concepts of relation, function and cardinality, and the design and structure of axioms and axiomatic systems are discussed. A large emphasis is placed on reading, analyzing and learning to produce proofs of mathematical statements. (CLOR)

MATH 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics.
Course Descriptions

MATH 200 Probability and Statistics (3 credits)
Prerequisite: MATH 142 or MATH 152
Permutations and combinations; types of events, conditional probability, elementary probability distributions, elementary cumulative distributions, mathematical expectation, measures of central tendency, variance and standard deviation, normal distributions. Additional statistics topics as time allows.

MATH 202 Linear Algebra (4 credits)
Prerequisite: MATH 142 or MATH 152
Vector spaces, linear transformations, matrices, systems of linear equations, and determinants. Spring semester

MATH 214 Introduction to Modern Algebra (3 credits)
Prerequisite: MATH 105 or MATH 100 or MATH 107 or consent of the department
Linear congruencies, groups, matrices, and linear systems. Offered alternate years, fall semester

MATH 251 Calculus III (3 credits)
Prerequisite: MATH 152
This course covers infinite sequences and series and multivariable calculus including partial differentiation, directional derivatives, max/min theory, and multiple integration. Fall semester

MATH 252 Calculus IV (3 credits)
Prerequisite: MATH 251
This course covers, with an emphasis on techniques, the topics: vector differentiation and integration, line integrals and Green's theorem. This course also includes a rigorous reexamination of the calculus topics of limits, continuity, differentiability, and integrability.

MATH 286-287 Sophomore Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Sophomore Honors Colloquia in Mathematics allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. MATH 286 fall semester, MATH 287 spring semester

MATH 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

MATH 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

MATH 301 Abstract Algebra I (3 credits)
Prerequisite: MATH 202
Study of relations, functions, and binary operations. Introduction to the theory of rings, integral domains and fields through a study of integers, rational numbers, real numbers, complex numbers and polynomials, elementary group theory. Fall semester

MATH 302 Abstract Algebra II (3 credits)
Prerequisite: MATH 301
Group theory, linear groups, rings and ideals, extensions of rings and fields.

MATH 303 Number Theory (3 credits)
Prerequisite: MATH 202 or consent of the department
Development of the number system, the Euclidean Algorithm and its consequences, theory of congruences, number-theoretic functions, Diophantine equations, quadratic residues.

MATH 316 Differential Equations (3 credits)
Prerequisite: MATH 251
Ordinary differential equations of first and second order, linear differential equations with constant coefficients, the Laplace transformation, applications.

MATH 318 Quantitative Methods for Management (3 credits)
Prerequisite: MATH 142 or MATH 152; MATH 110 or equivalent
Selected mathematical tools and techniques for analysis of business and economic problems as an aid to decision-making in management. Models and applications related to decision theory, linear programming, inventory, queueing, forecasting and other standard qualitative concepts. Either semester
Course Descriptions

MATH 325 Foundations of Geometry (3 credits)
Prerequisite: MATH 202
In this course, students will broaden their understanding of Euclidean Geometry; study finite geometries, geometric transformations and non-Euclidean geometries; write geometric proofs; construction problems; and apply geometric concepts to real-world situations. Either semester

MATH 326 Projective Geometry (3 credits)
Prerequisite: MATH 120 or consent of the department
A synthetic and analytic study of the axioms and properties of the projective plane; the projective group of transformations, its subgeometries and their invariant properties.

MATH 330 Discrete Mathematics II (3 credits)
Prerequisite: MATH 130, COMP 102
Course topics will include formal logic, automata and formal languages, and an introduction to the analysis of algorithms. Either semester

MATH 338-339 Honors Tutorial (3 credits each semester)
Prerequisite: Consent of the department
Special topics in mathematics. Open to Commonwealth and Departmental Honors students. Three hourly meetings weekly. MATH 338 Fall semester, MATH 339 Spring semester

MATH 340 Graph Theory (3 credits)
Prerequisite: MATH 202 or consent of the instructor
This course introduces the basic definitions, concepts, topics and theorems of graph theory including the structure, connectivity and vulnerability of graphs. A wide range of examples such as the traveling salesperson problems, Dijkstra's algorithm, Huffman codes, and Fleury's algorithm will also be examined.

MATH 345 Combinatorics (3 credits)
Prerequisite: MATH 202 or consent of the instructor
Methods examined in this course are permutations, combinations, the sum and product rules, ordered and unordered selection with or without repetition, identical and distinct ranges, the pigeonhole principle, binomial coefficients, inclusion/exclusion, derangements, partitions, recurrence relations, generating functions and Ramsey theory. Special topics may include Latin squares, graph theory, network flows, coding theory, designs, Ploya counting, partially ordered sets and lattices.

MATH 349 Foundations of Mathematics (3 credits)
Prerequisite: MATH 202
The course axiomatically develops the number systems as algebraic structures starting with the construction of the natural numbers using the Peano postulates and continuing to the ordered integral domain of integers, the ordered field of rationals, and the complete ordered field of real numbers by using Cauchy sequences.

MATH 399 Topics in Advanced Mathematics (3 credits)
Special topics selected from the general areas of algebra, analysis, and applied mathematics. This course may be repeated for different topics.

MATH 401 Introduction to Analysis I (3 credits)
Prerequisite: MATH 202 and MATH 252
Logic and proof techniques are followed by basic theorems on the topology of real numbers, compactness, limits, sequences, continuity and differentiability. Spring semester

MATH 403 Probability Theory (3 credits)
Prerequisite: MATH 251
All elementary probability topics: permutations and combinations, types of events, conditional probability, Bayes' Theorem and so on. A calculus approach to probability distribution and cumulative distributions, moment and moment generating functions.

MATH 408 History of Mathematics (3 credits)
Prerequisite: MATH 202 and MATH 252
A historical development of Mathematics from ancient time to the Middle Ages (c. 3500 B.C. to c. 1400 A.D.). Some of the topics covered include Egyptian Babylonian, and Mayan Numeration Systems; Greek mathematics, including the Pythagorean, Platonic, and Alexandrian schools; Oriental contribution, and the Arabic Hegemony; and principal mathematicians of the European Middle Ages, including Alcuin, Fibonacci, and Oresme.

MATH 415 Numerical Analysis (3 credits)
Prerequisite: MATH 251

MATH 416 Applied Mathematics (3 credits)
Prerequisite: MATH 251
Fourier analysis, solutions of partial differential equations, special functions, and line and surface integrals.

MATH/COMP 460 Introduction to Robotics (3 credits)
Prerequisite: COMP 330
An introduction to the theory of the motion of robot manipulators, along with the mathematics, programming and control of manipulators will be emphasized. Also examined will be issues of sensing and planning.

MATH 485 Honors Thesis (3 credits)
This course is open to Commonwealth and Departmental Honors students. One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester

MATH 490 Mathematics Seminar (3 credits)
Prerequisite: MATH 251, MATH 202 and MATH 301 or consent of the department
Topics to be selected from algebra, geometry and analysis. May be offered as a quarter or semester course.

†May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
Course Descriptions

MATH 499 Directed Study in Mathematics
(1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

MATH 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

MATH 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

MATH 507 Topology (3 credits)
Prerequisite: MATH 251 and MATH 301 or equivalent, and admission to the MAT in Mathematics program or consent of the instructor
Elements of point set topology, closed sets and open sets in metric spaces, continuous mappings, connection, separation theorems, and compactness.

MATH 508 History of Mathematics (3 credits)
Prerequisite: Admission to the MAT in Mathematics program or consent of the instructor
A historical development of Mathematics from ancient time to the Middle Ages (c. 3500 B.C. to c. 1400 A.D.). Some of the topics covered include Egyptian, Babylonian, and Mayan Numerator Systems; Greek mathematics, including the Pythagorean, Platonics, and Alexandrian schools; Asian contributions, and the Arabic hegemony; and principal mathematicians of the European Middle Ages, including Alcuin, Fibonacci, and Oresme. Students will be required to complete two projects that will culminate in formal presentations.

MATH 510 Group Theory (3 credits)
Prerequisite: MATH 301 or equivalent; and admission to the MAT in Mathematics program
Groups, subgroups, homomorphisms, normal subgroups and quotient groups, generators, normal structure and the Jordan-Holden Theorem, direct products of groups.

MATH 511 Ring Theory (3 credits)
Prerequisite: MATH 301 or equivalent; and admission to the MAT in Mathematics program or consent of instructor
Examples of rings, ideals and homomorphisms, the Jacobson radical, direct sums, Boolean rings, rings with chain conditions.

MATH 518 Topics in Analysis (3 credits)
Prerequisite: MATH 202 and MATH 252; and admission to the MAT in Mathematics program or consent of the instructor
The course consists of a detailed discussion of limits, continuity, and applications of differential and integral calculus, and the real number system. Group and/or individual projects will be required as part of the course. This course is designed to provide graduate level mathematics education students with an introduction to analysis, appropriate to the needs of secondary school mathematics teachers.

MATH 520 Real Analysis (3 credits)
Prerequisite: MATH 401 and admission to the MAT in Mathematics program or consent of the instructor
Sets and functions, sequences and series, metric spaces, Weierstrass Approximation Theorem, Riemann and Lebesgue Integrals, Fourier Series.

MATH 522 Complex Analysis (3 credits)
Prerequisite: MATH 401 and admission to the MAT in Mathematics program or consent of the instructor
Analytic functions of a complex variable, differentiation and integration in the complex plane. Cauchy’s theorems, infinite series, Laurent expansions, theory of residues.

MATH 525 Mathematics in Science (3 credits)
Prerequisite: High school/middle school teacher of mathematics or science; and admission to the MAT in Mathematics program or consent of the instructor
This course contains the mathematical background necessary for a variety of science applications. Topics include linear algebra, statistics, discrete mathematics, geometry, calculus and numerical analysis as well as computer software to enhance their application to problem solving in science.

MATH 551 Topics in Finite Mathematics (3 credits)
Prerequisite: Admission to the MAT in Mathematics program or consent of the instructor
This course is designed for teachers of mathematics, and will extend and enrich the topics of finite mathematics. Possible topics include: sets, logic, probability, statistics, combinatorics, and graph theory.

MATH 552 Topics in Analytic Geometry (3 credits)
Prerequisite: Admission to the MAT in Mathematics program or consent of the instructor
Properties, definitions and applications of conic sections will be studied. Vectors, polar coordinates and calculus will be used to enhance the presentation and to develop formulas for tangent lines, areas and volumes. Translation and rotation of axis and invariants under translation will be covered. Quadric surfaces and their graphs along with homogeneous coordinates will be discussed.

MATH 555 Topics in Geometry (3 credits)
Prerequisite: Admission to the MAT in Mathematics program or consent of the instructor
This course employs classical and modern tools to explore topics that extend and enrich the standard high school geometry curriculum. Possible topics include transformations, tessellations, non-Euclidean geometries and fractals.

MATH 582 Topics in Problem Solving Using Technology (3 credits)
Prerequisite: Admission to the MAT in Mathematics program or consent of the instructor
This course will include an in-depth study of problem solving techniques in mathematics using technology. Application problems will include topics from physical and social sciences.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
MEDIA (MEDI)

MEDI 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

MEDI 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: MEDI 199; Open to all sophomores and juniors who have completed ENGL 101 and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if MGT 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and practice that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MEDI 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: MEDI 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if MGT 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MANAGEMENT (MGMT)

MGMT 130 Principles of Management (3 credits)
The principles and techniques underlying the successful organization and management of business activities. This course combines the traditional analysis of management principles with the behavioral approach to case studies. The study includes the management functions of planning, organizing, leadership, staffing control and the decision-making process.

Note: MGMT 130 is prerequisite to all other Management courses.

MGMT 135-136 Freshman Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor; MGMT 130
Freshman Honors Colloquia in Management allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. MGMT 135 Fall semester, MGMT 136 Spring semester

MGMT 140 Human Resources Management (3 credits)
Prerequisite: MGMT 130
A study of the staffing, compensation systems, individual and group behavior, employee development and human resource management systems. Either semester

MGMT 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

MGMT 200 Marketing Principles (3 credits)
Prerequisite: MGMT 130; and ECON 101 or ECON 102 or consent of the department
Develops students' understanding of the marketing function of an organization through: a survey of the history of marketing from its inception as distribution through the modern marketing concept; in-depth study of the elements of the marketing mix (product, price, place and promotion); impact of external legal, political, sociological and technological forces upon the marketing manager;
Course Descriptions

and the structure and placement of the marketing organization presented through lecture, case study and projects.

MGMT 286-287 Sophomore Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor; MGMT 130
Sophomore Honors Colloquia in Management Science allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester, MGMT 286 fall semester, MGMT 287 spring semester.

MGMT 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MGMT 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MGMT 303 Organizational Behavior (3 credits)
Prerequisite: MGMT 130
This course introduces students to fundamental concepts and behavioral skills in such areas as leadership, communication, group dynamics, motivation, and decision-making. Emphasis will be placed upon skill development enabling the student to function in professional and managerial roles in work organizations.

MGMT 325 Marketing and Sales Promotion: Industrial and Service Sector (3 credits)
Prerequisite: MGMT 130, MGMT 200, COMM 130
This upper-level elective course is for students who wish to develop promotional skills in a variety of specialized areas. Actual organizational case problems will be addressed. Projects will provide experience in all aspects of promotion with exposure to campaign proposals, incentives, trade show preparation and implementation, personal selling of services, media choice and related preparation. Students will have the opportunity for hands-on experience with trade shows, professional journal advertising, community relation's work and media personnel.

MGMT 340 Labor Relations (3 credits)
Prerequisite: MGMT 130, MGMT 140
The course examines the background, philosophy and structure of collective bargaining. Emphasis is placed upon the processes of negotiations and administration of labor agreements. Case analysis dealing with problems involving unions, employers and governments are reviewed and analyzed. Either semester.

MGMT 360 Fundamentals of Information Systems (3 credits)
Prerequisite: MGMT 130 and COMP 105 or COMP 101
This course is an introduction to data processing from manual systems to computers, recent developments in the field, the equipment involved, how the equipment is used, how it operates and the application of data processing systems will be covered. The course will aid students in applying the capabilities of the computer to their fields of study.

MGMT 375 Personnel Development (3 credits)
Prerequisite: MGMT 130, MGMT 140
The course introduces the student to the concepts of industrial and service training and will focus on the skills needed to perform the four roles of the training and development function: administrator, consultant, designer of learning experiences and instructor.

MGMT 380 Decision Support Systems (3 credits)
Prerequisite: MGMT 130, MGMT 360
An analysis of the highest level of information support systems, which serve the manager user. Theoretical concepts will be applied to applications.

MGMT 399 Special Topics in Management (3 credits)
Prerequisite: MGMT 130
Special topics will be offered in business, management and allied subjects. This course may be repeated for different topics.

MGMT 410 International Marketing and Physical Distribution (3 credits)
Prerequisite: MGMT 130 and MGMT 200
An examination of the concepts and practices of marketing management in the international, multinational and global settings, including all aspects of product distribution and control.

†May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

MGMT 415 Retail Management (3 credits\(^t\))
Prerequisite: MGMT 130 and MGMT 200
An analysis of retail principles with emphasis on organization, consumer demand, store layout, buying merchandise, control and turnover of stock and retail sales promotion. The case method is utilized. Spring semester

MGMT 420 Marketing Research (3 credits\(^t\))
Prerequisite: MGMT 130, MGMT 200, MATH 110
An examination of the market research process used in approaching contemporary marketing problems. Emphasis is placed on the current status of research techniques and their applications. Spring semester

MGMT 424 Advertising (3 credits\(^t\))
Prerequisite: MGMT 130 and MGMT 200
A comprehensive survey of advertising and its applications in business and society. Among the topics considered are an historical survey of advertising, regulation of advertising, buyer behavior, advertising agencies, advertising media, copy and campaign management. Fall semester

MGMT 425 Operations Management (3 credits\(^t\))
Prerequisite: MGMT 130 and MATH 318
This course acquaints the student with the basic principles and methods of production and service management and control as well as the qualitative and quantitative approaches to problem solving in the production management area.

MGMT 430 Sales Management (3 credits\(^t\))
Prerequisite: MGMT 130 and MGMT 200
Sales programs must be formulated and then implemented. In this age of accelerating product and service complexity, this course will deal with the sales manager who must understand the importance of these major responsibilities. Fall semester

MGMT 435 Small Business Management (3 credits\(^t\))
Prerequisite: MGMT 130 and MGMT 240
This course provides the student with an understanding of the unique characteristics required of the successful small business entrepreneur and the specifics relative to the start-up, financing and management of a small business.

MGMT 440 Business to Business Marketing (3 credits\(^t\))
Prerequisite: MGMT 130, MGMT 200
This course provides a study of contemporary market strategy techniques in business organizations. Emphasis is placed on the case approach where students are provided an opportunity to develop strategies in response to given market opportunities and competitive behavior.

MGMT 445 Information Systems Management (3 credits\(^t\))
Prerequisite: MGMT 130, MGMT 360
A course designed to equip students as future users of information systems. It deals with systems issues and management of the computer resource. It assumes only minimal technical background and prepares the student to make decisions on the acquisition of equipment, system analysis and related topics. Fall semester

MGMT 450 Current Topics in Information Systems (3 credits\(^t\))
Prerequisite: MGMT 130 and consent of the department
The content of this course varies. It is intended to introduce the student to significant topics, which are not normally offered as separate courses. Spring semester

MGMT 460 Public Policy and Government Regulation in Global Management (3 credits\(^t\))
Prerequisite: MGMT 130, MGMT 140, ACFI 305
The increasing globalization of business raises new concerns for corporate management. To operate successfully in this new environment, management needs to have a thorough understanding of the public policy, government regulations and ethical considerations that apply throughout the industrialized world. This course addresses those areas of concern. Spring semester

MGMT 470 Materials Management (3 credits\(^t\))
Prerequisite: MGMT 130 and MGMT 425 or consent of the instructor
All aspects of materials management, focusing on supply chain including: procurement, material requirements planning, capacity, requirements planning, forecasting and inventory management, as applied in both manufacturing and non-manufacturing business environments, are presented for analysis and discussion. Spring semester

MGMT 475 Statistical Process Control (3 credits\(^t\))
Prerequisite: MGMT 130, MGMT 425
The application of statistical methods to the control of product quality and process efficiency is increasingly important in both product manufacturing and in the service industries. Statistical lot sampling plans, statistical process control limits and the collection and evaluation of process performance data are presented in this course. Fall semester

MGMT 480 Systems Analysis and Design (3 credits\(^t\))
Prerequisite: MGMT 130 and MGMT 360 and MGMT 445
This course introduces students to systems analysis and the use of quantitative models and the computer in solving managerial problems in a variety of functional areas. Students study systems and models and the stages of a systems-analysis approach and provides an overview of systems applications at functional areas and computer techniques for systems, implementation in finance, operations and marketing. Fall semester

MGMT 485 Honors Thesis (3 credits)
This course is open to Commonwealth and Departmental Honors students. One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the departmental honors committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project.

MGMT 490 Strategic Management (3 credits\(^t\))
Prerequisite: Open to all management seniors in the final semester of the program
This capstone course integrates the knowledge learned in the business courses along with application to the basic concepts and models of strategic management and leadership to solve actual business problems. Case studies

\(^{t}\)May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
and/or projects are the primary pedagogical methods used to demonstrate knowledge and application of the concepts and models.

MGMT 494 Marketing Management and Strategy
(3 credits)
Prerequisite: Open to all management seniors in the final semester of the program, MGMT 200 plus MGMT 415 or MGMT 424; and MGMT 420 or MGMT 430
Teaches the principles of formulating a marketing program. The course demonstrates how and why marketing programs are affected by the marketing forces that bear on the firm while remaining consistent with the needs of the target market segment. Spring semester

MGMT 498 Internship in Management (3-15 credits)
Prerequisite: Consent of the department chairperson; formal application required
A non-classroom experience designed for a limited number of junior and senior majors to complement their academic preparation. Graded on a satisfactory/unsatisfactory basis.

MGMT 499 Directed Study in Management (1-3 credits)
Prerequisite: Consent of the department chairperson; formal application required
Open to junior and senior majors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

MGMT 501 Systems Research and Problem Solving
(3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course explores both quantitative and qualitative methods for conducting systems research and solving systems problems. Systems thinking offers an approach to formulating complex managerial problems and implementing solutions, particularly problems with both technological and social elements. Students conduct projects, developing skills in proposal preparation, report writing, and oral presentation of results.

MGMT 503 Directed Study (credit to be arranged)
Prerequisite: ACFI 505, MGMT 506; consent of the department and formal application required
This course is designed for graduate students who desire to study selected topics in the field of management. For details, please refer to the "Independent Study" paragraph in the "School of Graduate" Studies section of this catalog. This course may be repeated.

MGMT 506 Marketing and Contract Management
(3 credits)
Through an exploration of current issues in management, this course reinforces the concepts and vocabulary of management. Special attention is given to contracts, liability and marketing management. Students research issues in such areas as business ethics, international management, entrepreneurship, employment law, intellectual property, and marketing trends. Credit cannot be applied toward a graduate degree program.

MGMT 510 International Marketing (3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course examines the concepts and practices of marketing in international and multinational settings, including all aspects of product distribution and control. The impact of the Internet and electronic business provides a special focus. Students conduct research projects.

MGMT 526 Project Management (3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course presents a unified framework for managing multi-disciplinary and cross-functional project teams. Students learn about systems for contract and cost management, and for controlling project schedules, budgets, and quality. The management of people as sources of knowledge and creativity provides a special emphasis. Students work in teams to prepare complete project plans.

MGMT 527 Product Development Processes (3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course examines the entire life cycle of a new product or service. Students study concepts, tools, and systems for supporting the concurrent management of new business prospects, including the financing, engineering, marketing, producing, distributing, staffing, and other aspects of managing necessary to bring an idea to market. A project, culminating in a business plan, reinforces the importance of process and systems thinking.

MGMT 528 Quality and Risk Management (3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course evaluates various approaches, both technical and behavioral, for managing quality and risk. Students study the tools of quality and risk management in the context of the organizational systems in which they get embedded. Case studies and in-class exercises demonstrate the advantages and disadvantages of these approaches.

MGMT 540 Industrial Marketing (3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
Students study contemporary market strategy techniques in industrial companies. Case studies provide students with an opportunity to develop strategies in response to given market opportunities and competitive behaviors.

MGMT 554 Issues in Global E-Commerce (3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course explores how the Internet affects product and service costs, customer response times, and quality across a variety of industries. Students research modern e-business models in relation to both business strategy and the broader societal impacts of these new organizational forms.

*May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
<table>
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<tr>
<th>Course Description</th>
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<tbody>
<tr>
<td><strong>MGMT 561 Environmental Management (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This course covers environmental laws and regulations as they apply to industrial organizations. Students explore the relationships between technology, community development, and the long-term sustainability of natural resources. Special topics include ISO 14000 standards, the role of private industry in developing new technology, and the responsibilities of both business and government in a global economy.</td>
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<tr>
<td><strong>MGMT 562 Strategic Management of Technological Innovation (Capstone – 3 credits)</strong></td>
</tr>
<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This capstone course employs extensive case analyses to explore alternative strategies for the management of new technology. Students develop a systems and process perspective through research on emerging approaches to strategic management, including business process reengineering, organizational learning, sustainability, concurrent engineering, supply chain management, self-directed teams, among others.</td>
</tr>
<tr>
<td><strong>MGMT 571 Organizational Culture and Work Force Diversity (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This course uses knowledge about different cultures, cross-cultural types, industries, and nations, to develop an understanding of how diverse members of an organization can work together toward shared values, while still maintaining their individual identities. Students study a variety of culture-dependent approaches to time, space, language, and workplace practices. The management of work force diversity as a valuable resource for organizational creativity and knowledge-building provides a special emphasis.</td>
</tr>
<tr>
<td><strong>MGMT 572 Interpersonal and Group Behavior (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This course prepares students to participate as effective group members and to act as successful group leaders in workplace project teams. Students study the set of skills that professionals and managers need to meet the challenges posed by trends toward organizational decentralization, functional integration, use of cross-functional project teams, and work force diversity. Theories of interpersonal and group behavior offer students the opportunity to assess individual skills and to experiment with new skills.</td>
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<tr>
<td><strong>MGMT 576 Organizational Change and Leadership (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This course examines the impact of leadership on the organizational change process within a variety of work settings. New leadership styles and practices emerging in the context of cross-functional structures, joint ventures, and project-based organizations provide a special emphasis. Through both in-class exercises and group projects, students learn about approaches to change management and develop awareness of their leadership attributes.</td>
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<tr>
<td><strong>MGMT 577 Power and Influence in Organizations (3 credits)</strong></td>
</tr>
<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This course explores the nature, practice, and effects of power and influence in work organizations. Students study classical and contemporary ideas on leadership to understand how the concepts and practices of power and influence are changing. Cases and simulations demonstrate methods for the effective and ethical exercise of power and influence in organizational units, on project teams, and within the organizational culture as a whole.</td>
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<tr>
<td><strong>MGMT 578 Organizational Development (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<td>This course explores current topics in organizational development and change, including the practical and ethical issues arising in the context of multinational organizations and the conduct or international business. Guest speakers augment student presentations and seminar discussions.</td>
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<tr>
<td><strong>MGMT 581 Information Resources Management (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>Students study the technology, systems, and processes that allow organizations to manage information and knowledge as valuable resources. Topics include the conceptualization of data, including data structures, data modeling, and data administration, and the selection of a database environment. The role of information systems in both the routine conduct of business and long-term strategic planning provide a special emphasis.</td>
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<tr>
<td><strong>MGMT 582 Business System Design and Integration (3 credits)</strong></td>
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<tr>
<td>Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385</td>
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<tr>
<td>This course introduces fundamental concepts of data communications, networking, and decision support systems. Included are topics such as processing quantitative and qualitative information, systems analysis and design, technical aspects of data transmission, network architecture, and implications for management.</td>
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<tr>
<td><strong>MGMT 590 Management Systems Seminar (3 credits)</strong></td>
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<tr>
<td>Prerequisite: Taken in the final semester of the MS program; MGMT 501 and MGMT 526 and MGMT 576 and MGMT 581 and MGMT 582 and 9 additional credit hours of MS course requirements</td>
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<tr>
<td>Students will demonstrate and utilize their knowledge through a practical in-depth analysis of a management system. Working with a client organization, students will ensure that their analyses integrate strategic systems, information systems, and management systems to facilitate organizational change.</td>
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</table>

**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.

**Note:** See Catalog Web Addenda at www.bridge.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

MGMT 594 Marketing Management and Strategy
(3 credits)
Prerequisite: MATH 110 or ECON 210; and MGMT 506; or MGMT 200 and ACFI 305; and ACFI 505; or ACFI 240 and ACFI 241 and ACFI 385
This course integrates the formulation of a marketing program with an organization's overall business strategy. Students learn how and why social, economic, and political forces affect the selection and success of a marketing program, and ways in which a business firm can continue to meet the needs of its market segments in the context of these forces.

MIDDLE SCHOOL (MSED)
(ALSO SEE EDHM)

MSED 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

MSED 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MSED 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 298 is taken for credit.
†May be taken for graduate level credit

Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MSED ___ Strategies of Teaching in the Middle School (3 credits)
Prerequisite: Admission to the Professional Education Program
Prerequisite for MSED 465: EDHM 210, EDHM 235 and EDHM 335 and admission to the Professional Education Program
Strategies, including methods, materials and media, for teaching particular disciplines are studied. Developing competency and versatility is stressed through simulations and guided teaching in area schools. A student registers for the course appropriate to his major according to the following schedule:

MSED 450 History/Political
MSED 451 English Science
MSED 456 Mathematics
MSED 465 Integrated Science

MSED 499 Directed Study in Middle School Education
(1-6 credits)
Prerequisite: Consent of the department; formal application required
This course is open to juniors, seniors and postbaccalaureate students who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. It may be taken twice for a maximum of six credits. The adviser's permission is required.

MSED 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

Other Approved Courses:
MSED 502 Research

MUSIC (MUSC)

MUSC 109 Beginning African Drumming Ensemble (1 credit)
This course will introduce students to some of the intrinsic elements of African music through the process of actual music making within an ensemble setting. Designed for beginners with no musical or drumming background, this course will give students a firm foundation in African drumming and in the performance of repertoire from the West African countries of Guinea, Senegal, and Mali. This

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
course may be repeated. Music majors may only take the course twice for credit toward major requirements.

†MUSC 111 Marching Band (1 credit)
The marching band is open to all students. The band presents exciting contemporary music at home football games and other selected events. Band camp meets a week before classes to learn drills, distribute uniforms, and administer other musical and organizational matters. Band rehearses two days per week during fall semester.

†MUSC 112 Wind Ensemble (1 credit)
The wind ensemble is open to any student who plays a woodwind, brass, or percussion instrument. The wind ensemble performs significant literature, which is selected to stimulate both the musicians and the audience. The course may be repeated for credit. Either semester

†MUSC 113 Jazz Band (1 credit)
Prerequisite: Audition
The jazz band is open by audition on the first Thursday of the fall semester and limited to twenty musicians who wish to perform in the big band style. Performances provide the student with an opportunity to apply musical skills acquired through practice and rehearsal. The course may be repeated for credit. Either semester

†MUSC 115 Instrumental Ensemble (1 credit)
A mixed group of instrumentalists that studies and performs appropriate works. Ensembles formed as interest indicates. The course may be repeated for credit. Either semester

†MUSC 118 Chorale (1 credit)
A group of mixed voices which studies and performs compositions representative of various styles, periods, and cultures. Performances presented throughout the academic year often include major works with orchestral accompaniment. The course may be repeated for credit. Graded on a (P) Pass/ (N) No Pass basis. Either semester

†MUSC 119 Vocal Ensemble (1 credit)
Prerequisite: Concurrent enrollment in MUSC 118 and audition
A select group of mixed voices which studies and performs chamber vocal music representative of various styles, periods and cultures. This a cappella ensemble represents the college both in the United States and abroad. The course may be repeated for credit. Graded on a (P) Pass/(N) No Pass basis. Either semester

MUSC 120 Class Guitar I (Classical Guitar) (3 credits)
This course is an introduction to the fundamentals of classical guitar playing for those with or without prior experience. Through the performance of classical music, folk songs, American spirituals and pop melodies, the beginning guitar student will learn to read music, grasp basic theory, understand terminology and identify the different stylistic periods in music. Either semester (CFPA)

MUSC 121, 221, 321, 421 Performance Studies I, II, III, IV (Private Lessons - Brass) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
†Performance Studies at the 400 level may be taken for graduate level credit

The sequence provides private instruction for those students who wish to improve their proficiency in playing brass instruments. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 122, 222, 322, 422 Performance Studies I, II, III, IV (Private Lessons - Percussion) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their proficiency in playing percussion instruments. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 123, 223, 323, 423 Performance Studies I, II, III, IV (Private Lessons - Violin, Viola) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their proficiency in playing upper string instruments. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 124, 224, 324, 424 Performance Studies I, II, III, IV (Private Lessons - Woodwinds) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their proficiency in playing woodwind instruments. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 125, 225, 325, 425 Performance Studies I, II, III, IV (Private Lessons - Guitar) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their proficiency in playing the instrument. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 126, 226, 326, 426 Performance Studies I, II, III, IV (Private Lessons - Cello, Bass) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their proficiency in playing lower string instruments. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 130 Voice Class I (3 credits)
Through the performance of songs of different nationalities, the student gains knowledge of basic vocal technique, general musicianship and terminology. Either semester (CFPA)
Course Descriptions

MUSC 131, 231, 331, 431 Performance Studies I, II, III, IV (Private Lessons - Voice - Singing) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their ability in singing. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester (CFPA)

MUSC 140 Class Piano I (3 credits)
Through the performance of compositions by master composers and arrangements of symphonetic literature, folk songs, spirituals, seasonal and patriotic songs, the beginning piano student learns basic piano technique, elementary theory, general musicianship, terminology and the different stylistic periods in music. Either semester (CFPA)

MUSC 141, 241, 341, 441 Performance Studies I, II, III, IV (Private Lessons - Piano) (1 credit)
Prerequisite: Consent of the instructor for 200 level and above only
The sequence provides private instruction for those students who wish to improve their ability at the keyboard. The material is selected according to the ability of the student. The lessons are for a one hour period per week. The course may be repeated for credit. Additional fee required. Either semester

MUSC 150 Classroom Music (3 credits)
An integrated approach to the use of music in the elementary school which serves to enhance the student's knowledge and ability to use music in the classroom. Either semester

MUSC 160 Music: A Listening Approach (3 credits)
This course, designed for students with no previous musical training, explores art music of the Western world and gives the beginner the knowledge and skills necessary for more informed listening. Music surveyed may include symphonies, concerti, songs, operas, and other works, from various historical periods. Either semester (CFPA)

MUSC 162 Music in African Culture (3 credits)
This course surveys the musical traditions of Africa with respect to its historical, social and cultural backgrounds. Musical organizations, instrumental and vocal techniques and important aspects of style are treated. Either semester (CFPA; CGCL)

MUSC 163 Music of the Non-Western World (3 credits)
This course is an introductory survey of selected Non-Western musical traditions including those of Asia, Latin America, Oceania and the Middle East. Topics include song and dance styles, musical instruments, social context and function of performance genres, musical structures, traditional vs. modern styles and aesthetic principles. Either semester (CFPA; CGCL)

MUSC 165 Introduction to Women Composers (3 credits)
This course surveys the contributions of women composers to the Western art music tradition, from the medieval period through the 20th century, with attention to historical and sociological contexts as well as fundamental concepts in art music. (CFPA)

MUSC 166 Survey of American Jazz (3 credits)
This course traces the development of jazz from 1890 to the present, noting its origins, its place in mainstream American music and its influence on other American and European musical styles. Either semester (CFPA; CMCL)

MUSC 168 American Popular Music (3 credits)
This course will study the contemporary trends of American music beginning with the jazz era and continuing through recent decades. It will trace the social and political forces that created and shaped popular music during times of war and crisis. Students will study the elements that make up this music and learn how these styles developed. Students will listen to representative examples of the music of this period with emphasis on the factors that led to its invention. Offered every semester (CFPA)

MUSC 170 Music Fundamentals (3 credits)
A course designed for beginners who wish to develop music literacy. Pitch, rhythm, chords, and major and minor scales are among the topics studied. Evaluations are based on both written work and musical performance. Either semester (CFPA)

#MUSC 183 String Ensemble (1 credit)
The string ensemble is open by audition to all students of the college. The group performs standard and contemporary chamber music selected to showcase the strengths of the ensemble. The course may be repeated for credit. Either semester

MUSC 191 Introduction to Music Technology (3 credits)
Prerequisite: MUSC 170 or consent of the instructor
This introduction to music technology explores the growth and evolution of the field. Students get practical experience with hardware and software, working at a MIDI station with several leading programs.

MUSC 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

MUSC 232 Diction for Singers (3 credits)
Prerequisite: MUSC 130 or consent of the instructor
This course instructs singers to produce clear, intelligible diction while maintaining a melodic line and correct intonation in standard English, Italian/Latin, French, and German vocal repertory. The foreign language being used by the choral or chamber singers may be included as an area of study.

†Performance Studies at the 400 level may be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

MUSC 240 Class Piano II (3 credits)
Prerequisite: MUSC 140 or consent of the instructor
The continuation of Class Piano I presents a detailed study of works from the Baroque to the Contemporary periods. The student gains facility in the art of phrasing, use of dynamics and attention to tempo. Spring semester (CFPA)

MUSC 270 Sight-Singing and Ear-Training I (3 credits)
Prerequisite: MUSC 191 and concurrent enrollment in MUSC 271
This course enhances the student's aural skills, developing the understanding of musical notation through exercises in sight-reading and musical dictation.

MUSC 271 Music Theory I (3 credits)
Prerequisite: MUSC 191 and concurrent enrollment in MUSC 270
Beginning harmony and counterpoint: writing in small forms and chorale harmonization, written exercises, ear training and keyboard work. Spring semester (Formerly MUSC 171)

MUSC 272 Sight-Singing and Ear-Training II (3 credits)
Prerequisite: MUSC 270 and concurrent enrollment in MUSC 273
The continuation of MUSC 270. Students achieve a high level of fluency by reading graded advanced unison, two-, three-, and four-part studies, as well as combined rhythmic and melodic dictation, and one- and two-part rhythmic exercises for aural proficiency. (Formerly MUSC 370)

MUSC 273 Music Theory II (3 credits)
Prerequisite: MUSC 271 and concurrent enrollment in MUSC 272
A continuing technical course in the study of 18th and 19th century harmony. Topics studied include seventh chords through chords of the augmented sixth, figured bass, analysis, harmonization of melody, and counterpoint. Fall semester (Formerly MUSC 172)

MUSC 281 Music History I (3 credits)
Prerequisite: MUSC 271 or consent of the instructor
An historical and technical survey of music of the Middle Ages through the Baroque period, with emphasis on the changing musical language, the various social and cultural roles of composition and performance, and the history of musical styles. Fall semester (Formerly MUSC 261)

MUSC 282 Music History II (3 credits)
Prerequisite: MUSC 271 or consent of the instructor
An historical and technical survey of music of the Classical Era through the present day. Continues Music History I, with emphasis on the changing musical language, the various social and cultural roles of composition and performance, and the history of musical styles. Spring semester (Formerly MUSC 262)

MUSC 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MUSC 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

MUSC 351 Conducting (3 credits)
Prerequisite: MUSC 281 or MUSC 282 or consent of the instructor
Designed for the beginning choral or instrumental conductor, this course includes basic conducting patterns, score reading and analysis, baton and rehearsal techniques.

MUSC 363 Music of Bach, Handel, and Vivaldi (3 credits)
Prerequisite: MUSC 281
This in-depth study of music by Bach, Handel and Vivaldi focuses on representative works from several genres, including cantata, oratorio, concerto, suite, and sonata. (CWRM)

MUSC 364 Music of the Classical and Romantic Periods (3 credits)
Prerequisite: MUSC 282
An in-depth study of music of the Classical and Romantic eras, focusing on the history and styles of the symphony, sonata, song, string quartet, opera, and other genres. (CWRM)

MUSC 366 American Music of the Twentieth Century (3 credits)
Prerequisite: MUSC 282
This course examines music by 20th century American composers, taking a historical and analytical approach to genres such as symphony, chamber music, song, opera, musical Theater and jazz. Works by Ives, Copland, Gershwin, Bernstein and others will be studied. Spring semester

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

MUSC 367 Music by Women Composers (3 credits)
Prerequisite: MUSC 281 or MUSC 282
This course surveys Western art music composed by women, with attention to sociological and cultural issues as well as analysis of music from several periods and genres. (CWRM)

MUSC 369 Music of the Twentieth Century (3 credits)
Prerequisite: MUSC 282
This course explores the diverse compositional techniques, genres, and styles of twentieth-century American and European art music. Representative works by Stravinsky, Schoenberg, Ives, Bartok, Copland, Cage, Berio, Adams, and others will be examined from analytical and historical viewpoints.

MUSC 371 Counterpoint (3 credits)
Prerequisite: MUSC 273
An analytical and practical exploration of melodic and contrapuntal techniques, relying upon extensive student exercises in composition and singing; emphasis on styles of the 16th through the 18th centuries.

MUSC 372 Form and Analysis of Music I (3 credits)
Prerequisite: MUSC 273
A study of the musical forms associated with the Classical and Romantic periods. Emphasis will be placed on the study of small and large forms focusing on the development of the harmonic language of the 18th and 19th centuries.

MUSC 373 Composition I (3 credits)
Prerequisite: MUSC 273
A technical and practical exploration of the materials and methods of musical composition centered around the students’ own creative exercises.

MUSC 375 Orchestration and Arranging (3 credits)
Prerequisite: MUSC 273, MUSC 282
Students will learn principles of score mechanics, vocal and instrumental ranges and capabilities, and apply that knowledge in musical assignments for a variety of ensembles.

MUSC 388 Instrumental Techniques (3 credits)
Prerequisite: MUSC 281 or MUSC 282
Students will learn assembly, maintenance, performance and pedagogy for the four main families of orchestral instruments (woodwinds, brass, percussion and strings).

MUSC 399 Special Topics in Music (3 credits)
A topic of special interest to faculty and/or students will be explored; emphasis may be on history, theory, or performance. This course may be taken more than once.

MUSC 440 Advanced Keyboard Skills (3 credits)
Prerequisite: MUSC 240
This course teaches advanced keyboard musicianship skills that lead to facility in the harmonization of melodies, transposition, score reading, figured bass realization and lead sheet chord symbols interpretation.

MUSC 455 Creative Activities in Elementary School Music (3 credits)
Prerequisite: MUSC 170 or consent of the instructor
This course is designed to develop analytical thinking and practical skills related to teaching vocal and general music in the primary and intermediate grades. Emphasis is on teaching craft, curriculum development, and the vocal mechanism for this level. Fall, every other year (Formerly MUSC 355)

MUSC 456 Methods in Music Education (3 credits)
Prerequisite: MUSC 273 or consent of the instructor
This course will examine the instructional approaches of Emile Jaques-Dalcroze, Zoltan Kodaly, Carl Orff, and Edvin Gordon, and the use of each in school music settings. Emphasis will be placed upon the instructional use of each with respect to singing, moving, instrument playing, listening and creative experiences.

MUSC 457 School Music Programming (3 credits)
Prerequisite: MUSC 351
Students will learn principles of managing, organizing and administering a school music program. Course topics range from recruiting to cooperating with parent’s organizations. Students will network with local school directors and learn evaluation and assessment procedures.

MUSC 458 Introduction to Orff Schulwerk (3 credits)
Prerequisite: MUSC 271 and MUSC 273 or consent of the instructor
This is a two-week intensive workshop introducing basic principles and practices of the Orff Schulwerk approach to teaching music. Taught by a certified Orff instructor, this course incorporates interactive participation in music and movement and develops and applies basic skills in movement, speech, singing, and playing instruments. Especially valuable for elementary and middle school teachers.

MUSC 472 Form and Analysis II: The Twentieth Century (3 credits)
Prerequisite: MUSC 372 or consent of the instructor
The materials and techniques of twentieth-century art music will be examined within a technical and historical context, with special attention to post-tonal styles. Students will listen to and analyze representative works of leading composers, developing their ability to recognize and describe styles of the twentieth century.

MUSC 483 Choral Techniques (3 credits)
Prerequisite: MUSC 351 and MUSC 440 or consent of the instructor
This course will fulfill one of the subject matter knowledge areas necessary for provisional/full certification. Subjects will include advanced conducting and rehearsal techniques, a study of style and interpretation, and the development of the choral sound. Planning, organizing and evaluating the choral program and its participants will also be part of the curriculum.

MUSC 499 Directed Study in Music (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

MUSC 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study
Course Descriptions

selected topics in a specific field. For details consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

MUSC 552 Seminar in Music Education Problems (3 credits)
Prerequisite: An undergraduate degree in music. At least one music education course, which may be satisfied by: EDHM 413, MUSC 413, MUSC 455, MUSC 456 or equivalent; or consent of instructor
This course will provide a forum for music educators to discuss and analyze issues and problems that arise in the current music education environment. It will provide graduate students in music education with relevant information about current trends, methodologies, and techniques used in contemporary music education.

MUSC 558 Orff Schulwerk Teacher Training: Level I (3 credits)
Prerequisite: MUSC 558
This is a two-week intensive workshop introducing basic principles and practices of the Orff Schulwerk approach to teaching music. Taught by a certified Orff instructor, this course incorporates interactive participation in music and movement and develops basic skills in singing and playing instruments. The course follows the guidelines established by American Orff Schulwerk Association (AOSA) for Level I certification. Offered in summer only

MUSC 559 Orff Schulwerk Teacher Training: Level II (3 credits)
Prerequisite: MUSC 558
This is a two-week intensive workshop extending basic principles and practices of Orff Schulwerk approach and providing more advanced training in composition as well as pedagogical practice. Taught by a certified Orff instructor, this course continues application of basic skills in movement, speech, and playing instruments and develops further understanding of diatonic composition and practice and use of complex and mixed meter. The course follows the guidelines established by American Orff Schulwerk Association (AOSA) for Level II certification. Offered in summer only

MUSC 562 Orff Schulwerk Teacher Training: Level III (3 credits)
Prerequisite: MUSC 558
This is a two-week intensive workshop for those who have satisfactorily completed a Level II course and who have Orff teaching experience. The materials, techniques, and activities are designed for the more advanced Orff Schulwerk student. The course will include study of modes and mixtures, orchestration of original material, improvisation in modes and symmetric meters. Development of advanced soprano and alto recorder techniques will be continued, and ensemble performance with all voices of recorders will be included. The course follows guidelines established by American Orff Schulwerk.

MUSC 564 Music in the Arts: A Cultural Perspective (3 credits)
This course will emphasize developments in music from a larger cultural perspective. The role of music will be analyzed in the context of other fine and performing arts such as painting, sculpture, theater and dance. The aim of this comparative approach is to broaden the understanding of music, placing it within a larger cultural, social and artistic framework.

MUSC 569 Foundations in Music Education (3 credits)
Prerequisite: Matriculation in the MAT in Music or consent of either the instructor or department chairperson
This course examines and analyzes philosophical, historical, sociological and psychological issues affecting the teaching and learning of music in school settings. Emphasis will be placed upon a scholarly investigation of critical issues related to the music education profession. Students will also be expected to determine the purposes and functions of music in American schools in relation to efficient and effective planning of curriculum and instruction. Massachusetts Frameworks and the National Standards will be incorporated into these topics.

MUSC 575 Techniques for Arranging Classroom and Concert Music (3 credits)
This course is intended to provide K-12 music educators with skills and techniques in arranging extant music for the particulars of specific classroom and public school ensembles, both vocal and instrumental.

Other Approved Courses:
MUSC 230 Voice Class II
MUSC 255 Music Materials for Elementary Teachers
MUSC 374 Composition II
MUSC 413 Advanced Choral Conducting
MUSC 453 Music for Early Childhood
MUSC 473 Composition III
MUSC 474 Composition IV

NATURAL SCIENCES (NSCI)

NSCI 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topical courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

NSCI 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: MUSC 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if NSCI 299 is taken for credit.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Second Year Seminars (SYS) are speaking-intensive, topical courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**NSCI 299 Second Year Seminar (Writing Intensive)**
(3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topical courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**NSCI 300 Science and the Impact of Technology**
(3 credits)
A study of the interplay of science and technology, the environmental, social, and economic consequences of technology, the effect of technical change on society, the management and control of technology and the nature of the technological decision-making process.

**NSCI 400 Senior Interdisciplinary Seminar in Environmental Science**
(3 credits)
Prerequisite: An introductory course in environmental science or consent of the instructor
Current environmental issues will be discussed and analyzed in detail from an interdisciplinary viewpoint. The importance of thorough analysis and planning in developing long-term solutions to environmental problems will be emphasized. Faculty with appropriate interdisciplinary backgrounds will participate.

**NSCI 511 Principles of Hydrology and Remote Sensing for Investigating Land Use Impacts on Water Resources**
(3 credits)
Prerequisite: One course in either chemistry, earth science or geography and a course on computer applications; or consent of instructor
This is an interdisciplinary course on hydrology and land use assessment designed primarily for professional development of watershed educators working on projects in local watersheds. The RiverNet Watershed Access Lab will be used for projects that emphasize hands-on training in hydrology, determining watershed area, and assessment of land use through color I.R. photos and satellite image analysis. The project goal will be to evaluate land use impacts on water quality in the local community. **Summer session**

**NSCI 521 Watersheds: Stream Ecology, Water Quality and Land Use (4 or 6 credits)**
Prerequisite: A course in ecology or environmental science and one course in either chemistry, earth science or geography
Part I, spring semester workshops two weeks in Summer Session II; Part II, fall semester workshops and/or watershed project. This is an interdisciplinary course primarily for teacher professional development in stream ecology, water quality and land use impacts in local watersheds. The RiverNet Watershed Access Lab will be used to advance local community watershed initiatives that improve water quality and protect watershed resources. Workshops and projects will emphasize hands-on training in stream ecology, aquatic insect identification, water quality assessments and the use of Massachusetts GIS (Geographic Information Systems). The project goal will be to evaluate land use impacts on the water quality of a stream or river in the local community of each team. A local watershed initiative project will be developed by each participant and presented in a Watershed Access Lab one-day conference. Four credits require Saturday workshops, 8-day summer institute and a one semester watershed project presented at the WAL Conference. Six credits require Saturday workshops, 8-day summer institute and summer research project report, and an academic year watershed project presented at the WAL Conference. **Spring, summer II and fall**

**NSCI 522 Watershed Analysis: Topics and Techniques**
(1-3 credits)
Prerequisite: NSCI 521 or consent of instructor
Designed primarily for watershed educators and secondary teachers to develop in-depth skills in watershed studies, this course allows for various specialized offerings as short courses of one or two credits. Short course topics will address specific issues and techniques pertaining to watershed studies that will also serve the continuing needs of teachers and watershed educators for professional development. Potential topics could include using Massachusetts G.I.S. for watershed land use analysis, techniques for biomonitoring, and historical geographic analysis of watershed land use. This course may be repeated with different topics for a total of three credits.

**NSCI 525 Mathematical Applications to the Natural Sciences**
(3 credits)
Prerequisite: High school/middle school teacher of mathematics or sciences
A series of lessons will be offered in which the application of mathematics to various areas of science will be offered. Guest speakers will present material from their area of expertise. Demonstrations of classroom presentation of the material will be given.

**Other Approved Courses**
NSCI 514 Scientific Telecommunications

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Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
## Course Descriptions

### PHYSICAL EDUCATION (PHED)

**PHED 100 Applied Musculoskeletal Anatomy (3 credits)**
Includes a fundamental study of the human body and its parts, with special emphasis on bones, muscles, joints and tissues involved in basic movement patterns.

**PHED 117 Historical and Philosophical Foundations of Sport and Physical Education (3 credits)**
An historical and philosophical study of sport and physical education, including an overview of the biological and normative/humanities areas constituting the discipline of sport studies.

**PHED 131 Volleyball I-Beginner (1 credit)**
Concepts and fundamental skills of volleyball, team play, rules and game strategy.

**PHED 132 Field Hockey I (1 credit)**
Development of basic skills, concepts and strategies for playing the game with understanding and application of rules.

**PHED 133 Basketball I-Beginner (1 credit)**
Fundamental skills of basketball, elementary offense and defense strategies.

**PHED 134 Self Defense (1 credit)**
This course will provide an understanding and application of preventive measures necessary for self defense.

**PHED 135-136 Freshman Honors Colloquium (1 credit each semester)**
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Physical Education allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. PHED 135 fall semester, PHED 136 spring semester.

**PHED 139 Theory and Practice of Dance Fundamentals (2 credits)**
This course will offer an introduction to the technique and performance of dance. It will cover beginning level instruction in modern, jazz and tap dance. Laban’s theories of space, time and dynamics will be explored. In addition to the art and technique of dance being practiced and performed in class, various other modes of learning will be employed, including reading and writing assignments and video lectures. The class will consist of one hour of lecture and two hours of laboratory.

**PHED 140 Lacrosse (1 credit)**
Fundamental skills, strategies, rules and knowledge for playing lacrosse.

**PHED 141 Soccer (1 credit)**
Fundamental skills of soccer including: kicking techniques, trapping, heading, offensive and defensive strategy and rules of the game.

**PHED 145 Flag Football (1 credit)**
Concepts and fundamental skills of the game including rules and strategy of play.

**PHED/THEA 146 Dance Appreciation (3 credits)**
This course explores the basic components of dance and enables students to appreciate the art of dance as an informed audience and as participants in its rich variety. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments. (CFPA)

**PHED 147 Theory and Practice of Ballet Fundamentals (2 credits)**
This course gives students with little or no dance training the opportunity to obtain the essential fundamental concepts and skills of ballet technique. Emphasis is on correct placement, line and execution. In addition, through out-of-class research, students will obtain general background about ballet which, combined with intensive class work, is intended to create technically proficient and artistically enriched dancers. The class will consist of one hour of lecture and two hours of laboratory.

**PHED 150 Beginner Swimming (1 credit)**
This course is for the non-swimmer or beginner swimmer (shallow water only). Emphasis is on water adjustment, primary skills, stroke readiness and stroke development comparable to American Red Cross swimming course levels I, II, III.

**PHED 152 Theory and Practice of Lifeguard Training (2 credits)**
Lifeguard duties, responsibilities, requirements, and philosophy are emphasized. Successful completion of course requirements will earn Red Cross certification in Lifeguard Training and First Aid, and in CPR for the Professional Rescuer. Additional modules in Disease Transmission Prevention and Oxygen Administration for the Professional Rescuer will be offered. One hour of lecture and two hours of laboratory periods will be conducted weekly during the entire semester.

**PHED 153 Jazz Dance (1 credit)**
This course provides experiences with a variety of jazz styles, including lyrical and percussive. Emphasis is on performance of choreographed routines and mastery of isolations and syncopations.

**PHED 154 Ballet (2 credits)**
This semester course is aimed at the mastery of basic ballet technique including work at the barre, center adagio and allegro across the floor combinations.

**PHED/THEA 155 Dance Practicum (1 credit)**
In this class students will choreograph and rehearse dances for a concert performance. Concurrent enrollment in a dance class is strongly advised. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments. Fall semester is open to all; spring semester is open by audition only. Graded on a (P) Pass/(N) No Pass basis. This course may be repeated.

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**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.

**Note:** See Catalog Web Addenda at www.bridgewater.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
PHED 158 Dance for Games and Sport-Theory, Practice and Performance (1 credit)
This course will introduce students to the theory, practice and performance of dance and its application to games and sport. Students enrolled will heighten their physical capabilities, amplify creative potential, and ultimately enhance their performance in games and sport. Offered alternate years.

PHED 161 Folk Dance (1 credit)
Folk dance terminology, formations and dance steps. Course will include insight into the background and customs of the people in the countries where the dances originated.

PHED 162 Creative Modern Dance I (1 credit)
This course is an introduction to the creative and technical elements of modern dance. There will be explorations of body movements in time through space with force.

PHED 163 Aerobics (1 credit)
A series of easy to learn dances that combine the health and figure benefits of jogging with the fun and vigor of dancing. It is recommended that participants should be in good physical condition and anyone over 35 years have a physical examination prior to enrolling in the class.

PHED 164 Square Dance (1 credit)
An introduction to the contemporary square dance.

PHED 165 Tap Dance I (1 credit)
This course will explore the basic skills of tap dance using physical practice analysis, film critiques and performance. Basic tap vocabulary will be mastered.

PHED 166 African Dance (1 credit)
This course will introduce students to the dance styles of Africa and the Caribbean using the Dunham techniques as its technical base. There will be discussion of the cultural history of African and Caribbean styles and their effect on American dance.

PHED 167 Street Dance (1 credit)
This course will deal with the basic technique of street dance from electric boogie to hip-hop and electric slide. Students will be encouraged to share from their own dance background.

PHED 168 Ballroom Dance (1 credit)
This course will introduce students to the basic steps, rhythms and timing and performance. Dances covered will include the waltz, fox trot, swing, polka and a sampler of Latin dances.

PHED 170 Bowling I – Beginner (1 credit)
Concepts and fundamentals of bowling: approach, delivery, follow through and strategy of play.*

PHED 173 Archery I – Beginner (1 credit)
Concepts and fundamental skills of archery including methods of aiming, scoring and introduction to novelty events.

PHED 174 Tennis I – Beginner (1 credit)
Concepts and fundamental skills of tennis including forehand, backhand, serve, rules and strategy of singles and doubles play.

PHED 175 Golf I – Beginner (1 credit)
Concepts and fundamental skills of the game including rules and scoring. A minimal fee of approximately $4.00 for use of facilities will be charged.

PHED 176 Badminton I – Beginner (1 credit)
Fundamental skills, rules and game concepts in order to prepare students for satisfying play experiences.

PHED 180 Coaching Basics (1 credit)
This course provides a “Level 1” coach by the American Coaching Effectiveness Program.

PHED 186 Track and Field (1 credit)
Skills of track and field including running, jumping, throwing events and their progressions.

PHED 188 Jogging and Road Running (1 credit)
An introduction to jogging and road running. Emphasis on knowledge and application of training technique and running mechanics, as they apply to the spectrum of running, from jogging to road racing and marathoning.

PHED 190 Conditioning (1 credit)
Concepts, exercises and activities related to the development of physical fitness, including isometrics, weights and running.

PHED 193 Weight Training (1 credit)
Emphasis will be on concepts and development of physical fitness through individualized weight training programs.

PHED 194 Wrestling (1 credit)
Fundamentals of college wrestling with emphasis on mat skills, rules, scoring and strategy. Offered fall semester only.

PHED 199 First Year Seminar (3 credits)
Prerequisites: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

PHED 200 Fitness for Life (3 credits)
This course is concerned with aiding the student to achieve a lifetime of physical vigor, good health and sense of well being. Its emphasis is on the biological basis, planning and implementing of an ongoing program of self care through physical activity and proper nutrition.

*Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

PHED 201 Fitness Testing in Exercise Science
(1 credit)
The course is an introductory laboratory experience in the conduct of exercise and anthropometric tests utilized during the conduct of preventative and rehabilitative exercise programs. The student will conduct and practice administering testing programs.

PHED 203 Basic Rock Climbing (1 credit)
Development of fundamental skills and techniques used in rock climbing with special attention to belaying and safety considerations.

PHED 204 Theory and Practice of Progressive Resistance Training (2 credits)
Prerequisite: Physical Education majors only, or consent of instructor
This course consists of a study of the procedures used to train people to enhance their musculoskeletal fitness through progressive resistance exercise. Specific emphasis will be placed on bodybuilding, power lifting, Olympic Style Lifting, dynamic flexibility, plyometrics, and agility training. One hour of lecture and two hours of laboratory periods will be conducted weekly over the entire semester.

PHED 205 Introduction to Teaching Physical Education in the Public Schools (2 credits)
This course is designed to give students information about teaching physical education as a profession. Through discussion and direct observation of the teaching-learning environment, students will be able to study and observe the characteristics of learners of different age and grade levels as well as the philosophy, goals and objectives of programs for various certification levels. Fall semester

PHED 206 Theory and Practice of New Age Fitness
(2 credits)
This course consists of a study and practice of new age fitness techniques as they pertain to fitness and wellness. Mind/body connection as presented in Eastern cultures will be explored. The art of Yoga will be examined through practice and examination of the Ayurvedic methods used to treat people to enhance their wellness including strength, balance, flexibility, cardio respiratory, and relaxation. One hour of lecture and two hours of laboratory periods will be conducted weekly over the entire semester.

PHED 207 Theory and Practice of Horsemanship (2 credits)
This course provides the basics of equestrian skills and gives students the proper foundation for safe enjoyment of the equestrian sport. The course is a "hands-on" approach geared toward students wishing to become proficient in horsemanship, with emphasis on the equine psychology and behavior, health and stable management and riding theory.*

PHED 208 Theory and Practice of Group Instruction
(2 credits)
Prerequisite: Restricted to Physical Education majors
This course consists of a systematic study of the procedures used to teach aerobics and group exercise. One hour lecture and two hours of laboratory periods will be conducted weekly over the entire semester. Upon completion of this course students will have the option to sit for a group exercise/aerobics certification.

PHED 209 Theory and Practice of Metabolic Training
(2 credits)
This course will provide the theory behind aerobic and anaerobic training and will provide students with sufficient activity to produce a training effect in the various metabolic systems. One hour of lecture and two hours of laboratory will be conducted weekly over the entire semester.

PHED 210 Developmental Kinesiology (3 credits)
Prerequisite: PHED 100
This course uses a developmental approach to introduce the student to fundamental motor patterns. The anthropometrics and basic biomechanics that affect each motor pattern, are highlighted. Emphasis is placed on typical development as presented throughout the life span.

PHED 212 Strategies and Analysis of Motor Skills
(3 credits)
Prerequisite: PHED 205
This course is an introduction to the learning and development of motor skills and movement principles. Fundamental assessment and evaluation concepts and procedures will be studied and applied. Offered spring semester

PHED 217 Principles of Motor Learning (3 credits)
Introduces the student to the concepts and principles concerned with learning and performance of motor skills.

PHED 225 Observation and Analysis of Movement for Children (4 credits)
Prerequisite: PHED 205
An introduction to the movement approach to games, dance, and gymnastics with emphasis on program content and progression using the thematic approach. Spring semester

PHED 231 Volleyball II – Intermediate (1 credit)
Prerequisite: PHED 131 or comparable experience
A follow-up of Volleyball I with emphasis on increased proficiency of performance and game strategy.

PHED 234 Yoga (1 credit)
This class will introduce students to the ancient discipline of Hatha Yoga. Even though Hatha Yoga has been practiced for thousands of years, we in the West are just becoming aware of its many health benefits. In this class we will discuss the history of Yoga, the Eight Limbs of Classical Yoga, the different Paths of Yoga, the Energetic Systems of Yoga, the Asana and Pranayama of Yoga, and Meditation. An emphasis will be placed on the physical practice of Yoga allowing the students to experience its many benefits.

PHED 235 Rhythmic Activities: Programming For All Ages (1 credit)
Designed to provide a basic understanding of rhythmic movements and their application for programming for all age groups. The course will include a variety of expressive locomotion, non-locomotor and manipulative movements.

* Additional fee required

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
PHED/INTD 236 Games and Sport of Arctic People
(3 credits)
A historical and philosophical study of the games and
sport of traditional Arctic people, including an overview
of the cultural attributes that inform the above.

PHED 237 Theory and Practice of Jazz Dance, Fall
(2 credits)
Prerequisite: Dance experience. Students may self-select.
This course will offer intermediate level work in the tech-
nique and performance of jazz dance. It will also provide
a historical overview of jazz dance and some of its most
influential artists so that students gain an understanding
of the origins of jazz dance, its various styles and influences
and how it differs from other dance forms. In addition
to the art and technique of dance being practiced and per-
formed in class, various other assignments will be required
including reading and writing assignments and critiques of
video and live performances. The class is a continuation
of topics addressed in PHED 237, but is not dependent on
being taken in sequence. The class will consist of one hour
of lecture and two hours of laboratory. This course may be
repeated once for credit.

PHED 242 Theory and Practice of Ballet, Fall (2 credits)
Prerequisite: Ballet experience. Dancers may self-select.
This course gives students with an elementary level of
training the opportunity to establish, develop and refine
classical ballet technique. Emphasis is on correct place-
ment, line and execution. In addition, through out-of-class
research, students will obtain general background about
ballet, which combined with intensive class work is intend-
ed to create dancers technically proficient and artistically
enriched. The class will consist of one hour of lecture and
two hours of laboratory. This course may be repeated once
for credit.

PHED 243 Ballet II (2 credits)
Prerequisite: PHED 154 or previous experience in ballet
This course is a continuation of work begun in Ballet I. Bal-
tlet technique will be learned at the barre, in center adagio
and allegro combinations and in traveling across the floor.

PHED 244 Softball (1 credit)
Concepts and fundamental skills of the games including
rules and strategy of play. Spring semester

PHED 245 Theory and Practice of Ballet, Spring
(2 credits)
This course gives students with an intermediate level of
training the opportunity to establish, develop and refine
classical ballet technique. Emphasis is on correct placement,
line and execution. An analytical approach to the relation-
between muscle control and technique is used to intensify
the effectiveness of training. In addition, through out-of-
class research, students will obtain general background
about ballet which, combined with intensive class work,
is intended to create dancers technically proficient and
artistically enriched. The class is a continuation of topics
addressed in PHED 242, but is not dependent on being
taken in sequence. The class will consist of one hour of
lecture and two hours of laboratory. This course may be
repeated once for credit.

PHED 247 Theory and Practice of Jazz Dance, Spring
(2 credits)
Prerequisite: Dance experience. Students may self-select.

This course will offer intermediate level work in the tech-
nique and performance of jazz dance. It will also provide
a historical overview of jazz dance and some of its most
influential artists so that students gain an understanding
of the origins of jazz dance, its various styles and influences
and how it differs from other dance forms. In addition
to the art and technique of dance being practiced and per-
formed in class, various other assignments will be required
including reading and writing assignments and critiques of
video and live performances. The class is a continuation
of topics addressed in PHED 237, but is not dependent on
being taken in sequence. The class will consist of one hour
of lecture and two hours of laboratory. This course may be
repeated once for credit.

PHED 248 Theory and Practice of Modern Dance, Fall
(2 credits)
Prerequisite: Dance experience. Students may self-select.
This course will offer intermediate level work in the tech-
nique and performance of modern dance. It will also pro-
vide a historical overview of modern dance and some of
its most influential artists so that students gain an under-
standing of the origins of modern dance, its various styles
and influences and how it differs from other dance forms.
In addition to the art and technique of dance being prac-
ticed and performed in class, various other assignments
will be required including reading and writing assignments
and critiques of video and live performances. The class will
consist of one hour of lecture and two hours of laboratory.
This course may be repeated once for credit.

PHED 249 Theory and Practice of Modern Dance,
Spring (2 credits)
Prerequisite: Dance experience. Students may self-select.
This course will offer intermediate level work in the tech-
nique and performance of modern dance. It will also pro-
vide a historical overview of modern dance and some of
its most influential artists so that students gain an under-
standing of the origins of modern dance, its various styles
and influences and how it differs from other dance forms.
In addition to the art and technique of dance being prac-
ticed and performed in class, various other assignments
will be required including reading and writing assignments
and critiques of video and live performances. The class will
consist of one hour of lecture and two hours of laboratory.
This course may be repeated once for credit.

PHED 250 Intermediate Swimming (1 credit)
Prerequisite: PHED 150 or comparable experience
This course is for the deep-water swimmer and provides
continued development on more advanced swimming
skills, strokes, diving and survival techniques. Both semi-
ters

PHED/THEA 251 Dance History (3 credits)
This course will offer an examination of dance as a social
and artistic force from primitive to modern times. Class
will include lecture and film, as well as performance of
dances in historical styles. Offered for credit in both the
Movement Arts, Health Promotion and Leisure Studies
and the Theater and Dance Departments.
PHED 252 Water Safety Instructor (3 credits)
Prerequisite: Red Cross Level VI of the Learn to Swim program or comparable skill level of proficiency as determined by a pre-course swimming and written screening test
Instruction in pedagogy and methodology for teaching Red Cross progressive swimming classes and Community Water Safety. Successful completion of course requirements will earn Red Cross Certification in Instructor Candidate Training and Water Safety Instructor.

PHED 253 Jazz Dance II (1 credit)
Prerequisite: PHED 153 or previous jazz dance experience
The class is a second level of jazz dance, which takes the basics and expands on them through dance combinations and locomotor patterns.

PHED 254 Water Polo (1 credit)
Includes basic movements, skills and maneuvers of the sport of water polo with emphasis on offensive and defensive fundamentals and strategies, practical drills, rules and regulations.

PHED/THEA 255 Creative Dance I (3 credits)
This course will investigate the theory of dance through participation, composition, lecture, discussion and film. Students will learn about the elements of space, time, force, movement and style. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments.

PHED/THEA 256 Creative Dance II (3 credits)
Prerequisite: THEA/PHED 255
The use of basic elements of dance to form a set movement composition. Exercises in choreography and experiences in setting a dance for performance. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments. Spring semester

PHED 257 Movement and Relaxation – Theory, Practice and Performance (1 credit)
This course will introduce students to the theory, practice and performance of yoga, relaxation procedures and basic movements related to daily activities.

PHED 258 Modern Dance Technique (1 credit)
The course will deal with the performance of modern dance technique through the study of styles of various modern dance artists.

PHED/THEA 259 Dance Repertory (1 credit)
Students will be taught a major choreographic work by faculty and/or guest artists. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments. Spring semester

PHED/THEA 260 World Dance (3 credits)
An introductory overview to some of the major dance traditions of the world, with emphasis on Asia, the Pacific, Africa and the Arctic. (CFA; GCCL)

PHED 262 Modern Dance II (1 credit)
The course is a continuation of the creative and technical performance of modern dance. Greater emphasis will be placed on individual and group compositions and improvisations.

PHED 265 Tap Dance II (1 credit)
Prerequisite: PHED 165 or consent of the instructor
This course will build on the basic skills learned in Tap Dance I to enable the student to learn more complex skills and combinations. New skills will be learned through practice and performance, analysis and critique of masters of tap.

PHED 268 Ballroom Dance II – Theory, Practice and Performance (1 credit)
Prerequisite: PHED 168 or consent of the instructor
This course will be a continuation of the theory, practice and performance of ballroom dance. Intermediate theory, practice and performance of the swing, tango, cha cha, waltz, fox trot and selected Latin dances will be covered.

PHED 271 Theory and Practice of Tap Dance (2 credits)
Prerequisite: Dance experience. Students may self-select.
This course will offer intermediate level work in the technique and performance of tap dance. It will also provide a historical overview of tap dance and some of its most influential artists so that students gain an understanding of the origins of tap dance, its various styles and influences and how it differs from other dance forms. In addition to the art and technique of dance being practiced and performed in class, various other assignments will be required including reading and writing assignments and critiques of video and live performances. The class will consist of one hour of lecture and two hours of laboratory. This course may be repeated once for credit.

PHED 276 Badminton II – Intermediate (1 credit)
Prerequisite: PHED 176 or comparable experience
A follow-up of Badminton I with emphasis on advanced skills, singles and doubles play, and game strategy.

PHED 278 Bicycle Touring (1 credit)
An understanding and appreciation for the sport of cycling through the application of body mechanics, cycling techniques, knowledge of multigeared bikes and the many aspects of touring. Students must have a bike.

PHED 280 New Games (1 credit)
This course is designed to introduce the philosophy of new games and develop a repertoire of non-competitive, cooperative and collaborative games suitable for a variety of age groups. The students will experience the psychomotor and affective components embodied in the new games concept.

PHED 281 Theory and Practice of Educational Dance (2 credits)
This course will involve students in creative/expressive dance using Laban’s Movement Framework as a basis for content. Knowledge of this content will give students a foundation for dance teaching in all settings. Additionally, students will have an opportunity to choreograph dance sequences both individually and in small groups. The intent is for both the non-dancer and the trained dancer to be comfortable in the creative environment. Offered fall semester

PHED 282 Theory and Practice of Games (2 credits)
This course is an introduction to games with emphasis on analysis across the games classification (net/wall, invasion,
PHED 285 Gymnastics (2 credits)
Concepts and fundamental skills of vaulting, balance beam, parallel bars, uneven parallel bars, high bar, side horse, rings and free exercise.

PHED 286-287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Sophomore Honors Colloquium in Physical Education allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. PHED 286 fall semester, PHED 287 spring semester

PHED 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: ______199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ______299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

PHED 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: ______199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ______299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

PHED 315 Teaching Team and Individual Sports (4 credits)
Prerequisite: PHED 212 and admission to the Professional Education Program
Methodologies, teaching strategies, materials and media for introducing, developing and evaluating skills and knowledge of selected team and individual sports. Fall semester

PHED 318 Socio-Cultural Foundations of Sport (3 credits)
This course provides an introduction to the study of sport as a social institution and an element of culture. Major topics include the roles of sport in society, the relationship of sport to other social institutions and variations in sport across cultures. (CWRM)

PHED 324 Physical and Motor Development of Individuals with Disabilities (3 credits)
Prerequisite: PHED 217
This course addresses the etiology, treatment, developmental sequence and functional abilities of disabled and handicapped populations. The course also emphasizes concepts of physical fitness, motor and physical skill development, concepts related to competitive and cooperative social interaction as well as the constructive use of leisure. Topics presented will include the visually impaired, blind, mentally retarded, cerebral palsy, spina bifida, muscular dystrophy and postural disorders. The diagnostic prescriptive process will be stressed along with the latest screening and assessment instruments and techniques.

PHED 325 Methods and Techniques in Coaching Individual Sports (1 credit)
A brief theoretical study of individual sports, offensive and defensive fundamentals and strategies and responsibilities regarding administration of practice and performance.

PHED 326 Teaching Physical Education to Children (3 credits)
Prerequisite: PHED 205, PHED 225 and admission to the Professional Education Program
A study of the movement approach to teaching physical education to children with emphasis on developing content and methodology. Students will engage in pre-practicum experience with children in an on-campus setting focusing on: developing, analyzing and improving teaching behavior and developing teaching materials. Fall semester

PHED 327 Methods and Techniques in Coaching Team Sports (1 credit)
A brief theoretical study of team sports, offensive and defensive fundamentals and strategies and responsibilities regarding administration of practice and performance.

PHED 329 Teaching and Curriculum Development in the Middle and Junior High School (3 credits)
Prerequisite: PHED 212 or 225; PHED 217; PHED 385 or 210 and admission to the Professional Education Program
This course will focus on teaching and curriculum development for physical education in the middle and junior high school. Emphasis will be placed on important trends in our society and an understanding of what physical education can and should mean to the education of transadolescents. Teaching concepts as well as equity issues, comprehensive curriculum planning and evaluation will be studied. Fall semester
PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education (6 credits)
Prerequisite: PHED 315 or PHED 326
Designed to develop teaching competencies related to the planning, implementation and evaluation aspects of instructional programs in physical education. Course will include current research on effective teaching, peer teaching and videotape analysis of teacher and student behavior. Spring semester (Formerly PHED 313)

PHED/THEA 353 Creative Dance for Children (3 credits)
Prerequisite: PHED 281 or consent of the instructor
The study and experience of dance as a creative activity for children. For those planning to work with children in schools, camps, community centers or enrichment programs.

PHED 354 Introduction to Snorkeling and Scuba Diving (1 credit)
Prerequisite: Intermediate swimming or comparable skill proficiency, successful completion of a swimming proficiency screening test
This course will cover fundamental skills, use of equipment, and safety in snorkeling and scuba diving. Students must pass a swimming proficiency pre-test during the first class to continue in the class. Offered spring semester only.

PHED 356 Canoeing I (1 credit)
Instruction in fundamental skills of canoeing and small craft safety techniques.

PHED/THEA 357 Dance Production Theory (2 credits)
Prerequisite: PHED/THEA 255 and PHED/THEA 256, or consent of the instructor
This course provides the opportunity to choreograph and plan the presentation of a major dance work. Lectures and practical assignments in choreography and stagcraft for dance will result in a plan for a dance piece. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments. Fall semester.

PHED/THEA 358 Dance Production Techniques (1 credit)
This course is an extension of PHED/THEA 357 Dance Production Theory and provides an opportunity for students to set a choreographed work for dancers and to rehearse it for presentation. Offered for credit in both the Movement Arts, Health Promotion and Leisure Studies and the Theater and Dance Departments. Spring semester.

PHED/WMST 365 Women in Sports (3 credits)
Prerequisite: 3 Core Curriculum Requirement credits in Behavioral Science
This course investigates the sport-women relationship from a physiological, historical and socio-cultural perspective. In doing so, it examines images, attitudes and structures that affect the involvement of women in sport and exercise and restrict/enhance their personal and professional potential.

PHED 380 The Psychology of Sport and Physical Performance (3 credits)
Prerequisite: PSYC 100, PHED 217 or consent of instructor
An overview of how psychological factors affect sport and physical performance.

PHED 385 Biomechanics (3 credits)
Prerequisite: PHED 100 and Foundations of Mathematical Reasoning Core Curriculum Requirement
Introduces the student to the concepts and principles of biomechanics as they relate to sport and recreational skills. Two hours lecture and two hours laboratory weekly.

PHED 397 Children’s Physical Developmental Practicum (2 credits)
Prerequisite: Consent of Instructor
The course affords students serving as clinicians in the Children’s Developmental Clinic the challenging opportunity to assess a child’s development level and design an individual activity program to ameliorate psychomotor and social deficiencies. More specifically, students will learn strategies for teaching children with disabilities, techniques for developing terminal goals and behavioral objectives, and methods for writing anecdotal records as well as writing and orally presenting a clinical report that summarizes a child’s progress over the course of a semester. This course is open to all majors and may be repeated with consent of the instructor. Graded on a (P) Pass/(N) No Pass basis.

PHED 400 Physiology and Techniques of Strength Fitness (3 credits)
Prerequisite: PHED 204 taken previously or concurrently
To provide students with a knowledge of the effects of heavy resistance exercise training protocols on muscular skeletal integrity, metabolic capacity and various specific tissue characteristics in the human body. Thus, the course necessarily considers micro-anatomical and physiological variations associated with general strength conditioning programs, body building, Olympic lifting, power lifting, circuit training, variable resistance, isotonic, isokinetic and isometric resistance training.

PHED 401 Physiology of Exercise (4 credits)
This course includes the study of systems, their interrelationships and adjustments during exercise and as a result of training. Emphasis is on current research findings and what remains to be discovered in man as a moving being. Three hours of lecture and one two-hour laboratory period weekly.

PHED 402 Exercise Metabolism (3 credits)
Prerequisite: PHED 401 or equivalent
An in-depth study of human physiological principles as applied to exercise, sport activity and research. Special emphasis is on neurological control, exercise in relation to cardiovascular disease, and factors affecting performance.

PHED 403 Cardiovascular Analysis, Evaluation, and Rehabilitation (3 credits)
Prerequisite: PHED 401 or equivalent
This course includes an examination of cardiovascular dynamics as studied through anatomy, electrophysiology, rehabilitation, and the pathology of the cardiovascular system. Specific emphasis will be placed on the analysis of the cardiovascular system through the ECG, cardiac rehabilitation, and basic cardiac pharmacology. Fall semester.

*May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
PHED 404 Exercise Prescription (3 credits)
This course focuses on the development of individual prescriptive exercise programming with respect to individual contraindications. Environmental conditions along with intensity, duration and frequency of physical activity will be studied in order to develop programs. *Summer sessions*

PHED 405 Exercise Circulation: Mechanisms and Morphology (3 credits)
*Prerequisite: PHED 401*
This course provides students with a knowledge and understanding of the acute and chronic effects of exercise on the peripheral and central circulatory systems. It deals with exercise related cardiovascular dynamics, effects of frequently used medications and growth responses induced by regular exercise as well as abnormal physiological responses to exercise.

PHED 406 Personal Fitness Training (3 credits)
*Prerequisite: PHED 401; Physical Education majors only*
This course will teach the exercise science student to train sedentary adults, as well as adults within special health populations. The aspects of developing safe, profitable, and legal personal training practices will be explored. Students will have the opportunity to train a client and will have the opportunity to sit for a National Advanced Personal Training Certification.

PHED 409 Planning, Implementing and Evaluating Fitness Programs (3 credits)
This course provides students with skills needed to develop, implement and evaluate programs in fitness and rehabilitative exercise centers. Emphasis will be placed on program development, on providing instruction to individuals and groups and on administrative tasks expected of the entry-level fitness professional.

PHED 414 Coaching (3 credits)
The application of teaching and learning principles as related to the player, team, coach and the athletic program. Areas to be included will be psychology and philosophy of coaching, organization and administration of the program, coaching techniques, conditioning and evaluative procedures. *Offered once a year*

PHED 416 Planning and Implementing Coaching Leadership Strategies (3 credits)
*Prerequisite: PHED 217 and PHED 414*
Designed to enhance leadership and instructional competencies in the coaching profession, this course will stress the principles and practices of effective coaching including peer feedback, analysis of coach (role-playing) and athlete (peer) behavior, and utilization of motivational techniques to enhance skill development. *Offered once a year*

PHED 440 Scientific Basis of Coaching (3 credits)
The course will examine the nutritional principles applied when instructing individual and team fitness activities and sports.

PHED 451 Prosthetics and Orthotics (3 credits)
This course presents principles and techniques of using ambulatory aids, prosthetics, orthotics and wheelchairs for mobility, motor development, leisure activity and sport. Emphasis will be on skill adaptations and program planning for individuals with neuromuscular disease, spinal cord injury and amputation. Course includes clinical observation and laboratory experiences.

PHED 481 Organization and Administration of Athletics (3 credits)
Course content will include the history of sport management; athletics policies and regulations on the local, state and national levels; administrative plans; contest management; marketing strategies; legal principles; sport ethics; media relations; sport broadcasting; finance and budget; athletic facilities; scheduling; public relations; intramural and recreational sports; trends in scholastic, collegiate, international and professional sport; and growth in the health and fitness industry.

PHED 484 Physical Education for Children and Youth with Disabilities (3 credits)
*Prerequisite: Open to Commonwealth and Departmental Honors students*
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. *Either semester*

PHED 491 Field-Based Pre-Practicum (5-12) – Physical Education (2 credits)
*Prerequisite: PHED 335*
Designed to provide the student with field-based teaching experiences in selected settings. Students may register for PHED 491-492 while concurrently registered in PHED 335. *One quarter; either semester*

PHED 492 Practicum in Student Teaching (5-12) – Physical Education (12 credits)
*Prerequisite: PHED 491*
Full-time teaching for one semester with supervision provided by members of the department faculty. Students may register for PHED 491-492 while concurrently registered in PHED 335.

PHED 494 Advanced Study of Motor Programs for Individuals with Chronic Health Conditions (3 credits)
*Prerequisite: Undergraduate: PHED 217 and PHED 324; graduate: PHED 484 and PHED 508 or consent of the instructor*
Included is the study of nutritional disturbances, emotionally disturbed, socially maladjusted, disadvantaged, and chronic medical problems. A culmination of professional experiences to include a study of perceptual motor programs, behavior modification, advanced techniques of motor assessment and grantmanship. The role of the adapted physical educator as a resource and itinerant teacher will be presented. *Offered fall semester*
PHED 495 Field-Based Pre-Practicum (PreK-8) – Physical Education (2 credits)
Prerequisite: PHED 335
Designed to provide the student with field-based teaching experiences in selected settings. One quarter either semester.

PHED 496 Practicum in Student Teaching (PreK-8) – Physical Education (12 credits)
Prerequisite: PHED 491
Full-time teaching for one semester with supervision provided by members of the department faculty.

PHED 497 Seminar in the Children’s Physical Development Clinic (3 credits)
Prerequisite: A minimum of one year’s experience in the Children’s Physical Development Clinic and consent of the instructor
The Children’s Physical Development Clinic (CPDC) is an interdisciplinary community service program designed to enhance the physical, motor and social development of disabled children and adults 18 months through 21 years. This course affords veteran student clinicians the challenge of assisting with program development, administration and evaluation of the CPDC as well as the training and supervision of less experienced clinicians. The course is open to all majors and may be repeated once for credit with the consent of the instructor.

PHED 498 Field Experience in Physical Education (3-15 credits)
Prerequisite: Consent of the department; formal application required
A field experience offers qualified students the opportunity to gain practical experience in their major. Placements are made in both public and private agencies and are designed to complement a student’s concentration in their major.

PHED 499 Directed Study in Physical Education (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to all juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

PHED 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled “Independent or Directed Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

PHED 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

†May be taken for graduate level credit

PHED 504 Nutrition for Sports, Exercise and Weight Control (3 credits)
This course will provide a thorough review of nutritional principles and practices essential for exercise and optimal performance in sports. Also stressed are principles and strategies for maintaining, gaining or losing weight.

PHED 506 Philosophy and Principles of Physical Education (3 credits)
Prerequisite: 6 credits in physical education
Philosophical inquiry into the discipline of physical education including a study of trends and forces in education as they affect the field.

PHED 507 Children and Their Movement Behaviors (3 credits)
Prerequisite: 12 credits in physical education or consent of the instructor
Current concepts and trends related to movement experiences of children with emphasis on developmental movement, and learning.

PHED 508 Motor Learning (3 credits)
Prerequisite: 3 credits in psychology
Integration of biological and psychological concepts in the acquisition of motor skills including environmental conditions, developmental factors and learning theories.

PHED/ATTR 511 Research Methods in Physical Education (3 credits)
This course will develop competencies needed to both produce and consume research in physical education and allied areas. In the development of a research proposal, students will gain an understanding of such research techniques as problem formulation, literature review, sampling, hypothesis construction, research design, instrumentation and data analysis. Fall semester only.

PHED 513 Educational Games for Elementary and Middle School Level (3 credits)
A comprehensive study of the movement approach to educational games with emphasis on analysis of games. Progression utilizing thematic approach and curriculum development will also be presented.

PHED 514 Improving Teaching Effectiveness in Physical Education (3 credits)
Prerequisite: PHED 335 or equivalent
The course will focus on research pertaining to teacher and school effectiveness and implications for teaching physical education. Formats through which teachers can gather data for use in self-analysis and improvement of instruction will be examined. Equity issues and the need of a multicultural society will also be discussed.

PHED 515 Advances in Exercise Circulation (3 credits)
Prerequisite: PHED 401
This course provides students with a knowledge and understanding of current theories explaining the responses of the circulation to acute and chronic exercise. It considers translocations of fluids and fluid constituents within the vascular systems and among various body compartments. It also considers potential growth responses and abnormal responses. Alternate years.
Course Descriptions

PHED 516 Exercise Electrocardiography (3 credits)
This course focuses on the basic electrophysiology of the heart and the intricate electrical responses of the hearts of healthy and unhealthy individuals to exercise. Its fundamental emphases are thus exact descriptions of ECG variations, mechanisms underlying these variations and factors influencing cardiac electrophysiology.

PHED 517 Experimental Processes in Physical Education (3 credits)
This course will develop quantitative competencies required to conduct and understand experimental research typically occurring in physical education. It thus concerns basic measurement theory, probability, description and inference. Alternate years

PHED 518 Advances in Exercise Metabolism (3 credits)
Prerequisite: PHED 401 or consent of the instructor
Students will study advanced topics concerned with bioenergetics during exercise. It will focus on acute and chronic responses, issues from various perspectives. Among topics covered will be: cardiovascular/ventilatory coupling, chemomechanical coupling, anaerobic threshold, substrate utilization, electrolyte imbalance, oxygen use and hormonal controls of metabolism. Alternate years

PHED 519 Advances in Exercise Prescription (3 credits)
Prerequisite: PHED 401 or consent of the instructor
This course is concerned with special circumstances, which dictate that one must adjust either the exercise testing or prescription for an individual. It is thus focused on descriptions of special situations, testing and prescription for those situations. Other special cases considered will be: gender, children, aging, environment, arthritis, diabetes, obesity, heart disease, low fitness, high fitness, respiratory disorders and hypertension. Summer only

PHED 520 Health Fitness Program Planning and Management (3 credits)
Prerequisite: At least one course in exercise physiology or consent of the instructor
Designed to address strategies essential to the development of successful exercise and health fitness programs. Emphasis will be placed on program development, motivational techniques and administrative considerations.

PHED 523 Strength and Conditioning Laboratory (3 credits)
Prerequisite: PHED 204 and PHED 400 and PHED 401; or consent of instructor
This course consists of a study in the procedures used to train and coach athletes to enhance their musculoskeletal fitness through strength and conditioning. Specific emphasis will be placed on power lifting, Olympic style lifting, dynamic flexibility, plyometrics, agility training, and sports specific training. Lecture, laboratory and out-of-class observation and field work time will be conducted weekly over the entire semester. Spring semester

PHED 526 Sport Law (3 credits)
This course will give the sports professional an understanding of the legal system as a whole and the unique legal problems and responsibility faced in managing a sports activity. The sports professional will be educated to identify potential legal liability, to avoid unnecessary legal risks and to minimize legal loss exposure.

PHED 530 The Motor Domain: Implications for Chronic Disabilities (3 credits)
Prerequisite: PHED 324 or equivalent
An in-depth study of etiologies, classifications and functional motor abilities of chronic medical conditions will be presented. Topics will include asthma, cystic fibrosis, epilepsy, cancer, obesity, diabetes, arthritis, multiple sclerosis and muscular dystrophy. The course will also emphasize unique physiological, psychological and biochemical characteristics pertaining to motor development, sport and leisure.

PHED 531 Motor Performance Adaptations for Moderate and Severe Disabilities (3 credits)
This course addresses the etiologies, prevalence, characteristics and functional motor abilities of moderate and severe disabilities. Attention is given to an overview of moderate and severe populations, spinal cord injured and amputees. The course will also address such related topics as bloodborne pathogens, screening and assessment methods, related professional services, leisure placement strategies, due process, advocacy and legal considerations.

PHED 543 Foundations of Resistance Training (3 credits)
This course will provide students with knowledge of the effects of various heavy resistance training protocols on musculoskeletal integrity, metabolic capacity and various specific tissue characteristics in the human body. Thus, the course necessarily considers micro-anatomical and physiological variations associated with general strength conditioning programs, body building, Olympic lifting, power lifting, circuit training, isometric and isometric resistance training.

PHED 544 Applied Laboratory Techniques in Exercise Science (3 credits)
Students will utilize a number of laboratory techniques to assess fitness capabilities and health status of normal subjects. Focus will be on standardization of procedures and collection of reliable and valid data. An additional concern will be clear representation and interpretation of classical techniques used to routinely assess physical fitness in the laboratory. Summer only

PHED 545 Physical Conditioning and Training in Sports and Exercise (3 credits)
Prerequisite: An introductory course in exercise physiology or consent of the instructor
This course is designed to provide the sport practitioner, i.e., the coach, athlete, team trainer, and physical educator, with a basic understanding of the physiologic principles underlying the physical conditioning process. Methods of planning, implementing and evaluating training programs will be the main focus of attention.

PHED 546/ATTR 548 Applied Biomechanics and Movement Analysis (3 credits)
This course provides students with a knowledge and understanding of the mechanical concepts underlying performance of motor skills. Focus is on analytic techniques, which allow students to analyze skills and effectively consume complex skill analyses conducted by others. Fall semester; alternate years

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
PHED 560 Adventure-Based Physical Education (3 credits)
Prerequisite: Matriculation in the MS in Physical Education program or consent of instructor
This course is designed for those who are new to adventure education and who work in a setting where the group process and debriefing are important. Some of the techniques to enhance group process are the following: goal setting, reflection, decision making and debriefing. The curriculum will include: adventure basics, philosophy and theory, including challenge by choice and the full value contract, ground activities, low elements and high elements. Participants should be in relatively good health and able to perform moderate physical activity.

PHED 571 Psychological and Social Issues in Sport (3 credits)
This course will focus on advanced sociological and psychological study of sport. Students will consider timely issues in sport from a sociological perspective and consider how these issues affect professionals working in sport and physical activity. Students will learn how principles in applied sport psychology can enhance teaching, learning and performance in sport. Potential topics include cheating, the use of performance enhancing drugs, burnout, motivation, media images, and Title IX.

PHED 581 Selected Topics in Physical Education (1-3 credits)
Prerequisite: Course prerequisite may be specified depending on the nature of the topic
Special topics of current relevance in physical education will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May take more than once with consent of adviser.

PHED 595 Internship in Physical Education (3-6 credits)
Prerequisite: 12 graduate credits in physical education and consent of adviser
An internship offers qualified students the opportunity to gain substantial practical experience within their major. Placements are designed to complement a student's program concentration.

Other Approved Courses:
PHED 134 Self Defense
PHED 182 Ski Touring
PHED 196 Fencing I – Beginner
PHED 202 Orienteering
PHED 233 Basketball II – Intermediate
PHED 270 Bowling II – Intermediate
PHED 274 Tennis II – Intermediate
PHED 345 Sport and Physical Education in East Asian Cultures
PHED 346 Sport and Culture in India
PHED 350 Advanced Swimming
PHED 361 Officiating Individual Sports
PHED 362 Officiating Team Sports
PHED 439 Analysis and Application of Teacher Behavior
PHED 465 Theory and Development of Play
PHED 470 Sociology of Sport
PHED 471 Psycho/Social Aspects of Sports
PHED 487 Psychological Aspects of Coaching
PHED 505 Principles and Techniques of Supervising Student Teachers in Physical Education
PHED 510 Concepts of Curriculum Development
PHED 512 Administration of Physical Education
PHED 533 Applications of Exercise Physiology

PHILOSOPHY (PHIL)

Only one, 3 credit course from the following may be taken for credit:
PHIL 101 Reasoning and Value
PHIL 102 Reasoning and Human Nature
PHIL 103 Reasoning and Politics
PHIL 104 Reasoning and Religion
PHIL 105 Reasoning and Science
PHIL 111 Foundations of Logical Reasoning

PHIL 111 Foundations of Logical Reasoning (3 credits)
This course introduces the student to the intellectual foundations, conceptual frameworks and methodologies of logic. It examines the distinctions between arguments and nonarguments, premises and conclusions, deductive and inductive arguments, explicit and implicit premises, and key valid and invalid argument forms. It explores the kinds of reasons that are relevant to major foundational projects for acquisition and increase of knowledge, the function of logic in the context of theories about meaning, knowledge, values or reality, and how to apply logical reasoning to controversies in ethics, politics, science or religion.

PHIL 135-136 Freshman Honors Colloquium (1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor
Freshman Honors Colloquia in Philosophy allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. PHIL 135 fall semester, PHIL 136 spring semester

PHIL 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topical courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

PHIL 203 Happiness and the Meaning of Life (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course provides a framework for thinking about happiness and life’s meaning by considering such questions as: What is happiness and how can it be attained? Is happiness the main, or only, goal in living a good life? Does life have a meaning? Is living morally a condition of having a good

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Course Descriptions

PHIL 204 Sex and Personal Relations (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines central topics in the philosophy of sex including questions such as: What is the philosophical significance of sex? Can we justify the distinction between good and bad sex? Moral and immoral sex? Normal and perverted sex? Is the language of sex sexist? What is love and how is it related to reason and emotion? Can friendship be distinguished from love? Does prostitution or pornography degrade persons? Offered alternate years (CHUM)

PHIL 205 Medical Ethics (3 credits)
Prerequisite: One 100-level course in philosophy
This course explores issues of life and death including questions such as: Is abortion ever justified? Is euthanasia ever justified? Does the patient ever have the right to refuse life-saving treatment? Does a doctor have the right to withhold information from patients? Do the parents or society have the right to determine what is the best treatment, if any, for a child? Is suicide ever justifiable? On what basis should limited medical resources be allocated? Offered alternate years (CHUM)

PHIL 212 Philosophies of India (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines some of the central ideas and issues found in past and contemporary Vedanta, Yoga, and Buddhism, especially as they illuminate Asian/Western misunderstandings and relationships. Emphasis will be placed on concepts of moral value, human nature, salvation, harmony and pluralism. Offered alternate years (CGCL; CHUM; CMCL; CWRT)

PHIL 213 Philosophies of China and Japan (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines some of the central ideas and issues found in past and contemporary Confucianism, Taoism, Buddhism and Shintoism, especially as they illuminate Asian/Western misunderstandings and relationships. Emphasis will be placed on concepts of moral value, human nature, salvation, harmony and pluralism. Offered alternate years (CGCL; CHUM; CWRT)

PHIL 215 Environmental Ethics (3 credits)
Prerequisite: 3 credits in philosophy
What is the basis of distinctions between human and animal, culture and nature, domestic and wild, civilized and primitive, the ethical and the natural? This course will examine these issues by pursuing questions such as: Does the value of nature consist entirely in how it can be used by humans? Do animals exert a moral claim on humans? Does wilderness have value in itself? Is there an obligation to use natural resources for human welfare? Are famine, population growth and pollution merely economic issues of resource distribution? Offered alternate years (CHUM)

PHIL 216 Values and Technology (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
The development and application of modern technology have influenced human choices, self-understanding, and social organization. This course will examine the value implications of controversies such as reproductive technologies and choice, censorship and privacy on the Internet, DNA research and its applications, advertising in the classroom, and monopoly control of communication technologies. Offered alternate years (CHUM)

PHIL 229 Explaining the Paranormal (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
An application of ideas about personal experience, problem-solving, evidence, observation, testimony, theory-acceptance, and proof to claims about paranormal phenomena including ESP, near-death experiences, UFO abductions, psychic forecasting, miracle cures, and reincarnation. The course considers the extent and limits of our ability to explain such phenomena as well as the arguments of those who are skeptical about the paranormal. Offered alternate years (CHUM)

PHIL 232 Philosophy and Feminist Thought (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines issues in contemporary feminist thought as it has emerged from Western philosophy, such as: Are there distinctively feminist accounts of human nature, society and persons? Do interpretations of rationality, thought and experience reflect gender experiences? Do positions on moral issues reflect gender differences? Do feminist theories of gender, culture and power have social and political applications? Is feminism anti-male? (Formerly PHIL 332) Offered alternate years (CHUM; CMCL)

PHIL 235 Human Rights and Human Liberties (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course explores different theories of the grounding, nature, and scope of rights and liberties, such as: What does it mean to call something a "human right"? How should we understand liberty? Are there different conceptions of liberty underlying different political theories? Other topics include such things as the relation between rights and responsibility, the relation between a theory of morality and a system of legal rights, and the possible conflicts between liberty and community. (CHUM)

PHIL 242 Philosophy of Human Nature (3 credits)
Prerequisite: One 100-level course in philosophy
This course will be a study of ancient and modern theories of human nature. We will investigate topics such as freedom and determinism, good and evil, race and gender, mind and consciousness, and society and politics. Each of these topics will be considered as possible aspects of human nature, in pursuit of the notion a human self.

PHIL 248 Buddha, Socrates, Jesus (3 credits)
Prerequisite: One 100-level course in philosophy
Each of these major paradigms of human possibility – Buddha, Socrates, Jesus – represents a markedly different tradition – respectively, Indian, Greek, Jewish; a different understanding of religiosity – atheistic, agnostic, theistic; a different mode of religious practice – meditation, inquiry, fideism; a different hope for human possibility – release, Understanding, salvation; and myriad interpretations by critics and followers alike of what their respective lives meant and mean. Students will be expected to discern and address the philosophical issues that arise out of these figures and develop in response their own considered views. Offered alternate years (CHUM; CGCL; CWRT)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
PHIL 286-287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor. One 100-level, 3 credit course in philosophy and consent of the instructor
Sophomore Honors Colloquia in philosophy allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. PHIL 286 fall semester, PHIL 287 spring semester.

PHIL 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: 198; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

PHIL 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

PHIL 301 Plato and Aristotle (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines selected works of Plato and Aristotle on such issues as the nature of philosophy, the method of inquiry, the ground and possibility of knowledge, the reality of form and psyche, deliberation and human good and the ideal society. Offered alternate years (CGCL; CHUM; CWRT)

PHIL 302 Topics in Philosophy (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course offers various topics of special interest to philosophers, including topics in the history, problems, and methods of philosophy. The course will be offered from time to time and may be taken for credit more than once with change of topic. (CHUM; CWRT)

PHIL 303 Major Modern Philosophers (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines selected works of the more prominent philosophers of the seventeenth and eighteenth centuries, including Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant. It explores their metaphysical and epistemological views, as well as the systematic approaches they take to solving some difficult philosophical puzzles. (CGCL; CHUM; CWRT)

PHIL 304 Symbolic Logic (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course explores the ideas and techniques of symbolic logic that are of use in understanding, developing and appraising natural deductive arguments. Offered alternate years

PHIL 305 Philosophy of Law (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines law and justice, the structure of legal reasoning, the nature and justification of the adversary system, lawyers' roles and ethics and questions such as: Should confidentiality, zealous advocacy, plea bargaining or the insanity defense be abolished? Is punishment morally defensible? What is the basis for legal interference with individual liberty? Do lawyers have an obligation to defend clients they find repulsive? Offered alternate years (CHUM; CWRT)

PHIL 306 Philosophy of Art (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines philosophical questions arising in connection with the identification, interpretation and evaluation of art and its creation and questions such as: What is art? Is there a valid way to distinguish art from non-art and good art from bad art? Are there ways to establish the meaning of a work of art, or is all interpretation subjective? Do artists have moral responsibilities as artists? Should the government subsidize art? Offered alternate years (CHUM; CWRT)

PHIL 307 Philosophy of Religion (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course critically examines the nature and justification of religious claims, including discussion of: What are the grounds for belief or disbelief in God's existence? Is religious discourse meaningful? Do faith and reason conflict? Is belief in immortality intelligible and/or defensible? Is religious knowledge possible? Are revelation and religious experience reliable sources of truth? Is it rational to believe in miracles? Is atheism a religion? Offered alternate years (CHUM; CWRT)

PHIL 308 Amoralism, Egoism, and Altruism (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course discusses amoralism, egoism, and altruism as alternative life plans, raising such questions as: What is self-interest? Is being an egoist compatible with bonds of...
trust, friendship and love? Can we ever be true altruists? Is morality more rational than immorality? Are our ultimate life plans and commitments defensible? Why be moral? Offered alternate years (CHUM; CWRT)

PHIL 334 Free Will, Determinism, and Responsibility (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
This course examines main topics and problems in the philosophy of action and agency, including: What is free will and do we have it? Are our motives, desires, and intentions determined? When, if at all, are we responsible for what we do? What implications does free will (or its absence) have for autonomy and legal liability, as in the insanity defense? Offered alternate years (CHUM; CWRT)

PHIL 402 Knowledge and Truth (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
Note: May be taken for graduate level credit with the consent of the department chairperson
This course examines both historical and recent discussions of problems and arguments concerning knowledge, belief, skepticism, justification, objectivity, relativism and truth. Questions include: Can we have knowledge? Does knowledge entail certainty? Are there sources of knowledge that transcend the senses? Are we justified in believing that there is an external world? Is there one objective reality or many alternative realities? What is truth? Is truth relative? Offered alternate years (CHUM; CWRT)

PHIL 403 Ethics and Action (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
Note: May be taken for graduate level credit with the consent of the department chairperson
This course examines both historical and recent discussions of problems and arguments concerning moral reasons, knowledge, character, motivation, justification, judgments, and action. Questions include: Can we have moral knowledge? If so, in what does it consist? Are moral disagreements capable of rational resolution? What does it mean to be moral? Are there morally preferable ideals, qualities of character, and ways of life? Are there moral facts or truths independent of human desires, preferences, and agreements? (CHUM; CWRT)

PHIL 404 Mind and Language (3 credits)
Prerequisite: One 100-level, 3 credit course in philosophy
Note: May be taken for graduate level credit with the consent of the department chairperson
This course examines both historical and recent discussions of problems and arguments concerning mind, consciousness, emotion, personal identity, meaning, privacy, causality and behavior. Questions include: What is the mind? What is the relationship between mind and body? Can reasons, emotions, and motives cause behavior? What is consciousness? Can we have knowledge of the mental states of others? Can there be an exclusively private language for our own feelings? Will there ever be a machine that can think and feel? Do animals have minds and language? Is language innate? (CHUM; CWRT)

PHIL 450 Senior Seminar in Philosophy (3 credits)
Prerequisite: Senior standing in any major and 4 courses in philosophy, or consent of the instructor

*May be taken for graduate level credit*

This course will integrate the students' previous studies in philosophy with their present work, culminating in a three-part reflective essay on their philosophical progress in the areas of history of philosophy, philosophical problems, and applications of philosophy to other disciplines. Students and philosophy faculty will engage in discussions based on selected readings and research presentations by the faculty in various areas of philosophy. Spring semester (CWRT)

PHIL 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students; one 100-level, 3 credit course in philosophy
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Either semester

PHIL 499 Directed Study in Philosophy (1-3 credits)
Prerequisite: Consent of the department; formal application required
This course is open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

Other Approved Courses:
PHIL 101 Reasoning and Value
PHIL 102 Reasoning and Human Nature
PHIL 103 Reasoning and Politics
PHIL 104 Reasoning and Religion
PHIL 105 Reasoning and Science
PHIL 201 Rational Thinking
PHIL 207 Philosophy of Education
PHIL 210 Liberation Ethics
PHIL 303 American Philosophy
PHIL 338 Honors Tutorial
PHIL 339 Honors Tutorial
PHIL 502 Research
PHIL 503 Directed Study

**PHYSICAL SCIENCE (PHSC)**

PHSC 501 Problem Solving in Physical Science (3 credits)
This is the introductory course for the MAT in Physical Science Program. This course uses a content-rich problem-based approach. The course will introduce the process and culture of teaching physical science. This course will weave the Curriculum Frameworks and MCAS expectations with instructional strategies. Students will be introduced to resources for teaching physical science.

PHSC 590 Integrated Physical Science (3 credits)
Prerequisite: PHSC 501 and 12 credits in electives from MAT in Physical Science
This is the capstone course for the MAT in Physical Science Program. The course will continue and refine the process and culture of teaching physical science. This course uses a content-rich problem-based integrated science approach. The course will allow students to bring together their
content mastery in science with the pedagogy developed in their education courses and develop ways to put them into practice.

**PHYSICS (PHYS)**

**PHYS 100 Physics in the Natural World (4 credits)**
This course considers the key scientific concepts underlying physics and how they relate to the environment. Among the topics to be considered are mechanics, heat, electricity, magnetism, optics and sound, modern physics and an historical overview of the physical sciences. This course is suitable for majors other than those in the Physical and Biological Sciences seeking basic knowledge of physics. Three hours of lecture and one two-hour laboratory period weekly. *Spring semester (CNSL; CQUR)*

**PHYS 102 Modern Physics for the Humanist (3 credits)**
The principal theme of this course is 20th century attempts to understand the basic laws of nature and their relationship to us. Among the topics to be considered are classical physics, the theory of relativity, atomic structure and quantum theory along with their implications for philosophy and technology. *Either semester (CNSL; CQUR)*

**PHYS 107 Exploring the Universe (4 credits)**
This course will explore the sun, stars, their life cycles, and the galaxies. Theories of the composition and origin of the solar system, the universe and life will be studied. Students observe celestial objects including the moon, sun, planets, stars, nebulae, and galaxies using the college's observatory. Three hours of lecture, one two-hour laboratory and several viewing sessions. *Fall semester (CNSL; CQUR)*

**PHYS 135 Freshman Honors Colloquium (1 credit)**
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor. Freshman Honors Colloquia in Physics allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. *Offered fall semester*

**PHYS 136 Freshman Honors Colloquium (1 credit)**
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor. Freshman Honors Colloquia in Physics allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. *Offered spring semester*

**PHYS 180 Energy and its Social Uses (3 credits)**
The basic physical laws of energy are presented. Environmental consequences of solar, fossil, hydro and nuclear energy generation are analyzed. *Either semester (CNSL; CQUR)*

**PHYS 181 Elements of Physics I (4 credits)**
The language and methods of physics as illustrated in mechanics, heat and sound are studied. Applications of fundamental principles of physics to all branches of physical science are examined. Three hours of lecture and one two-hour laboratory period weekly. *Fall semester (CNSL; CQUR)*

**PHYS 182 Elements of Physics II (4 credits)**
Prerequisite: PHYS 181
Principles of electricity, magnetism, optics and modern physics are studied. Three hours of lecture and one two-hour laboratory period weekly. *Spring semester (CNSL; CQUR)*

**PHYS 183 Aviation Physics (4 credits)**
Prerequisite: PHYS 181
Principles of physics will be applied to topics in aviation science. This course will use the fundamental physics principles taught in Elements of Physics I (PHYS 181) and apply them to aviation science. The course will also apply topics introduced in a traditional second semester course such as heat, electronics and electricity to the field of aviation. Furthermore, the course will cover aerodynamics in depth. Three hours of lecture and one two-hour laboratory weekly. *CNSL; CQUR*

**PHYS 199 First Year Seminar (3 credits)**
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. *Students with 24 or more transfer credits will have this requirement waived.*
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. *CFYS*

**PHYS 243 General Physics I (4 credits)**
Prerequisite: MATH 151 or equivalent
This is a calculus-based beginning course in physics which emphasizes the study of kinematics, dynamics and heat. Three hours of lecture and one three-hour laboratory weekly. *Either semester (CNSL; CQUR)*

**PHYS 244 General Physics II (4 credits)**
Prerequisite: PHYS 243
This course is a calculus-based study of electricity, magnetism and light. Three hours of lecture and one three-hour laboratory period weekly. *Either semester (CNSL; CQUR)*

**PHYS 286 Sophomore Honors Colloquium (1 credit)**
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor. Sophomore Honors Colloquium in Physics allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper...
or scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. Offered fall semester.

PHYS 287 Sophomore Honors Colloquium (1 credit)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor.
Sophomore Honors Colloquium in Physics allows exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Conferences meet once a week for fifty minutes and culminate in a paper or a scientific project, which provides the major part of the grade. The minimum enrollment is two and the maximum is twelve. Topics vary from semester to semester. Offered spring semester.

PHYS 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

PHYS 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

PHYS 338 Honors Tutorial (3 credits)
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor.
Special topics in physics. Three hourly meetings weekly. Offered fall semester.

PHYS 339 Honors Tutorial (3 credits)
Prerequisite: Open to Commonwealth and departmental honors students.
Special topics in physics. Three hourly meetings weekly. Offered spring semester.

PHYS 401 Modern Physics (4 credits)
Prerequisite: PHYS 244.
Theory of relativity; atomic structure; quantum theory; nuclear physics and elementary particles. Three hours of lecture and one three-hour laboratory period weekly. Fall semester.

PHYS 402 Quantum Mechanics (3 credits)
Prerequisite: PHYS 403.
Wave nature of matter, the Schrodinger equation; application of the Schrodinger equation to the electron, the hydrogen atom, multi-electron atoms and radiation. Offered alternate years, spring semester.

PHYS 403 Mathematical Physics (3 credits)
Prerequisite: PHYS 244 and MATH 251.
Vector analysis; matrices, linear differential equations; Sturm-Liouville theory; Fourier series; orthogonal functions; Laplace transform. Spring semester.

PHYS 409 General Relativity and Cosmology (3 credits)
Prerequisite: PHYS 401.
Students learn Einstein's general theory of relativity, and the role differential geometry and general covariation play in physics. The class includes significant discussions of modern cosmology, experimental evidence for relativity, and the results of current and ongoing astrophysical measurements. Offered alternate years.

PHYS 414 Experimental Physics (3 credits)
Prerequisite: PHYS 401.
An introduction to advanced experimental techniques of physics. Students will perform historically ground-breaking experiments using modern equipment. There will be one lecture and two two-hour laboratory sessions per week. Spring semester.

PHYS 422 Computer Simulation in Physical Science (3 credits)
Prerequisite: PHYS 243 and PHYS 244 or PHYS 182 or consent of instructor.
The course introduces methods of computer simulation and its diverse applications. The course is project-oriented. Projects may include planetary motion, chaotic systems, fractal phenomena, random systems, and thermal systems. Methods include the numerical solution of differential equations and Monte Carlo techniques. The course emphasizes structured programming and is recommended for science majors as an introduction to programming. Two hours of lecture, and one two-hour laboratory period weekly. No background in computer programming is required.

PHYS 433 Thermal Physics (3 credits)
Prerequisite: PHYS 244.
Thermodynamics; kinetic theory; and statistical mechanics. Offered alternate years, fall semester.

†May be taken for graduate level credit.
Course Descriptions

PHYS 435 Optics (3 credits)
Prerequisite: PHYS 244
Study of geometrical and physical optics. Offered alternate years, fall semester

PHYS 438 Electricity and Magnetism (3 credits)
Prerequisite: PHYS 244
The theory and applications of the fundamental equations of electromagnetism. Offered alternate years, fall semester

PHYS 439 Mechanics (3 credits)
Prerequisite: PHYS 243
Vector treatment of forces, torques: dynamics of particles and rigid bodies; work and energy; momentum; small oscillation theory; Lagrangian and Hamiltonian formulation of dynamics. Offered alternate years, fall semester

PHYS 442 Digital Electronics I (4 credits)
Prerequisite: College-level course in physics or consent of the instructor
Elements of digital electronics: Boolean algebra of switching circuits, binary logic circuits, digital computer logic circuits. Three hours of lecture and one three-hour laboratory period weekly. Fall semester

PHYS 458 Advanced Electricity and Magnetism (3 credits)
Prerequisite: PHYS 438
A continuation of PHYS 438, Maxwell's equations and their connection to special relativity is explored. The propagation of electromagnetic radiation predicted by Maxwell, the transfer of energy determined by Poynting's theorem, and the relativistic generalization of the Larmor formula for the radiation by accelerated charges will be studied. Offered alternate spring semesters

PHYS 459 Advanced Mechanics (3 credits)
Prerequisite: PHYS 439
A more in-depth study of mechanics than PHYS 439. This course prepares the student for graduate work. Offered alternate spring semesters

PHYS 460 Advanced Quantum Mechanics (3 credits)
Prerequisite: PHYS 402
A more in-depth study of quantum mechanics than PHYS 402. This course prepares students for graduate work. Offered alternate fall semesters

PHYS 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students; formal application required
One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Departmental Honors Committee. Offered fall or spring semester

PHYS 498 Internship in Physics (3-15 credits)
Prerequisite: Consent of the department; formal application required
Laboratory experience in industrial or government laboratories, or academic laboratories at other institutions. Either semester

PHYS 499 Directed Study in Physics (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

PHYS 502 Research (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent or Directed Study" in the "School of Graduate Studies" section of this catalog.

PHYS 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog.

PHYS 560 Special Topics in Physics Teaching
(variable credit)
Special topics of current relevance in physics education. The topic to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the adviser.

PHYS 581 The Physics of the Environment (3 credits)
The generation and utilization of energy and their environmental impact. Energy sources included are solar, wind, hydroelectric, nuclear, geothermal, fusion.

PHYS 583 Physics of the Atom (3 credits)
Prerequisite: Consent of the instructor
A study of the atomic view of matter and radiation. Topics included are the kinetic theory of gases, theory of the electron, Bohr's theory of the atom, many electron atoms, theory of molecules and spectra, and the theory of relativity.

PHYS 584 Physics of the Nucleus and Elementary Particles (3 credits)
A study of the nucleus and relationship of elementary particles. The topics included are nuclear structure, radioactivity, nuclear reactions, nuclear accelerators, conservation laws, symmetry and invariance principles, unified view of the elementary particles and cosmic rays.

PHYS 589 Physics of the Solar System (3 credits)
Physical properties and motion of the members of the solar system and interplanetary medium.

PHYS 591 Special Topics in Modern Physics (3 credits)
Prerequisite: PHYS 401
Topics to be selected from the areas of the Theory of Relativity, Quantum Mechanics, Solid State and Nuclear Physics.

† May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
PHYS 592 Research Problems in Physics  
(credit to be arranged)  
Prerequisite: Consent of the department  
Special projects for advanced students desiring individual instruction in the methods of research in physics. This course may be repeated.

PHYS 593 Special Topics in Secondary School Science  
(3 credits)  
An introduction to the environmental and energy-related physical science topics presented in the secondary school science curricula. Special emphasis will be placed upon the science content found in these curricula materials. Lectures, seminars, laboratory work, workshops and model classes will be included in this course.

PHYS 594 Special Topics in Junior High Science I  
(3 credits)  
An introduction to junior high science programs. Special emphasis will be placed upon the science content found in these curricula materials. Lectures, seminars, laboratory work and model classes will be included in this course.

PHYS 597 Special Topics in Elementary Science  
(3 credits)  
An introduction to elementary school science materials. Special emphasis will be placed upon the study of the science content included in these materials. Lectures, laboratory work, seminars, workshops, and model classes will be included in this course. This course may be repeated for different topics.

Other Approved Courses: 
PHYS 191 Engineering Physics I  
PHYS 192 Engineering Physics II  
PHYS 193 Engineering Physics III  
PHYS 200 Survey of Physics  
PHYS 291 Engineering Mechanics I  
PHYS 292 Engineering Mechanics II  
PHYS 375 Wave Theory  
PHYS 391 Solid State Physics  
PHYS 405 Nuclear Physics  
PHYS 408 Astrophysics  
PHYS 444 Digital Electronics II  
PHYS 525 Problem Solving in Chemistry and Physics  
PHYS 550 Physics for Teachers - A Modern Review  
PHYS 585 Physics of the Solid State  
PHYS 587 Radiation Physics I  
PHYS 588 Radiation Physics II

POLITICAL SCIENCE (POLI)  

POLI 100 Politics in Contemporary Society (3 credits)  
This course introduces the world of politics with emphasis on basic concepts of political organizations, structures and theory balanced with current political affairs. Either semester

POLI 135-136 Freshman Honors Colloquium  
(1 credit each semester)  
Prerequisite: Open to Commonwealth Honors students and to others at the discretion of the instructor  
Freshman Honors Colloquia in Political Science allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project which provides the major part of the grade. The minimum enrollment is two and the maximum enrollment is twelve. Topics vary from semester to semester. POLI 135 fall semester, POLI 136 spring semester

POLI 172 Introduction to American Government  
(3 credits)  
The purpose of the course is to introduce students to the range of research on American political institutions and processes. We will examine the constitutional underpinnings of American government, the role of political parties, interest groups and the media in the system. We will also explore the changing character of political institutions: the presidency, Congress, and the courts. (CSOC; CUSC)

POLI 199 First Year Seminar (3 credits)  
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.  
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

POLI 201 Citizenship and Community Leadership  
(3 credits)  
This course explores three fundamental questions: (1) What do we mean by "citizenship" and why do we care about "good" citizenship?; (2) What is the nature of leadership and how do we develop strong, effective leaders?; and (3) How might we effectively engage citizens and public leaders together in democratic governance to produce solutions to social, economic, and political problems? A service learning course requirement will guide the student toward discovery of the role of citizenship in strengthening and improving communities. Students will also be expected to attend campus events that are related to civic education, community leadership, and political affairs.

POLI 260 International Relations (3 credits)  
This course introduces modern world politics, with emphasis on change and continuity in the structure and processes governing relations within the international community. Emphasis will be placed on the nation-state, dilemmas facing the global community. Either semester (CSOC)

POLI 274 Western Political Thought - Plato to the Present (3 credits)  
This course covers the principal ideas and philosophies of politics articulated by philosophers and political thinkers since ancient times. The student will be introduced to many of the age-old and puzzling questions of how people can best govern themselves using legal, institutional and behavioral approaches. Fall semester (CSOC; CWRT)

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
POLI 275 Comparative Government (3 credits)
Political behavior and government systems in Great Britain, France, Russia, etc. Fall semester (CSOC; CGCL; CMCL)

POLI 277 American Government: State and Local
(3 credits)
Prerequisite: POLI 172
This course focuses on state government and politics with emphasis on Massachusetts affairs. Either semester (CSOC; CUSC)

POLI 279 Introduction to Public Administration (3 credits)
The relationship of the administrative branch of government to other branches in the making and implementation of public policy; theories of government organization for efficient administration; problems of budgeting, personnel, merit systems, type of agency organization, popular control over the bureaucracy. Either semester (CSOC; CUSC)

POLI 285 Law and the Judicial Process (3 credits)
This course provides an introduction to law and the judicial process in the United States and around the world. It examines different types of legal systems and sources of law, various competing theories of jurisprudence and legal methodology, the organization, operation, and powers of courts, the selection and retention of judges, and the role of the legal profession in society. Particular emphasis will be placed on legal reasoning and the judicial decision-making process in a variety of issue areas, including administrative, environmental, constitutional, criminal, civil, and statutory law cases. (CSOC; CUSC; CWRT)

POLI 286-287 Sophomore Honors Colloquium
(1 credit each semester)
Prerequisite: Consent of the instructor
Freshman Honors Colloquia in Political Science allow exceptionally able students to explore a challenging topic in small classes under close faculty supervision. Colloquia meet once a week for fifty minutes and culminate in a paper or scientific project which provides the major part of the grade. Open to Honors Students and to others at the discretion of the instructor. The minimum enrollment is two and the maximum enrollment is twelve. Topics vary from semester to semester. POLI 286 fall semester, POLI 287 spring semester

POLI 298 Second Year Seminar (Speaking Intensive)
(3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

POLI 299 Second Year Seminar (Writing Intensive)
(3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

POLI 301 Model Senate Practicum (1 credit)
Prerequisite: POLI 172 and consent of instructor
Students will role play as United States senators. Each student will become familiar with the issue positions of his or her assigned senator, the senator's voting behavior, and the characteristics of the senator's state and constituents. Students will develop an understanding of the United States Senate's power and the rules and procedures that govern its day-to-day operations. All students will participate in both the Floyd M. Riddick Model Senate at Stetson University and the High School Model Senate at Bridgewater State College. One credit per semester; may be taken up to four times.

POLI 302 Moot Court and Mock Trial Practicum (1 credit)
Prerequisite: POLI 172 and consent of instructor
This course involves students adopting the roles of both lawyers and witnesses in "mock" civil and criminal cases, and/or participating as lawyers arguing cases before appellate courts in "mock" court competitions. Students will be expected to participate at local, regional, and national competitions, and in doing so will acquire first-hand knowledge of what it is like to be both an attorney arguing a case before a judge, and a witness on the stand providing testimony. In addition, students will gain valuable experience in preparing opening statements and closing arguments, writing briefs, cross-examining witnesses, and providing authentic, credible testimony. One credit per semester; may be taken up to four times.

POLI 330 Asian Politics (3 credits)
Prerequisite: POLI 275
This course will introduce students to the politics and culture of China, Japan, and Korea. The course will look at both domestic and foreign policy of those nations that make up the Pacific Rim as well as the implications for U.S. policy.

POLI 338/339 Honors Tutorial in Political Science
(3 credits)
Prerequisite: Consent of the political science department
Special topics in Political Science. Open to Commonwealth and Departmental Honors students.
POLI 341 Constitutional Law and Politics: The Powers of Government (3 credits)
This course offers a close analysis of the structure and power of those institutions comprising the U.S. national government. Legal decisions pertaining to judicial, congressional, and executive power, as well as the doctrines of separation-of-powers and federalism, will be carefully examined. The course concludes with an examination of the Constitution's protection of economic liberty and property rights.

POLI 342 Constitutional Law and Politics: The First Amendment (3 credits)
This course examines major court decisions involving disputes pertaining to the First Amendment of the U.S. Constitution. In particular, cases regarding freedom of speech, the press, religion, and the right to associate will be extensively studied. The course also considers the broad limits placed on the government by the First Amendment's Establishment Clause.

POLI 343 Constitutional Law and Politics: Liberty and Equality (3 credits)
This course addresses the scope of the individual's rights to liberty and equality under the 5th, 9th, and 14th Amendments of the U.S. Constitution. It examines the evolution of legal doctrine regarding the unequal treatment of individuals by public and private actors, including discrimination based on race, ethnicity, religion, sex, sexual orientation, class, age, and (dis)abilities. The course also analyzes the scope of liberty and privacy in the United States, with particular attention devoted to procedural and substantive due process, sexual freedom, procreation and child-rearing, the right to die, and personal information and workplace privacy.

POLI 344 Constitutional Law and Politics: Rights of the Accused (3 credits)
This course addresses how the U.S. Constitution — particularly the 4th, 5th, 6th, 8th and 14th Amendments — along with state and federal statutes, protect individuals being processed by the criminal justice system. Issues and case law pertaining to searches and seizures, compelled-self-incrimination, grand jury indictment, trial by jury, speedy and public trials, double jeopardy, the right to counsel, cruel and unusual punishment, and due process will be rigorously examined.

POLI 350 Research Methods in Political Science (3 credits)
Prerequisite: One Core Curriculum Requirement in Foundations of Mathematical Reasoning
This course provides students with a foundation for reading and assessing the quality of published research in the social sciences, with particular emphasis on the research techniques common in political science and public administration. It introduces the concepts of theory development, hypothesis testing and statistical significance, and provides students with the rudimentary skills, from literature review searches through data analysis, necessary to conduct their own research. Writing is emphasized. (CSOC, CUR)

POLI 361 International Political Economy (3 credits)
Prerequisite: POLI 260
This course examines the reciprocal interaction between states and markets, with a particular emphasis upon the ways in which national and international politics structure international economic relations. The course reviews in depth the development and evolution of the postwar economic regimes in money and trade. The course will also examine the role and effects of multinational corporations, the issue of development and alternative development models, the debt crisis, and international struggle for the control of oil. Finally, some important issues and debates within the field of international political economy will be considered.

POLI/COMM 364 Political Communication (3 credits)
Prerequisite: Restricted to juniors or above or consent of the instructor
This class surveys political communication with an emphasis on forms, characteristics, and functions within political campaigns and institutional governance. Specific attention will be given to communication of the three branches of government. Students will gain a broad knowledge of how political communication can shape expectations and interpretations of current events, political actors, and the political process.

POLI 365 International Politics of the Environment (3 credits)
Prerequisite: POLI 260
This course focuses on some of the major issues of global environmental politics — those environmental problems which transcend state boundaries and whose resolution requires state cooperation and the efforts of states to negotiate environmental agreements. Cases will include, among others, the control of ozone depletion, the limitation of global warming, and the preservation of forests and bio-diversity.

POLI 368 American Political Thought (3 credits)
Prerequisite: POLI 172 or consent of the instructor
This course examines the principal issues and ideas of the American colonial, revolutionary, and founding periods and their influence on, and relevance to, contemporary American politics.

POLI 370 Canadian Foreign Policy: Actors and Issues (3 credits)
Prerequisite: POLI 260 or consent of the instructor
The objective of the course is to develop a comprehensive understanding of Canadian foreign policy. As such, the course will focus on 1) Canada's foreign relations with several important actors (the United States, Europe, the Commonwealth, Latin America, Africa, countries of the North Pacific, and the United Nations) in the international political system; and 2) the conduct of Canadian foreign policy in select issue areas, including the international political economy, the environment, arms control and disarmament, peacekeeping, developmental assistance, and refugees.

POLI 372 Legislative Process and Procedure (3 credits)
Prerequisite: POLI 172
An examination of the United States Congress. Emphasis on internal structure and operations, congressional rules and procedures, party leadership, committee system and seniority, external influences on Congress, incentives for congressional behavior, and constitutional limitations.
## Course Descriptions

**POLI 374 Modern Political Theory (3 credits)**  
**Prerequisite:** POLI 172  
The ideas of major political thinkers in the era of the modern nation-state. *Spring semester*

**POLI 375 American Political Parties and Interest Groups (3 credits)**  
**Prerequisite:** POLI 172  
An examination of American political party organizations, political leadership, finance, campaign techniques, the historical development of the American party system, party identification, legal controls over parties, the functions and methods of pressure groups and their interaction with policy makers, the role of surrogate organizations such as the media and political consultants, the significance of political parties and pressure groups for democratic ideology, and the problems of political leadership in a democracy.

**POLI 376 Urban Politics (3 credits)**  
**Prerequisite:** POLI 172 and POLI 277  
Emphasizes both the formal and informal political institutions and processes in American cities and suburbs, including governmental structures, political parties, interest groups, and service delivery systems. Special attention is given to the multilingual and multicultural context within which urban politics in the United States takes place.

**POLI 377 Canadian-American Political Relations (3 credits)**  
**Prerequisite:** POLI 260 or consent of the instructor  
The course will specifically examine the Canadian-American political relationship through the review of prominent bilateral security, economic, environmental and jurisdictional issues. Principal emphasis will be placed on analyzing bargaining between Ottawa and Washington over a wide range of select case studies.

**POLI 379 Voters, Elections and Campaigns (3 credits)**  
**Prerequisite:** POLI 172  
An examination of how citizens make electoral decisions, including the decision to participate in elections. The course compares models of voter behavior and probes the influence of such factors as party identification, opinions on issues, ideological orientations, and candidate evaluations; the social and economic context of voting is also examined, as is the importance of elections for policymaking and the functioning of the political system. In addition, the politics of candidate nominations is explored — mass media coverage and opinion polling; the citizen’s involvement in campaign politics; voter attitudes toward parties, candidates, and issues; and the interpretation of electoral outcomes.

**POLI 380 Public Opinion and Mass Political Behavior (3 credits)**  
**Prerequisite:** POLI 172  
An examination of the nature of contemporary public opinion in the United States, the way in which political attitudes and beliefs find expression in electoral behavior and the conditions under which public sentiment is translated into public policy and government action. The goal is to understand political conflict and debate in the U.S. and the ways in which the public influences that debate. Major topics in public opinion include political tolerance and trust, attitudes toward women and minorities, the role of mass media and the impact of political values and ideology on political campaigns and elections.

**POLI 381 United States-Latin American Relations (3 credits)**  
**Prerequisite:** POLI 172 and POLI 260  
The evolution and current status of the political, economic and strategic relationship between the United States and the Latin American nations. *Offered alternate years*

**POLI 382 Latin American Government and Politics (3 credits)**  
**Prerequisite:** POLI 172 and POLI 275  
A survey of the current governing structures and the general political conditions in the major Latin American nations. *Offered alternate years*

**POLI 384 United States Foreign Policy (3 credits)**  
The study of the national interests and policy instruments that have formed and guided the foreign relations of the United States in the post 1945 period. *Offered alternate years, spring semester*

**POLI 386 Canadian Politics (3 credits)**  
**Prerequisite:** POLI 172 and POLI 275 or consent of the instructor  
An intensive study of the Canadian political system, with particular emphasis on Canada’s constitutional turmoil, political institutions and electoral behavior. *Offered alternate years*

**POLI 387 Government and Politics of Africa (3 credits)**  
**Prerequisite:** POLI 172 and POLI 275, or consent of the instructor  
An introduction to the organization and processes of African politics centering on the political evolution of contemporary Africa in general but with specific attention to selected nations as appropriate. *Offered alternate years, spring semester*

**POLI 389 Racial Politics in the United States (3 credits)**  
**Prerequisite:** POLI 172  
This course explores racial politics in the United States. It examines classic and contemporary scholarship on the following topics: social movements; collective action; voting and turnout; key provisions of the Voting Rights Act; social science perspectives on the Voting Rights Act; the concept of voting rights and democratic theory; the relationships between race; representation and political institutions; party politics and racial reorientation; the magnitude and structure of intolerance and its implications for democracy; and the causes and consequences of political socialization.

**POLI 390 Public Finance (3 credits)**  
**Prerequisite:** POLI 279 or consent of the instructor  
The role of government in a market economy; the role

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**Note:** This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.  
**Note:** See Catalog Web Addenda at www.bridgew.edu/catalog addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

of taxation in a market economy; principles of taxation; problems of budgeting, government expenditure and debt; and economic growth. Spring semester

POLI 391 The American Presidency (3 credits)
Prerequisite: POLI 172
The purpose of the course is to explore the institution of the American presidency. It examines the constitutional prerogatives and organizational structure of the presidency, how presidential power developed historically, presidential selection and the nomination process, and decision-making. In addition, the course explores the relationship between the presidency and other institutions, both political and nonpolitical: the Congress, the bureaucracy, the courts and the media.

POLI 392 Democratic Theory and Democratization (3 credits)
Prerequisite: POLI 275 or consent of the instructor
The course considers the contemporary challenges to democracy in terms of the great issues posed by both democratic theorist and philosophers. These views will be analyzed in terms of the authoritarian, military, religious, ethnic, and economic problems faced by countries undergoing democratization.

POLI 399 Collective Bargaining in the Public Sector (3 credits)
Prerequisite: POLI 279 or consent of the instructor
An in-depth analysis of the issues behind collective bargaining, the ramifications of contract negotiations and the techniques and tactics which are used by both labor and management. Emphasis on analysis of contracts, legislation and use of negotiation teams. Offered alternate years

POLI 400 Special Topics in Political Science (3 credits)
Prerequisite: Nine (9) credits in political science or consent of the instructor
A topic of special interest to faculty and/or students will be explored. May be taken for credit more than once.

POLI 473 International Organization (3 credits)
Prerequisite: POLI 260
The purpose of this course is to develop a thorough understanding of the central concepts and theoretical issues involved in the study of international organizations. It will focus on both governmental and non-governmental international organizations, including the areas of trade, finance, security, economic development and human rights. Fall semester

POLI 475 Senior Seminar in Political Science (3 credits)
Prerequisite: Admission is subject to the consent of the department chairperson and the instructor. Students must register prior to the end of the pre-registration period. The undertaking of independent study and a research project presented in oral and written form. Either semester (CWRM)

POLI 476 Women and Politics (3 credits)
Prerequisite: POLI 172 or consent of the instructor
Analysis of the role of women in current American politics. The focus is on changing trends in women's electoral participation, political interest and office seeking over the last several decades, and recent gender differences in political involvement, candidate support, support for women's issues and support for other public policies.

POLI 479 Public Policy (3 credits)
Prerequisite: POLI 172 and POLI 277
A systematic study of theory and practice in the making and the execution of public policy including the factors of public demand on the political system; decision making in the public sector; tools and techniques for implementation and evaluation; and the import for future planning.

POLI 485 Honors Thesis in Political Science (3 credits)
Prerequisite: Consent of the department
This course is open to Commonwealth and Departmental Honors students. One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with Honors will be determined by the Departmental Honors Committee. Either semester

POLI 488 Politics and Development in the Third World (3 credits)
Prerequisite: POLI 260 and POLI 275 or consent of the instructor
A survey of the political dynamics of development in the Third World with special emphasis on the dominant theories of development, current critical issues in the Third World, internal and external forces affecting Third World countries, and the policy directions taken by developing nations. Offered alternate years

POLI 490 Political Science Studies in Oxford (3 credits)
Study of selected topics in political science including comparative politics. European government and law and legal systems. Open to juniors and seniors only.

POLI 495 Administrative Law and Regulation (3 credits)
Prerequisite: POLI 279 or consent of the instructor
The legal and regulatory systems of federal, state and local governments will be analyzed as to their relationship to policy implementation and administration. Emphasis will be placed on charters, ordinances, legislative power, and administrative control in areas such as finance, personnel, labor, land use, licensing and education. Offered alternate years (Formerly POLI 395)

POLI 498 Internship in Political Science (3-15 credits)
Prerequisite: Consent of the department chairperson; formal application required
A non-classroom experience intended to complement the academic preparation of a limited number of juniors and seniors majoring in political science. Placements are in areas such as federal, state, city and town governments and private interest groups. Either semester

POLI 499 Directed Study in Political Science (1-3 credits)
Prerequisite: Consent of the department chairperson; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
POLI 501 Introduction to Public Institutions and Administration (3 credits)
This course is designed to provide students with an understanding of the institutional, political, and normative context of public administration. The course will introduce students to the central issues, values, and dilemmas facing the contemporary public service professional. By the end of the course, the successful student should have a better appreciation and understanding of the political nature and dynamics of public service in a democratic society. It is to be taken among the first four courses in the program. Introductory/background information in American government or public administration is beneficial to students enrolling in this course. Either semester

POLI 502 Research (credit to be arranged)
Prerequisite: Consent of the department chairperson; formal application required
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent or Directed Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

POLI 503 Directed Study (credit to be arranged)
Prerequisite: Consent of the department chairperson; formal application required
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

POLI 505 Public Management (3 credits)
Prerequisite: POLI 501
This course gives students broad exposure to the job of the public manager including an introduction to the specific management areas. The course emphasizes both traditional and cutting edge principles of management. The topics include planning for public agencies, organizational structure and development, staffing, training, and motivating employees, leadership development, financing and budgeting for public programs, designing and implementing programs, management decision-making, evaluating and monitoring programs and ethical considerations for public managers. Spring semester

POLI 506 Public Administration Module (1 credit)
Prerequisite: Matriculation in the MPA program or consent of MPA program adviser
As part of the 15 credit hours of elective courses, each MPA student must take three credit hours of PA Training Modules. These modules earn one credit each, will be offered on a rotational basis, and are scheduled for either two Saturday sessions during the semester or for weekend "intensive" classes meeting for 15 hours. Students are expected to put in appropriate out-of-class time and must successfully pass any three of six modules covering ethics in public service, managerial communication, conflict resolution, diversity in public administration, constitutional rights and privacy in public administration, and current issues for public managers. Graded on a (P) Pass/(N) No Pass basis.

POLI 507 Introduction to Research in Public Administration (3 credits)
This course is an examination of basic research methods and their use in public administration both from the standpoint of public policy and public management. Topics covered include the scientific method, experimental and quasi-experimental research designs, sampling, and methods of data collection such as interviewing and questionnaire construction. The course provides students with practical experience using computer software for data analysis. Fall semester

POLI 510 Program Evaluation and Policy Analysis (3 credits)
Prerequisite: POLI 510
The primary objective of this course is to familiarize students with program evaluation theory and practice. It is designed to give students an understanding of the role of evaluation in the policy-making process, an ability to analyze evaluation designs and methods critically, and an ability to collect and analyze data to test the effects of governmental or organizational interventions. Emphasis is placed on both qualitative and quantitative analysis. Spring semester

POLI 521 Public Finance (3 credits)
This course covers the principal aspects of public financial management including accounting, budgeting, capital budgeting, revenue forecasting, risk management, pension management and auditing. Fall semester

POLI 531 Public Personnel (3 credits)
This course focuses on selected topics in the study and practice of public personnel administration. It is designed as an in-depth analysis of the literature, problems and directions of public personnel issues. Students will develop an appreciation for the dynamic political environment as it influences human resources managers and the statutory and constitutional restrictions that distinguish public personnel management from its counterpart in the private sector. Spring semester

POLI 532 Organizational Theory and Behavior for Public and Nonprofit Institutions (3 credits)
Prerequisite: POLI 501
This course focuses on the types and levels of management which must be integrated in the pursuit of public sector excellence. These levels involve the behavior of individuals, pairs of individuals, supervisor/subordinate relationships, client/administrator relationships, and small groups acting under political, legal and ethical constraints. Institutional and psychological factors will be analyzed. Fall semester

POLI 533 Administrative Ethics (3 credits)
This course will explore the values that shape the thinking of public administrators, and the practice of dealing with moral and ethical issues in the field. The main objectives are 1) to gain familiarity with key issues in public, professional, and administrative ethics, 2) to apply ethical principles to public management and to policy analysis, and 3) to understand the nexus between formal legal and informal normative ethical imperatives.

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Course Descriptions

POLI 541 Legislative-Executive Relations (3 credits)
This course gives students broad exposure to the relationship between legislative and executive branches of government. The course emphasizes the role of the legislature and executive branch agencies in lawmaking and budgetary processes, legislative oversight of bureaucracy, the importance of constituency service and how it impacts government agencies, legislative and bureaucratic behavioral motives and goals, the politics of bureaucratic appointments and how chief executives increase their influence over the administrative state, the influence of lobbies on government, as well as how agencies effectively mobilize constituency groups and advocate their programs.

POLI 542 Administrative Law and Regulation (3 credits)
This course examines that body of constitutional and statutory law that regulates how state and federal administrative agencies implement policies enacted by the legislative and executive branches of government. The course examines issues concerning the delegation of legislative power to administrative agencies, agency rulemaking and adjudication, the Administrative Procedure Act, legislative, executive, and judicial review of administrative agency actions, and issues regarding the citizen's freedom of access to information and records of administrative agencies. A close examination is given to questions and concerns regarding the democratic legitimacy of administrative agencies, theories of regulation and regulatory policy, and how administrative agencies fit into the constitutional system of government in the United States.

POLI 551 Managing Economic and Community Development (3 credits)
This course introduces students to the many dimensions of economic development at the local and state level, focusing on aspects of how local governments are engaging themselves in this competitive arena. The course explores the following fundamental questions: Who is involved in local economic development? What policies and programs are being pursued and how are they being implemented? What is the impact of local economic development programs? How does local politics influence economic development actions? In addition, the course covers how the external environments (federal policy and national/regional economic cycles, for example) shape the scope and method of economic development at the local level.

POLI 552 Municipal Organization and Management (3 credits)
This course emphasizes the study and understanding of municipal organization and management in Massachusetts and across the United States. It examines the issues, problems, and opportunities that confront municipal leaders as they strive to deliver quality public services in an efficient and effective manner. The topics in the course will cover the legal and structural aspects of local governments, how managers plan and direct the organization, revenue and expenditure decisions, and how services are delivered. The course will also focus on how the external environment (such as citizens, school boards, and state government) influences the job of the municipal manager. By the end of the course, the successful student should be better prepared to identify and respond to these issues, problems, and opportunities in their municipality.

POLI 571 Introduction to Nonprofit Theory and Management (3 credits)
This course addresses the historical and philosophical roots of what is alternatively called the third, voluntary or nonprofit sector. It also addresses the structure of the sector and current and future trends which influence it. Its purpose is to provide an overview of the issues and trends within the sector, in order to lay a strong foundation of knowledge for those who are pursuing career in nonprofit organizations and/or work in fields which intersect with nonprofit organizations.

POLI 591 Capstone Seminar in Public Administration (3 credits)
Prerequisite: Completion of thirty hours of course work
This course will integrate the various fields of knowledge that the student has acquired over the period of MPA study. Full-time MPA faculty will be responsible for teaching it and the design will not be prescribed; some may choose to teach it as an applied case-study seminar, while others may develop the course thematically, as an in-depth study of a particular area of public administration literature. Spring semester

POLI 592 Special Topics in Public Administration (3 credits)
Prerequisite: Course prerequisite may be specified depending upon the nature of the topic
Special topics of current relevance in public administration will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the adviser.

POLI 598 Internship: Public Administration (3 credits)
Prerequisite: Matriculation in MPA program
One of the key elements for pre-career students in the Bridgewater State College MPA program is the internship experience. An internship provides an opportunity to apply and test what has been learned in the classroom and allows the student to develop professional skills. The general internship framework is designed to conform to the NASPAA internship guidelines. This course is repeatable for credit.

Other Approved Courses:
POLI 273 United States and Massachusetts Constitutions
POLI 300 Model United Nations Practicum
POLI 340 Law and Economics
POLI 374 Modern Political Theory
POLI 388 Government and Politics of Eastern Europe
POLI 455 Totalitarian Political Systems: Dictators and the Reign of Terror

PSYCHOLOGY (PSYC)

PSYC 100 Introductory Psychology (3 credits)
This is a survey of the different processes such as perception, sensation, learning, emotion, with a discussion of the underlying physiological processes as well as an introduction to the more complex areas such as personality development, psychopathology, social influences, and testing. Methods of investigation and research will be integrated with the above topics. Either semester (CSOC)
Course Descriptions

PSYC 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CPFS)

PSYC 200 Non-Western Theories of Personality (3 credits)
Prerequisite: PSYC 100
This course examines the conceptual models of personality as they have appeared in non-Western traditions. Differences in focus, emphasis and views of the nature of the self are investigated as they relate to cultural world views such as Hinduism, Buddhism, Taoism and Confucianism. (CSOC; CGCL; CMCL)

PSYC 201 Statistics for Psychology (3 credits)
Prerequisite: PSYC 100 and MATH 105 or equivalent or consent of instructor
Statistics in Psychology is primarily a course that will introduce students to the application of statistics to the research process in psychology. Statistics are used to describe and to critically evaluate information. The two branches of statistics, descriptive and inferential statistics, will be covered in this course. Specific procedures that may be covered include measures of central tendency and variability, visual description of data, z-scores, correlation and linear regression, basic probability, parametric tests such as z-tests, t-tests, analysis of variance (ANOVA), and non-parametric tests such as the chi-square test.

PSYC 210 Applied Social Psychology (3 credits)
Prerequisite: PSYC 100 or consent of instructor
This course examines how the methods, theories, principles and research findings from social psychology can be applied to the understanding of and the solution to social problems. Specific attention is paid to the legal system, health and mental health systems, program evaluation, advertising, and gender issues. Students may choose to participate in service-learning as part of the course. Offered alternate semesters

PSYC 224 Child Psychology (3 credits)
An investigation of the growth and development of the child from conception to pre-adolescence will include both the influence of heredity and other biological factors as well as the social influences of child-rearing practices, family value systems, and peer culture effects. Topics will include the development of verbal ability, conscience and moral judgment, personality and self concept. Current theories and research findings will be discussed in relation to the above topics. Either semester

PSYC 226 Adolescent Psychology (3 credits)
Prerequisite: PSYC 100 or consent of instructor
An investigation of the growth and development of the pre-adolescent and adolescent including both physical as well as psychological changes relating to intellectual, moral, emotional, personality and social aspects. Current theories and research findings will be discussed in relation to the above topics. Alternate semesters

PSYC 227 Development Through the Life Cycle (3 credits)
This course offers a survey of the life cycle and an integrated approach to understanding the individual and developmental processes. The developmental tasks of infancy, childhood, adolescence, and adulthood are viewed from a life-span perspective, with emphasis on continuity and change. Offered alternate years, spring semester

PSYC 230 Cross-Cultural Psychology (3 credits)
Prerequisite: PSYC 100 or consent of instructor
This course examines various psychological processes, such as self-perception, communication, decision-making, categorization of others, gender perception, aggression, conformity, and helping, from a cross-cultural perspective. Emphasis will be placed on cultural differences in psychological functioning. (CSOC; CGCL; CMCL)

PSYC 252 Psychology of Learning (3 credits)
Prerequisite: PSYC 100 or consent of instructor
The shaping of behavior, laboratory conditioning, reinforcement, approach and avoidance of a goal, discrimination and generalization of physical cues, animal learning experiments. Experimental approaches to the study of human behavior. Either semester

PSYC 280 Consumer Psychology (3 credits)
Prerequisite: PSYC 100 or consent of instructor
An investigation of the psychological techniques being used in advertising and merchandising. Emphasis will be on the psychological aspects of consumer purchasing practice with respect to motivation, attitudes, learning, and perception. Either semester

PSYC 289 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that builds on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, writing, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

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PSYC 299 Second Year Seminar (Writing Intensive)  
(3 credits)  
Prerequisite: PSYC 199 or Open to all sophomores and juniors who have completed ENG 101 and ENG 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if PSYC 298 is taken for credit.  
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)  

PSYC 303 Survey of Psychological Testing (3 credits)  
Prerequisite: PSYC 100 and either MATH 110 or PSYC 201; or consent of instructor  
An introduction to the theory of psychological measurement and test development including item indices, speededness, reliability, and validity with a survey of various psychological instruments used in assessment, personnel selection, and psychological research. Fall semester  

PSYC 305 Psychology of Personnel Selection  
(3 credits)  
Prerequisite: PSYC 100 and PSYC 313  
This course will cover the varied aspects of employee selection. Topics of study include the design of work, attracting applicants, legal issues, selection methods, and evaluating performance. Fall semester  

PSYC 310 Social Psychology (3 credits)  
Prerequisite: PSYC 100 or consent of instructor  
The individual in social situations: attitude formation and change, culture and society, language and communication, leadership and group dynamics, personality characteristics and interpersonal relationships, small group behavior. Either semester  

PSYC 313 Industrial and Organizational Psychology  
(3 credits)  
Prerequisite: PSYC 100 or consent of instructor  
The course will broadly cover the major themes represented by the study of industrial and organizational psychology. The first half of the semester will focus on areas such as job analysis, employee selection, training, performance appraisal, and motivation. The second half of the semester will focus on employee behavior within an organizational framework. Both semesters  

PSYC 319 History of Psychology (3 credits)  
Prerequisite: PSYC 100 and at least 9 hours of psychology or consent of the instructor  
a study of the early recognition and historical trends in the study of psychology from the early Greeks through the Renaissance to the 19th and early 20th century schools of thought. Eminent psychologists and their contributions will be integrated with the historical perspective. Fall semester  

PSYC 320 Research Methods in Psychology (3 credits)  
Prerequisite: PSYC 100 and PSYC 201 or consent of instructor  
This course will focus on research methods in psychology. Students will learn how to conduct, comprehend and critically evaluate research methods used in a diversity of psychological research including, for example, biopsychology, child psychology, social issues, sensation and perception, and learning and motivation. Students will evaluate how real studies test theories and hypotheses and determine how to resolve the conflicting findings of previous research. Proper psychological experimental design and writing format will be emphasized.  

PSYC 321 Psychology of Human Differences (3 credits)  
Prerequisite: PSYC 100 or consent of instructor  
The relative contributions of genes and environment to individual and group differences will be examined. Topics will include the description of human variability; gene/environment interactions; the heritability of cognitive abilities, personality, and psychopathology; and sex and age differences.  

PSYC 325 Developmental Psychopathology (3 credits)  
Prerequisite: PSYC 100; PSYC 224 or PSYC 227; or consent of the instructor  
The purpose of this course is to introduce the student to selected classes of psychopathology occurring in the childhood years. This course examines the scientific and clinical literature relevant to normal and pathological behavior in children and adolescents. The course will rely upon readings, discussion, and lectures to convey this body of information. Issues in developmental psychopathology and consideration of processes initiated in childhood that manifest as pathology in adulthood are also considered. Topics will include the major DSM-IV diagnostic categories for childhood disorders, as well as research and treatment. The course orientation is empirical, with an emphasis on recent research findings with this population. Critical thinking skills will be emphasized during reviews of the research literature suggesting various etiological theories.  

PSYC 327 Psychology of Exceptional Children (3 credits)  
Prerequisite: PSYC 100 and either PSYC 224 or PSYC 226 or consent of the instructor  
The course will deal with the identification and understanding of children with special needs. Special techniques appropriate to helping these children will be treated. Emphasis will be placed on the psychological problems of the learning disabled; mentally, emotionally and physically handicapped children as well as those of the academically gifted or creative child. Spring semester  

PSYC 328 Psychology of Mental Retardation (3 credits)  
Prerequisite: PSYC 100 and PSYC 224 or consent of the instructor  
Origins (genetic, organic, sensory, maternal and cultural deprivation), manifestations, diagnostic aids, therapeutic and remedial techniques. Fall semester  

PSYC 329 Psychology of Aging (3 credits)  
Prerequisite: PSYC 100 or consent of instructor  
A study of the sensory, cognitive and social changes resulting from old age, including changes in learning, personality and pathology. Problems of adjustment will be
Course Descriptions

discussed and integrated with research findings in gerontology. Offered alternate years, spring semester

PSYC 337 Cognitive Psychology (3 credits)
Prerequisite: PSYC 100 and at least 9 hours in psychology or consent of the instructor
The psychology of thinking, including historical and philosophical issues, process models, information theory, cybernetic, general systems and field theory approaches, visual and auditory cognition, psycholinguistics, memory and attention, problem solving and concept formation, with implications for mental retardation and learning disabilities. Offered alternate years, fall semester

PSYC 338-339 Honors Tutorial (3 credits each semester)
Prerequisite: Open to Commonwealth and Departmental Honors students with PSYC 100 and consent of instructor
Special topics in psychology. Three hourly meetings weekly, PSYC 338 fall semester, PSYC 339 spring semester

PSYC 340 Sensation and Perception (3 credits)
Prerequisite: PSYC 100 or consent of instructor
This course explores the relationship between the nature of the environment and perceptual experience, including the sensory processes. Perceptual processes examined include spatial, pattern, and color perception, as well as our perception of time, depth and the perception of action and events. The relationship between perception, memory, cognition and behavior is investigated, with implications for our understanding of cultural differences, how we perceive personality and emotion and psychotherapeutic change.

PSYC 342 Biopsychology (3 credits)
Prerequisite: BIOL 100 or BIOL 102 or equivalent and PSYC 100 or consent of instructor
This course is an introduction to biopsychology, the scientific study of the biology of behavior. A major component to this course involves a detailed analysis of the brain, including how neurons communicate with one another and the identification and functional significance of major brain structures. In this course, students will learn about a variety of systems including those involved in vision, attention, memory, language, and movement. Additional topics include brain damage and neuroplasticity, drug addiction, and the biopsychological examination of hunger and sleep. Emphasis will be on psychological correlates of neurophysiological processes.

PSYC 344 Drugs and Human Behavior (3 credits)
Prerequisite: PSYC 100 or consent of instructor
An exploration of psychoactive drugs and the way in which they are used in psychology today. Each drug will be studied in terms of the psychological, psychophysiologival and behavioral theories of drug effects. Offered alternate years, fall semester

PSYC 345 Psychology of Consciousness (3 credits)
Prerequisite: PSYC 100 or consent of instructor
Consciousness studies are revolutionizing the ways in which we understand ourselves. The phenomena of consciousness will be examined from a variety of perspectives, incorporating the most recent research from the cognitive and neurosciences to explore the evolutionary and adaptive roles of consciousness. The relevance of this material to the study of personality, emotion, memory, learning, creativity and psychopathology will be addressed. The phenomena associated with altered states, dream cognition, hypnosis, meditation, imagery and visionary states will also be examined. This course will be of interest to clinicians and educators, as well as to anyone interested in discovering more about the nature of the human mind and consciousness.

PSYC/COM/MINTD 349 Perspectives on the Holocaust (3 credits)
Prerequisite: PSYC 100 and COMM 130 or consent of instructor
This course introduces students to the study of the Holocaust. It examines the atmosphere and events that allowed the systematic extermination of 11 million non-combatants, including six million Jews. Multidisciplinary in approach, the course draws principally upon psychology and communication studies. Additionally, a variety of social science perspectives are utilized. Recommended for Juniors and Seniors. Offered once each year

PSYC 350 Special Topics in Psychology (3 credits)
Prerequisite: PSYC 100 and at least 6 hours in psychology or consent of the instructor
Various and special topics of current interest in psychology will be offered from time to time. Topics will be announced before pre-registration. May be taken more than once but only three credits will be counted towards the first 33 hours in the psychology major. Either semester

PSYC 355 Behavior Analysis (3 credits)
Prerequisite: PSYC 100 or consent of instructor
This course systematically presents the principles that are necessary to analyze everyday human behavior. These principles are then applied to the treatment and prevention of a wide variety of behavior problems in education, clinical settings and the workplace. An emphasis is placed on the research methods used to assess the effectiveness of each procedure used to change behavior.

PSYC 360 Psychology of Personality (3 credits)
Prerequisite: PSYC 100 or consent of instructor
Basic concepts in the field of personality, organized around such topics as motivation, personality structure and dynamics, personality development, assessment and therapy. Problems and styles of adjustments will be considered. Either semester

PSYC 365 Health Psychology (3 credits)
Prerequisite: PSYC 100 and a minimum of 6 hours in psychology or consent of instructor
Many deaths are directly related to behaviors. This course will focus on the critical role of behavior in health promotion and disease prevention. Theories and interventions related to health and behavior will be examined. Students will learn to conceptualize health from biological, psychological, and social perspectives. Those who will benefit from this course are students seeking to understand how behavior affects health and what behavioral change strategies can be used to improve health status. Fall semester

PSYC 369 Psychology of Criminal Behavior (3 credits)
Prerequisite: PSYC 100 or consent of instructor
This class covers basic psychological knowledge about the causes of crime and violent crime. Topics include biological causes of crime, family and childrearing causes, social causes, cognitive biases, and psychological and psychiatric

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgewater.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Course Descriptions

issues and the role they play in criminal behavior. Case studies are examined, and basic research is reviewed. Fall semester

PSYC 370 Abnormal Psychology (3 credits)
Prerequisite: PSYC 100 or consent of the instructor
The primary purpose of this course is to define and classify the many different types of abnormal behavior. The genetic, biochemical and environmental causes for each category of behavior are presented. To a lesser degree, the most effective treatments and the degree to which the treatments are successful is evaluated.

PSYC 399 Pre-Honors Psychology Colloquium (1 credit)
Prerequisite: Enrollment in the Honors Program. A grade of B or higher in PSYC 201 and PSYC 320 or consent of the instructor.
Students will attend a one hour weekly meeting designed to prepare them for completing an honors thesis. Outcomes for the course include choosing a research topic, choosing a mentor and developing a research proposal.

PSYC 400 Honors Psychology Colloquium (1 credit)
Prerequisite: PSYC 399 or consent of instructor
Students will attend a one hour weekly meeting that they will enroll in concurrent with PSYC 483 Honor Thesis for a total of two credits over two semesters. This course is designed to support and monitor students with their thesis progress with the objective of completing an honors thesis.

PSYC 404 Attitude and Personality Measurement (3 credits)
Prerequisite: PSYC 100, PSYC 310, PSYC 360, and MATH 110 or PSYC 201 or consent of the instructor
Principles of construction of attitude scales and personality assessment techniques, including both projective and inventory-type techniques. Issues and controversies in psychological measurement. Offered alternate years, spring semester.

PSYC 460 Neuropsychology (3 credits)
Prerequisite: PSYC 100 and PSYC 342; or consent of instructor
This course is an introduction to neuropsychology focusing on the behavioral deficits that arise from brain pathology. This pathology includes diseases such as Alzheimer's and Parkinson's as well as other brain-related conditions such as stroke, tumors, and head injury. Through this course student will learn about the history of neuropsychology, details of brain anatomy, various neuropsychological assessments, and the examination of behavioral deficits and neuropsychological profiles associated with a variety of brain disorders and/or conditions.

PSYC 470 Clinical Psychology (3 credits)
Prerequisite: PSYC 100 and PSYC 360 and PSYC 370 or consent of the instructor
Survey of diagnostic and treatment procedures and resources in clinical work with children and adults; professional skills and responsibilities of the clinical psychologist. Fall semester.

PSYC 474 Forensic Psychology (3 credits)
Prerequisite: PSYC 100 and PSYC 360, PSYC 370 or consent of the instructor
A study of basic underlying assumptions of personal-\n\n*May be taken for graduate level credit

PSYC 475 Psychology of Group Behavior (3 credits)
Prerequisite: PSYC 100 or consent of the instructor
Group theory, theoretics of group psychotherapy, leadership and facilitation, group process. Laboratory experience in interpersonal relations designed to develop skills useful in human services applications. Open only to senior psychology majors with consent of the department. Offered alternate years, spring semester.

PSYC 485 Honors Thesis I (6 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students with consent of instructor
Two two-hour weekly meetings with the thesis director will culminate in an honors thesis. The honors student will normally enroll in this course during the fall semester of the senior year and complete the course during the spring semester of the senior year, earning a total of six credits. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the Department Honors Committee.

PSYC 490 Seminar: Clinical Methods in Medical Psychology (3 credits)
Prerequisite: PSYC 100 and 15 hours in psychology or consent of the instructor
Topical areas of psychology will be offered to allow seniors an opportunity to make individual presentations and critique each other through discussion. Topics will be announced in advance. May be taken twice, but only three credits will be credited toward the first 33 hours for psychology majors. Spring semester.

PSYC 492 Seminar: Clinical Methods in Medical Psychology (3 credits)
Prerequisite: PSYC 100 and PSYC 365 or consent of the instructor
A critical examination of practical issues and problems in psychological, behavioral, and holistic approaches to health and illness. A variety of methods for working with mind-body interventions will be demonstrated and discussed. Spring semester.

PSYC 494 Clinical Practicum: Forensic Psychology (3-15 credits)
Prerequisite: PSYC 100 and PSYC 369 and PSYC 370; consent of department; formal application required
Open to seniors who have the opportunity to gain first-hand experience in applying psychology in a clinical setting. Graded on a (P) Pass/(N) No Pass basis.

PSYC 495 Practicum: Medical Psychology (3-15 credits)
Prerequisite: PSYC 100 and consent of the instructor
Provides first-hand experience in the application of psychological, behavioral, and holistic principles to health and illness related issues and problems. Graded on a (S) Satisfactory/(U) Unsatisfactory basis. Spring semester.

PSYC 496 Personnel Practicum (3-15 credits)
Prerequisite: PSYC 100 and consent of the department
Direct application of psychological principles to actual personnel issues and problems in an organization such as business, industry, government, etc. Open only to seniors.
who wish to gain first-hand experience. Graded on a (S) Satisfactory/(U) Unsatisfactory basis. Either semester

PSYC 497 Research* (1-3 credits)
Prerequisite: PSYC 100 and consent of the department
This course includes an individual or group research project. The course is for students interested in conducting research under the supervision of faculty member or working on a faculty member's research project. May be taken for a maximum of 6 credits. Either semester

*No more than six hours of any combination PSYC 497, PSYC 498, or PSYC 499 may be counted toward the first 33 hours in the psychology requirements for a major.

PSYC 498 Clinical Practicum* (3-15 credits)
Prerequisite: PSYC 470; consent of the department; formal application required
Open to juniors and seniors who wish to have the opportunity to gain first-hand experience in applying psychology in a clinical setting. Graded on (P) Pass/(N) No Pass basis. Either semester

*No more than six hours of any combination PSYC 497, PSYC 498, or PSYC 499 may be counted toward the first 33 hours in the psychology requirements for a major.

PSYC 499 Directed Study in Psychology* (1-3 credits)
Prerequisite: PSYC 100; consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

*No more than six hours of any combination PSYC 497, PSYC 498, or PSYC 499 may be counted toward the first 33 hours in the psychology requirements for a major.

PSYC 500 Developmental Human Psychology (3 credits)
Prerequisite: Matriculation in graduate program in psychology or counseling or consent of the instructor
This course provides a comprehensive foundation for the study of human psychology from a developmental perspective. The scope and current thinking in each of the five cognate areas will be examined, including cognition/perception, neuropsychology, psychopathology, learning and social psychology. Current research, theory, application and conceptual structure within each area will be reviewed. Considerable attention will be placed on the interface between theory and practice.

PSYC 503 Directed Study (credit to be arranged)
Designed for the "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

PSYC 504 Research (1-4 credits)
Original research undertaken by the graduate student in a specific field. Students initially enroll in PSYC 504 for four credits, and subsequently enroll for one credit each term thesis work continues. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog.

PSYC 505-506 Research Methods and Design I-II (3 credits for each semester)
Prerequisite: Admission to MA in psychology program or consent of the department
This course includes two semesters of integrated statistical procedures and research design skills. Special emphasis will be placed on methodological issues that are likely to confront the graduate in applied settings. In addition to covering traditional statistical and design concepts, special applied research tools such as survey methodology, program evaluation "small-N" designs, nonparametric and multivariate models will be presented. The course will be very closely tied to the use of commonly available statistical packages such as SPSS, BMD, ALICE and STP. The course will reflect a strong experiential component including data collection, analysis and interpretation.

PSYC 508 Advanced Seminar (3 credits)
Prerequisite: Admission to MA in psychology program or consent of the department
Various and special topics of current relevance in psychology to be dealt with in depth, will be offered from time to time. Topics will be announced before pre-registration. May be taken more than once.

PSYC 509 Foundations of Clinical Practice (3 credits)
Prerequisite: Matriculation in graduate program in psychology, or counseling or consent of the instructor
This course will prepare the clinician for practicum/internship training by considering the following: 1) historical overview of the profession; 2) multidimensional identity and roles of the mental health professional; 3) practice issues and issues related to federal and state legislation dealing with, for example, duty to warn, confidentiality and mandated reporting; 4) the variety of clinical settings and mental health delivery systems, including principles, theories and techniques of evaluation and management; 5) ethical and legal standards of psychological professional organizations; 6) experimental learning and the use of supervision; 7) report writing and note keeping for clinicians; 8) self-evaluation.

PSYC 511 Theories of Psychotherapy (3 credits)
Prerequisite: Admission to MA in psychology program or consent of the department
The major counseling theories are explored in an academic and experiential format. Role playing and videotaping of the theories are common modalities. A sampling of the theories discussed are: Reality Therapy, Behavior Therapy, Rational Emotive Therapy, Gestalt Therapy, Transactional Analysis, Client Centered Therapy and the Psychoanalytic Model. (Formerly PSYC 570)

PSYC 512 Evaluation Techniques (3 credits)
Prerequisite: Admission to MA in psychology program or consent of the department
The course will begin with traditional components of psychological testing, including test construction, test development, test administration and test interpretation. Specific training will be placed on frequently administered clinical tests (e.g., MMPI, WAIS, and WISC). Beyond traditional test theory, students will be exposed to contemporary evaluation devices including behavioral assessment, interview data and naturalistic observation. (Formerly PSYC 573)
Course Descriptions

PSYC 513 Psychopharmacology for Non-medical Professionals (3 credits)
This course examines modern drug treatment for mental disorders, including schizophrenia, mania, depression and anxiety. The types of drugs – antipsychotics, antidepressants, antianxiety, and sedative-hypnotics – are discussed in conjunction with diagnostic factors, effectiveness, side effects, risk, and biological actions. Psychotherapeutic and ethical concerns are considered.

PSYC 516 Multicultural Counseling (3 credits)
Prerequisite: Admission to MA in psychology program or consent of the instructor
This skill-based course will further develop the students' working knowledge and basic competency in multicultural counseling theory and application. To this end, the course will focus on the counselor on both a professional and personal level. Additionally, the course will examine salient and population specific issues related to the life experiences of the culturally "different" client and how such experiences impact on the counseling relationship and process. Underlying values and assumptions associated with widely used traditional counseling interventions and their appropriateness with non-mainstream populations will be explored. Traditional and nontraditional culturally consonant counseling approaches will also be discussed.

PSYC 517 Career Information and Placement (3 credits)
Prerequisite: Admission to MA in psychology program or consent of the instructor
This course will review concepts, issues, and trends in the field of career education. It is designed to consider the role of the counselor in the career decision making process, as well as current issues in the facilitation of career decisions for women, men, couples and "minority" persons. Topics will include, but may not be limited to, selected theories of career life planning and development; techniques designed to bring about greater awareness of needs, values, interests and abilities related to career decision-making; and a range of techniques counselors may choose to facilitate work with clients. Pre-practicum field component included.

PSYC 518 Theory and Process of Group Interaction (3 credits)
Prerequisite: Admission to MA in psychology program or consent of the instructor
An examination of the theories and processes of group dynamics and their relationship to counseling philosophy. Special emphasis will be placed on the synthesis of leadership, membership, and purpose, as well as the evaluation of the appropriateness of various group counseling applications.

PSYC 519 The Facilitation of Group Experience (3 credits)
Prerequisite: CMGC 538 or consent of the instructor
An introduction to the concepts and practices of facilitating various types of group experiences. A number of leadership methods will be presented, and each participant will experience a leadership role under controlled circumstances.

PSYC 520 Theories of Development (3 credits)
Prerequisite: PSYC 224, PSYC 360 or equivalent; consent of the instructor
This course will contrast and compare the major models of development: cognitive-structural, psychoanalytic, and behaviorist, with special emphasis on their a priori assumptions and research strategies. Works of Piaget, Werner, Freud, Erikson, Skinner, Spence and others will be examined.

PSYC 525 Cognitive Development (3 credits)
Prerequisite: PSYC 224 or equivalent; consent of the instructor
The development of the cognitive processes, including perception, language, intelligence and memory. Throughout the life cycle, the major focus will be on the growth of basic systems and strategies for representing information symbolically. The work of cognitive theories such as Bera, Bruner and Piaget will be considered.

PSYC 526 Childhood Psychopathology (3 credits)
Prerequisite: PSYC 224 and PSYC 327 or equivalents
The nature, etiology, consequences and prevention of the major emotional disorders of children, considered from a developmental viewpoint. Areas include emotional problems of normal children as well as serious psychopathology. Primary emphasis is on psychological factors responsible for deviation. Some attention to organic and constitutional factors.

PSYC 541 Psychotherapy: Theory and Practice I (3 credits)
Prerequisite: Matriculation in MA program in psychology or consent of the instructor
An examination of short term/focused psychotherapy usually practiced in a managed care environment. Attention is given to treatment planning, strategies of intervention for symptom reduction, and management and utilization of community resources.

PSYC 542 Psychotherapy: Theory and Practice II (3 credits)
Prerequisite: Matriculation in MA program in psychology or consent of the instructor
An examination of cognitive therapy for the treatment of psychological disorders. The theory base of Beck, Ellis, and others is utilized to focus on the role of cognition in the development and maintenance of such states as depression, anxiety, and personality disorders. Strategies for intervention and treatment are included.

PSYC 543 Marital and Family Therapy (3 credits)
Prerequisite: Matriculation in MA program in psychology or consent of the instructor
This course is an examination of the treatment strategies for marital and family systems. Attention will be given to: 1) history and development of marital and family therapy, 2) current schools of therapy, 3) strategies of intervention, 4) the role of the therapist in marital and family work, 5) professional standards for marital and family therapy.

PSYC 575 Psychopathology (3 credits)
Prerequisite: Matriculation in MA program or consent of the instructor
An examination of the classification, symptoms and treatment of the types of psychopathology listed in the DSM III-R or its revisions. Special focus will be given to differential diagnosis issues and intervention strategies.

PSYC 591 Clinical Practicum (3 credits)
Prerequisite: Both the completion of the first year coursework (PSYC 505, PSYC 506, PSYC 509, PSYC 511, PSYC 512, or their equivalents) and approval of the instructor. This course is designed for the student to apply the knowledge and skill acquired in the campus classroom to the practice setting in a supervised manner.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

PSYC 575) and the approval of the Psychology Graduate Committee
The Clinical Practicum will prepare students to work in mental health settings, providing opportunities to observe and assist under supervision. 100 hours required, including a minimum of 40 hours direct service work; 10 hours of individual supervision; and 20 hours of group supervision. 1 cr/sem: complete in two semesters, 50 hrs/sem, working 3.5 hrs/wk. 2 crs: complete in one semester, for 100 hours, working 7 hrs/wk. May be taken more than once but must total minimum of 100 hours (2 crs).

PSYC 592 Internship (3-6 credits)
Prerequisite: PSYC 591 and matriculation in MA program in psychology; consent of department; formal application required
The internship will allow students to apply the skills acquired through classwork and practicum work. Students will be placed in mental health settings and will receive extensive supervision. Required 600 hours, including a minimum of 240 hours direct service work, 15 hours of individual supervision, and 30 hours of group supervision. It may not be taken for more than 6 credit hours in a single semester. Once begun, the internship must be taken in consecutive semesters. May be completed in 2 semesters (6 credits each semester) for 300 hours each semester, working 20 hours each week, or completed in 4 semesters (3 credits each semester) for 150 hours each semester, working 10 hours each week. Must be taken more than once, but must total a minimum of 600 hours (12 credits).

PSYC 593 Advanced Applied Clinical Seminar (3 credits)
Prerequisite: Matriculation in graduate program in psychology, concurrent registration in PSYC 592 or consent of the instructor
Students registering for PSYC 592 Internship must register concurrently for PSYC 593. This course will provide students with a forum for discussion and in-depth analysis of issues related to their internship experience. Students will have the opportunity to further examine and apply psychotherapeutic techniques. During this time, students will be actively working with clients as part of their internship. Emphasis will be placed upon further refinement of a student's personal style and self-awareness. Use will be made of audio and videotape, as well as role playing observation. Broader issues, including multiculturalism, human development, technology and context (i.e., urban, rural, suburban) will be integrated throughout the seminar.

Other Approved Courses:
PSYC 351 Psychology of Art
PSYC 385 Environmental Psychology
PSYC 514 Attitude Change Research
PSYC 515 Controversies in Social Psychology
PSYC 516 Multicultural Counseling
PSYC 517 Career Information and Placement
PSYC 518 Theory and Process of Group Interaction
PSYC 519 The Facilitation of Group Experience
PSYC 520 Theories of Development
PSYC 525 Cognitive Development
PSYC 526 Childhood Psychopathology
PSYC 528 Seminar in Clinical Child Psychology
PSYC 540 Cognitive-Perceptual Psychology
PSYC 543 Marital and Family Therapy
PSYC 551 Advanced Seminar in Personnel

PSYC 552 Employee Evaluation Techniques
PSYC 553 Theories and Research in the Psychology of Motivation
PSYC 572 Community Psychology and Mental Health
PSYC 576 Transpersonal Psychology

READING (READ)

READ 503 Directed Study (credit to be arranged)
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled “Independent Study” in the “School of Graduate Studies” section of this catalog. This course may be repeated.

READ 540 Early Childhood Literacy Instruction (3 credits)
Intended as a content area graduate course in reading for the early childhood educator, this course features many instructional practices that promote language, literacy, and learning in the young learner. In a review of current research, teachers learn and apply identified “best practices” in listening, speaking, reading, writing, and thinking. Topics include: linguistics, discourse, concepts of print, phonemic awareness, phonics, comprehension, authentic assessment, shared reading and writing, and guided reading and writing. Through an understanding of theories that support best practices, teachers develop specific strategies for observing and supporting young learners as they become successful, independent, and thoughtful readers and writers. Spring, summer session II, fall

READ 541 Elementary School Literacy Instruction (3 credits)
Intended as a content area graduate course in reading for the elementary school educator, this course features many instructional practices that promote language, literacy, and learning in the developing literate. In a review of current research, teachers learn and apply identified “best practices”: in listening, speaking, reading, writing, viewing, and producing. Topics include assessment, word analysis, vocabulary, narrative and expository text structures, guided reading and writing, comprehension strategies, and study skills. Through an understanding of theories that support best practices, educators develop specific strategies for observing and supporting students as they become successful, independent, and thoughtful readers and writers. Spring, summer session II, fall

READ 545 Global Literacies: Discovering the World in the Elementary Classroom (3 credits)
Masters candidates who are practicing teachers continue to prepare for their role in the Massachusetts classroom by considering, examining, practicing and planning for effective teaching and learning environments. Through the application of an inquiry-based, cross-curricular approach to literacy instruction they will discover that the human world can be a central feature of the language arts plan. The course is designed to provide practical approaches, materials and plans for engaging children in the discovery of the nature of the planet earth, the nature of human beings as a species and the nature of global social structures, all in the context of the immediate world in their neighborhood.

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Course Descriptions

READ 549 Reading in the Content Areas (3 credits)
In a workshop format educators use their own textbooks to develop exercises that aid their students in comprehending expository text. Direct and indirect strategies for teaching vocabulary, reading processes, skill acquisition, study guides and levels of questioning are analyzed and utilized as they apply to different content material. Includes 25 hours fieldwork. May not be audited.

READ 550 Improving Literacy Instruction (3 credits)
Educators are introduced to the subject matter that constitutes effective literacy instruction (all levels). They examine classroom practices that are consistent with the socio-psycholinguistic theories of learning and develop a knowledge base of literacy instruction that benefits students' comprehension of text. Includes 25 hours of fieldwork. May not be audited. Spring, summer I, and fall

READ 551 Case Studies in Literacy Acquisition and Development (3 credits)
Through case studies, educators develop their understanding of language, literacy, and learning. Knowledge of the reading and writing processes provides the foundation for instruction and assessment. Includes 25 hours fieldwork. May not be audited. Summer II, fall

READ 552 Literacy Assessment Principles and Techniques (3 credits)
Prerequisite: READ 551 and program matriculation or consent of program coordinator
Educators use formal and informal diagnostic procedures to measure, monitor and report literacy processes and behaviors: elements of letter knowledge, word knowledge, syntactic knowledge, schematic knowledge and studying and thinking strategies. With an understanding of these principles and techniques, they engage students through diagnostic instruction and careful monitoring for individual gains and (when appropriate) remediation. Includes 25 hours fieldwork. May not be audited. Spring, summer II

READ 553 Issues in Literacy Education for Social Justice (3 credits)
Prerequisite: READ 550 and program matriculation or consent of program coordinator
Educators prepare for their role as literacy specialists and consultants through extensive reading, writing, research, discussion, and debate. They advance their thinking in a range of complex political and educational issues that impact our local, national, and global communities. Includes 25 hours fieldwork. May not be audited.

READ 554 Research in Literacy Teaching and Learning (3 credits)
Prerequisite: Matriculation in the MEd in Reading
Literacy professionals access, analyze, and evaluate evidence-based research in literacy assessment and instruction. As consumers of research, they develop strategies with which a literacy educator gains knowledge about the processes of listening, speaking, reading, writing, thinking and learning. They explore numerous research traditions and methods, including ethnographic, descriptive, correlational, experimental and multivariate. They develop a thorough understanding of the methodology, data collection procedures and analysis techniques that are central to a range of literacy research, assessment, and instruction perspectives and policy work. 25 hours of fieldwork is required. May not be audited.

READ 555 Supervision and Administration of Literacy Programs (3 credits)
Prerequisite: READ 550 and READ 552, and program matriculation or consent of program coordinator
Educators research, examine, and appraise components of effective literacy programs (all levels). They develop strategies for creating a literate environment, organizing and planning for effective instruction, and communicating information about language and learning. Includes 25 hours fieldwork. May not be audited. Fall semester

READ 556 Literacy Curriculum Development and Implementation (3 credits)
Prerequisite: READ 555 and program matriculation or consent of the adviser or instructor
Educators apply the prevailing knowledge base in literacy to issues of curriculum development and implementation, with particular emphasis on bringing local instruction in line with state and national curriculum frameworks and standards. Includes 25 hours fieldwork. May not be audited. Spring semester

READ 558 Practicum Experience for the Consulting Teacher of Reading I (3 credits)
Prerequisite: READ 550 and READ 551 and READ 552 and READ 553 and READ 554 and READ 555 and READ 556; application by adviser, field placement supervisor, program coordinator and dean of School of Education and Allied Studies and evidence of one of the following: (a) active MA DOE licensure as Reading Specialist or (b) a passing score on the Massachusetts Test for Educator Licensure for Reading Specialist (08).
Master's candidates assume the role of coordinator or consulting teacher of reading in working with students and teachers in a supervised 200-hour field experience. In this role, candidates must consistently demonstrate and document the knowledge a reading professional should have and the actions a reading professional should take. READ 558 and READ 559, fall and spring respectively, comprise a yearlong practicum or internship that upon graduation leads to college endorsement for specialist licensure as Reading Specialist (all levels) with the Massachusetts State Department of Education. Includes 200 hours fieldwork. Fall semester

READ 559 Practicum Experience for the Consulting Teacher of Reading II (3 credits)
Prerequisites: READ 558 and application approved by adviser, field placement supervisor, program coordinator, and S.E.A.S. dean
Master's candidates expand the role of coordinator or consulting teacher of reading through leadership in their schools and communities in a supervised 200-hour field experience. In this role, candidates must consistently demonstrate and document the knowledge a reading professional should have and the actions a reading professional should take. READ 558 and READ 559, fall and spring respectively comprise a yearlong practicum or internship that upon graduation leads to college endorsement for specialist licensure as Reading Specialist (all levels) with the Massachusetts State Department of Education. Includes 200 hours fieldwork. May not be audited. Spring semester

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

READ 560 Literacy Research Seminar (3 credits)
Prerequisites: READ 552 and READ 553 and READ 554 and READ 556
Candidates for the Master's degree in reading examine, review, analyze, and reflect upon their academic and professional experiences as they relate to literacy education and continued professional development. They conduct and report on an in-depth systematic investigation of literacy programs and practices. READ 560 is a yearlong course and should be taken concurrently with READ 558 and READ 559. May not be audited.

READ 570 Special Topics in Literacy Education
(1-4 credits)
Prerequisite: Course prerequisite may be specified depending on the nature of the topic
Special topics of current relevance in literacy education will be offered. The topic to be addressed will be announced in pre-registration publications. May be taken more than once.

READ 650 Research in Literacy Curriculum and Instruction (3 credits)
Prerequisite: Matriculation in CAGS in Reading Program
As curriculum and instructional leaders, educators enhance their knowledge of educational research and refine strategies for using published research to support the development and implementation of changes in curriculum and instruction to reflect current socio-psycholinguistic theories and models of reading and literacy. Includes 25 hours fieldwork. (Course restricted to cohort members)

READ 651 Socio-psycholinguistics and Critical Literacy (3 credits)
Prerequisite: Matriculation in CAGS in Reading Program
Educators review the history of reading instruction in the United States to understand the learning theories that have influenced methods and materials for classroom practice. This historical perspective provides a foundation for interaction among researchers, teachers, and curriculum developers in response to our changing knowledge about complex cognitive processes in a world of rapidly changing materials, media forms, and technologies. Educators research theoretical processes and models of reading and writing to develop an in-depth understanding of socio-psycholinguistic theories of language, literacy, and learning. Includes 25 hours fieldwork. (Course restricted to cohort members)

READ 652 Cultural Foundations of Literacy (3 credits)
Prerequisite: Matriculation in CAGS in Reading Program
Educators develop a cognitive framework for literacy acquisition and development and create a synthesis of their professional knowledge of the cultural and linguistic foundations of literacy, the reading process, and the strategies that enable readers to use the cuing systems of written language. The learning experience centers on experimental research using a single-subject design in a readers' workshop setting. Includes 25 hours fieldwork. (Course restricted to cohort members)

READ 653 Diagnosis, Assessment, and Evaluation of Student Performance and Program Effectiveness (3 credits)
Prerequisite: Matriculation in CAGS in Reading Program
Educators learn and practice a diagnostic, decision-making model for individual and group literacy instruction. They gain competence and confidence in conducting, analyzing, manipulating, and reporting ongoing, varied, and multiple measures of students' progress. A clear understanding of the fundamentals of descriptive statistics and efficient diagnostic practices explicates the interpretive processes for understanding and improving the literacy behaviors of all students in district-wide planning. Includes 25 hours fieldwork. (Course restricted to cohort members)

READ 654 Principles and Programs in Professional Development (3 credits)
Prerequisite: Matriculation in CAGS in Reading Program
Educators examine their role as professional leaders and agents of change in their schools and educational communities through the supervision and administration of reading and literacy programs. Guided by a thorough knowledge of social-constructivist approaches and of the demand for raising professional standards, they cultivate leadership through collegial partnerships and relationships that result in more effective learning and teaching practices. Includes 25 hours fieldwork. (Course restricted to cohort members)

READ 655 Case Studies in K-12 Literacy Curriculum and Instruction (3 credits)
Prerequisite: Matriculation in CAGS in Reading Program
Educators act as consultants in authentic case studies of district-wide literacy programs and practices. They use a variety of techniques to assess and evaluate the effectiveness of the existing language arts curriculum. They develop a well-documented report of curriculum strengths and weaknesses, and make specific recommendations for more effective literacy curriculum content, implementation, instruction, and assessment. Includes 25 hours fieldwork. (Course restricted to cohort members)

READ 670 Seminar (3 credits)
This course serves as a foundation for curriculum leadership in literacy education. Educators examine and explore educational trends, values, and vision to develop a personal statement of beliefs for literacy education at all levels. This serves as the foundation for exploring issues in critical pedagogy for multiple literacies, as essential to today's educational planning. Educators will identify an area of instructional practice for additional research. (Course restricted to cohort members)

READ 681 CAGS Literacy Practicum (6 credits)
Prerequisite: For those seeking educator licensure in Reading: Successful completion of the Massachusetts Test for Educator Licensure (Literacy and Communication Skills and Reading); for all:
READ 650, READ 651, READ 652, READ 653, READ 654, READ 655, READ 670 and application approved by adviser, field placement supervisor, program coordinator and S.E.A.S. dean.
In this culminating experience, candidates for the CAGS in Reading provide leadership through the administration and supervision of reading/literacy programs. They use these experiences to design and implement a project in exemplary literacy practices. This project, a 200-hour field-based investigation, establishes the candidate as a competent, confident literacy specialist and/or a consultant. The implementation, documentation, and resulting multimedia electronic theses combine evidence of a successful practicum experience with documentation of exemplary practices in curriculum, instruction, and assessment.

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
Participants, working under the guidance of the instructor/supervisor, complete their program and projects and defend them in oral comprehensive examinations.

READ 682 CAGS Literacy Practicum II (1 credit) A continuation of READ 681, this course is required only of candidates who do not complete and/or successfully defend their project and exhibit in the academic year. Such candidates will register for READ 682 each semester thereafter (fall and spring) until the project is completed. Course is graded on a (P) Pass (N) No Pass basis. (Course restricted to cohort members)

RECREATION (RECR)

RECR 199 First Year Seminar (3 credits) Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

RECR 230 Introduction to Recreation (3 credits) The history of recreation from primitive man to the present. Philosophies of recreation, leisure, work and play are presented. Recreation services and career opportunities are discussed. Professional organizations and literature are reviewed. Fall semester.

RECR 298 Second Year Seminar (Speaking Intensive) (3 credits) Prerequisite: ___199: Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

RECR 299 Second Year Seminar (Writing Intensive) (3 credits) Prerequisite: ___199: Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

RECR 330 Theory and Principles of Leisure (3 credits) A course designed to provide the student an opportunity to explore the impact of leisure on society and the individual. Economic, educational, social and psychological phenomena and the force each has on leisure are examined. Offered alternate years.

RECR 331 Outdoor Recreation Resources (3 credits) Study of the design, effective use, management and programs of outdoor recreation and conservation areas. Offered alternate years.

RECR 332 Leadership and the Group Process (3 credits) This course provides theory and experiences necessary to develop an understanding of leadership, group dynamics and effective group skills. Fall semester.

RECR 333 Camp Leadership and Organized Camping (3 credits) A study of organized camps and camping programs with particular emphasis on program planning, selection and training of staff and administrative details in organized camping. Offered alternate years.

RECR 461 Organization and Administration in Recreation (3 credits) Organization and administration of recreation at public, private and commercial agencies are examined. Planning, organizing, directing, controlling and evaluating leisure services is included. Spring semester.

RECR 462 Programming for Recreation and Leisure (3 credits) The opportunity to plan, conduct, evaluate and observe a wide variety of both on-campus and community-based programs and activities. Spring semester.

RECR 463 Current Issues in Recreation and Leisure Service (3 credits) This course will provide for the study of selected current issues and changing trends in recreation and leisure service.

RECR 475 Games Leadership Workshop (3 credits) This workshop is designed for people interested in building relationships through play in games. The games emphasis

May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
will move away from the familiar competitive play experience to the non-competitive, supportive and cooperative play experience. Participants will develop a repertoire of games suitable for all ages. Leadership competition will provide participants with the tools to take games to others in schools, business, community groups and the family. Offered alternate years

RECR 498 Field Experience in Recreation (3-15 credits)
Prerequisite: Consent of the department; formal application required
A field experience offers qualified students the opportunity to gain practical experience in their field of study. Placements are made in both public and private agencies and are designed to complement the student's theoretical study.

RECR 499 Directed Study in Recreation (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to all juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

SOCIAL WORK (SCWK)

SCWK 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

SCWK 250 Introduction to Social Welfare (3 credits)
Prerequisite: PSYC 100 or SOCI 102
This course includes the analysis of the conceptions of social welfare, the historical development and function of social welfare and the value systems underlying the political, economic and social response to human needs. It offers an overview of the roles of the social worker and the varied settings in which interventions are employed. Includes a 30-hour service learning experience. Either semester

SCWK 270 Social Issues of Diversity and Oppression (3 credits)
This course introduces students to the concepts of diversity and oppression from a social work perspective. It provides the opportunity to define (and deconstruct), discuss and examine critically the phenomena of race, ethnicity, gender, culture, difference, power, pluralism, oppression, multiculturalism, social justice, empowerment, assimilation and social identity. It looks at various ethnic, racial, cultural and sociological populations from the perspectives of their history, identity, status, strengths, challenges, needs, power and context.

SCWK 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: _____199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

SCWK 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: _____199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _____299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

SCWK/WMST 304 The Psychosocial Development of Women (3 credits)
This course will provide an introduction to "women's reality" in terms of current research on women's values and needs. The course will cover such topics as power and conflict, sexuality and intimacy, creativity, ethnicity and the effects of oppression as well as the emotional problems which appear to affect women, e.g. depression, eating disorders, etc.

SCWK 305 Child Welfare (3 credits)
Prerequisite: 9 hours in behavioral studies
A comprehensive study of the principal child welfare services. The course will concentrate on the human service practitioner's role as a helping agent in the delivery of services. The impact of child welfare on the areas of education, sociology, psychology, health and mental health will include aspects of these disciplines as they relate to

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enchanting the welfare of the child. Learners will make site visits to child welfare agencies and interview professionals providing services to children. Either semester

SCWK 320 Human Behavior and Social Environment I (3 credits)
Prerequisite: SCWK 250 and one human biology course from the following: BIOL 100, BIOL 102, BIOL 110, BIOL 111, BIOL 112, BIOL 115, BIOL 117, BIOL 121, BIOL 128.
SCWK 320 must be completed before SCWK 498
This sequence examines the effects of biological, psychological and socio-cultural factors upon human behavior throughout the life span. Using an ecological perspective and social systems approach, this theoretically-oriented sequence chronologically explores human development. Human diversity, the various issues which may impel persons to maladaptive behavior, and the ways in which individuals shape and are shaped by their interactions with one another and within social institutions are all areas of focus in the sequence. Either semester

SCWK 321 Human Behavior and Social Environment II (3 credits)
Prerequisite: SCWK 250 and SCWK 270 and SCWK 320
This course is a continuation of SCWK 320 and examines human development from adolescence through old age. Either semester

SCWK 333 Current Issues in Aging: A Multidisciplinary Perspective (3 credits)
Prerequisite: Six credits in behavioral sciences or health
In the United States and abroad, population aging is one of the most critical challenges facing national and local governments, business, social institutions, communities, and families. This course will focus on issues and concepts in the field of aging with the goal of providing an overview of key elements of gerontological competency in social work. We will cover the normal physical, psychological, social, and cognitive changes in latter life and examine the services and programs available to older persons and their families.

SCWK 334 Intervention with Family Systems (3 credits)
Students will learn to conceptualize personal and interpersonal phenomena from a family systems perspective, to think in terms of circular rather than linear causality and to recognize patterns and sequences. Major theoretical family systems approaches will be presented, as well as basic intervention techniques. Offered once annually

SCWK 338 Introduction to Social Work Practice (3 credits)
Prerequisite: Acceptance into the Social Work Program; completion of SCWK 250; and completion of SCWK 270 and SCWK 320 which may be taken concurrently
This course is designed to provide students with an introduction to the basic knowledge, skills and values essential to entry-level generalist social work practice. The focus will be on the application of social work knowledge and values and the development of interviewing skills as they relate to relationship building, data collection and assessment of client systems. In addition to the two and a half hour lecture weekly, the course incorporates a 90-hour field placement.

SCWK 350 Social Welfare Policy (3 credits)
Prerequisite: SCWK 250 and SCWK 270 or consent of the instructor
This course follows the development of social welfare institutions and the societal response to human service needs. There is discussion of poverty and its effects on oppressed groups with special emphasis on African-Americans, Latino-speaking, women and the aged. Students are helped to analyze social policy. Either semester

SCWK 376 Social Work Research (3 credits)
Prerequisite: 3 hours in behavioral sciences
This course aids students in developing a beginning framework for assessing and working with adolescents. This framework is broadly integrative, addressing biological, psychological, social and cultural variables. The course considers the complex transactions between individuals and their environments, especially the social welfare system. It also addresses the impact of trauma on adolescent development and the specific needs of emotionally traumatized adolescents. Offered once annually

SCWK 377 Work with Adolescents (3 credits)
Prerequisite: Three hours in behavioral science
This course introduces students to the use of the bioecological model for working with adolescents. It will provide students with a foundation in the areas of development, education, the family, career, and the social work practice with adolescents. The course will be based on a description of developmental stages, and the educational, psychological and social conflicts which occur in adolescence. Special attention will be given to prevention and early intervention in this age group. Offered once annually

SCWK 380 Research Methods in Social Work (3 credits)
Prerequisite: SCWK 250 and SCWK 270; and SCWK 375 or equivalent
This course is designed to help social work students develop an understanding of social research methods and to equip them with the tools to measure the effectiveness of their practice and the quality of the services provided by human service agencies. The ethics, politics and utility of social research methods in all aspects of social work practice are explored. Particular emphasis is placed on research methods and applications unique to social work such as single-subject design studies and human services program evaluation. (Formerly SCWK 440)

SCWK 392 Treating Childhood Sexual Abuse (3 credits)
Prerequisite: 6 hours in psychology or sociology
This course will introduce the student to the many ways in which child sexual abuse affects a young child and family. Beginning with a brief historical overview of sexual abuse of children and our society's response to it, we will examine theoretical models for understanding abuse. The course will address the ways in which sexual abuse impacts the development of infants, toddlers and adolescents, and will include a discussion on treatment approaches for social workers and other practitioners. Offered once annually

SCWK 399 Special Topics in Social Work (3 credits)
Prerequisite: 9 hours in behavioral sciences
Various topics in social work will be offered from time to time. Topics will be announced prior to registration. May be taken more than once. Either semester
Course Descriptions

SCWK 415 Social Services in Alcohol and Substance Abuse (3 credits)
Prerequisite: SCWK 250 and SCWK 270
The course provides an overview of the problem of alcoholism and the various programs that deal with the problem. It has been designed primarily for students who have an interest in the area of alcoholism and substance abuse and either may be considering a career in treatment for alcoholism or may merely wish to expand their area of competence. The course focuses on the central issues of causation, resources, management, and treatment from a social work perspective. Students need to understand how the various programs and human service systems are planned, organized and evaluated. Students are introduced to theory and practice in relation to the functions that form the basis of various programs and services. Agency visits may be made. Either semester

SCWK 431 Social Work Practice with Individuals, Families and Groups (3 credits)
Prerequisite: SCWK 338
This course will integrate knowledge of assessment skills and intervention approaches that will enable client systems to function more effectively in view of both internal processes and sociopolitical pressures in their life situations. Strategies will be drawn from generalist practice. Either semester

SCWK 432 Social Work Practice with Communities and Organizations (3 credits)
Prerequisite: SCWK 338
This course deepens and expands generic social work skills and applies them to macro-level analysis and intervention in organizations and communities. Either semester

SCWK 435 Social Work-History, Theory and Issues (3 credits)
Prerequisite: SCWK 250 and SCWK 330 for social work majors; SCWK 250 and instructor's consent for non-majors
This course will begin by examining the school as an ecological unit created to educate and socialize children. The evolution of school social work within this system will be traced from its inception in 1906 to the present. The three traditional models of school social work will be explored: homeschoo linkage, direct service provider and team member. Issues of confidentiality, team building, and assessment and referral will be discussed. The student will acquire an understanding of the application of the social work methods of casework, group work, and community organization as practiced in the school with children in crisis and with special populations and problems. Either semester

SCWK 437 Social Work with Multicultural and Multiethnic Families (3 credits)
Prerequisite: 9 hours in behavioral sciences
This course examines social work practice with culturally and racially diverse families through study of relevant theory, case studies and the identification of personal issues and values. This course also examines contemporary issues as they affect social service delivery to families made vulnerable because of ethnic, cultural or racial biases.

SCWK 446 Social Work Practice with Groups (3 credits)
This course is designed to introduce students to the fundamentals of generalist practice social work with groups. The roles of group members, the functions and responsibilities of the leader, and the ethical principles for the conduct of group work are examined. Through the use of small group experiences, attention is given to problem-solving and the development of skills in observing, developing, and evaluating the small group construct and process. Students are oriented to the development of culturally sensitive, professional skills that maximize group functioning and goals. Offered once annually

SCWK 485 Honors Thesis (3 credits)
Prerequisite: Open to Commonwealth and Departmental Honors students
One hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Department Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending upon the scope of the project. Whether the final version of the thesis qualifies the student to graduate with honors will be determined by the department honors committee. Either semester

SCWK 498 Field Experience in Social Work (6 credits for each semester)
Prerequisite: Admission to the social work program; SCWK 320 and SCWK 338; consent of department; formal application required
The field experience provides opportunities for students to learn how to apply knowledge and to develop skills in direct services to clients under the direction of a qualified agency field instructor. A minimum of 410 hours is spent in a wide variety of community agencies from September-May of the senior year. This experience continues to build upon the practice sequence of SCWK 330, SCWK 431, and SCWK 432. A weekly seminar throughout the year allows students to integrate social work theory and practice into a unified whole as part of their development as beginning professional practitioners. Both semesters in fall-spring sequence

SCWK 499 Directed Study in Social Work (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

SCWK 500 introduction to Social Welfare Policy: History, Programs and Issues (3 credits)
Prerequisite: Matriculation in the MSW program
The course introduces students to the American social welfare systems and the social policies that serve as its underpinnings. It provides a historical perspective, with attention to important social, economic and political contexts. Analysis of different values and ethical positions will illustrate the degree to which they promote social and economic justice and serve underrepresented populations. Students will be introduced to a framework for policy analysis for use in evaluating policy responses to key social problems including poverty, health care, substance abuse, housing, child welfare, mental health, hunger, and issues facing the elderly. Special attention will be paid to social problems and policy responses in Southeastern Massachusetts. Offered once annually

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<th>Course Code</th>
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| SCWK 502 | Dynamics of Diversity and Oppression (3 credits)  
Prerequisite: Matriculation in MSW program; may be taken concurrently with SCWK 500  
This course introduces students to the concepts of diversity and oppression in our society as a foundation for the later infusion of these concepts throughout the MSW curriculum. Students will explore the dynamics of diversity, power differences, and oppression as part of an examination of systems of privilege and disadvantage based on race, gender, age, sexual orientation, disability, class, and economic status, religion, and other forms of social differentiation and stratification. Offered once annually |
| SCWK 503 | Directed Study (credits to be arranged)  
Prerequisite: Consent of the MSW program director  
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent or Directed Study" in the "School of Graduate Studies" section of this catalog. |
| SCWK 508 | Introduction to Social Policy (3 credits)  
Prerequisite: Matriculation in the MSW program; SCWK 500 and SCWK 502  
This course offers students an opportunity to develop the knowledge, skills, and attitudes necessary to become effective policy advocates. As policy advocates, social workers work to influence and change social policies in communities, agencies or legislative settings, with the goal of addressing social problems, increasing social justice, and assuring access to essential social resources, especially for groups that lack relative power in our society. The course will introduce skills for analyzing, developing, implementing, and assessing policy at varying levels of sponsorship and implementation. Offered once annually |
| SCWK 510 | Human Behavior in the Social Environment I (3 credits)  
Prerequisite: Matriculation in the MSW program; may be taken concurrently with SCWK 500 and SCWK 502  
This course introduces students to the multiple contexts in which people — function communities, organizations and families — and to the theoretical base that underlies social work practice. Building on the contributions to our understanding of human functioning provided by biology, psychology, sociology, economics and political science, it explores the challenges and opportunities created by multiple systems and by diverse and sometimes conflicting theoretical explanations of human behavior. Offered once annually |
| SCWK 511 | Human Behavior in the Social Environment II (3 credits)  
Prerequisite: Matriculation in MSW program; SCWK 500 and SCWK 502 and SCWK 510  
This course will present theories related to strengths-based practice such as social constructivism, narrative theory and family systems theory which foster understanding of resiliency used throughout the lifespan to face selected developmental challenges. A lifespan approach will highlight the common development themes of each stage along with an appreciation of inherent strengths that come from an integrated biopsychosocial cultural and familial understanding. Offered once annually |
| SCWK 512 | Human Behavior in the Social Environment III: DSM-IV-TR (3 credits)  
Prerequisite: Matriculation in MSW program; SCWK 500 and SCWK 502 and SCWK 510 and SCWK 511  
This course will expose students to multiple perspectives in assessing and diagnosing children, adolescents and adults. Students will learn how to assess a client system within the framework of the mental health system which relies on the DSM-IV-TR. Students will use direct experience with their clients to understand the impact of mental illness on a client and on family functioning. The ethics of using these assessments will also be explained. Offered once annually |
| SCWK 530 | Social Work Practice I (3 credits)  
Prerequisite: Matriculation in the MSW program; must be taken concurrently with SCWK 590  
This course introduces social work practice skills for working with individuals, families, and small groups. Students are introduced to the problem-solving process and to the process of building a professional relationship. Policies, purposes, and functions of social service agencies are examined. Attention is given to the development of culturally congruent social work practice skills in relation to age, ethnicity, gender and other variables. |
| SCWK 531 | Social Work Practice II: Groups and Community-Based Practice (3 credits)  
Prerequisite: Matriculation in the MSW program; SCWK 530 and SCWK 590; must be taken concurrently with SCWK 591  
This course introduces the knowledge, skills, and values needed to enhance the responsiveness of communities and organizations to the needs of their constituents. The health and resilience of individuals and families depends substantially on the policies and practices of the communities and social institutions in which they dwell. The course aims to prepare social workers to work with community members to ensure the provision of needed resources to all and to enable human service agencies to deliver effective services. Techniques for analyzing communities and organizations and skills for facilitating system change such as coalition-building, lobbying, and using the media will be covered. |
| SCWK 540 | Introductory Social Research (3 credits)  
Prerequisite: Matriculation in the MSW program; SCWK 500 and SCWK 502 and SCWK 530  
This course introduces students to the role of research in social work and familiarizes students with the basic concepts and methods of social science research. It emphasizes ethical decision-making within the research process as it introduces students to research techniques including surveys, experiments, single-subject designs, qualitative methods and program evaluation. The stages of the research process including question formulation and hypothesis generation, research designs development of research instruments, and understanding findings will be addressed. Throughout, attention will be paid to the evaluation and application of existing social science research in social work practice and to the contributions made by social workers to new knowledge. Offered once annually |
| SCWK 541 | Research: Evaluating Practice (3 credits)  
Prerequisite: Matriculation in MSW program; SCWK 500 and SCWK 502 and SCWK 530 and SCWK 540  
The second required course in the research sequence |

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

SCWK 550 Social Work Practice III: Intergenerational Strengths-Based Practice with Families (3 credits)
Prerequisite: Matriculation in the MSW program or as an Advanced Standing student; SCWK 530 and SCWK 531 and SCWK 590 and SCWK 591; must be taken concurrently with SCWK 592

This is the first of two concentration practice courses. This course will present theoretical analysis of clinical models for working with families and integrate those models with current best practices for social work practice. This course will also focus on community-employed models of community intergenerational family-based social work practice with diverse families. Offered once annually.

SCWK 551 Social Work Practice IV: Intergenerational Strengths-Based Practice with Individuals (3 credits)
Prerequisite: Matriculation in the MSW program; SCWK 550 and SCWK 592; must be taken concurrently with SCWK 593

This is the second of two concentration practice courses. This course will present theoretical analysis of clinical models for working with individuals and integrate those models with current best practices for social work practice. This course will also focus on community-employed models of community intergenerational individual-based social work practice with diverse individuals. Offered once annually.

SCWK 570 Integrative Seminar I (3 credits)
Prerequisite: Matriculation in the MSW program; SCWK 550 and SCWK 591; must be taken concurrently with SCWK 551 and SCWK 593

This capstone course provides an opportunity for students to synthesize, expand and apply the learning achieved during the MSW program. Focusing on the program’s theme of intergenerational family-based practice utilizing a strengths and resiliency model of intervention, students will engage in a planned change process on behalf of populations at risk. They will apply their knowledge of human functioning, policy analysis, program evaluation and new program development to preparing a comprehensive approach to social work practice. Offered once annually.

SCWK 572 Social Policy II (3 credits)
Prerequisite: Admission to the MSW program

The theory, knowledge, research, values and skills of social welfare integrational family policy and service analyses/advocacy/practice are examined in the course. Emphasis is placed upon the processes and methods for understanding, analyzing, and advocating social welfare intergenerational family policies/services at the local, state and federal levels.

SCWK 580 Special Topics (1.5-3 credits)
Prerequisite: Matriculation in the MSW program or consent of the instructor

Special topics of current relevance in social work will be offered each semester. Topics to be addressed will be announced in the course schedule. This course may be taken four times with different topics for a maximum of 6 credits.

SCWK 590 Field Practice and Seminar I (3 credits)
Prerequisite: Matriculation in the MSW program and SCWK 531

This is the first of a two-semester practicum that provides for the integration of the student’s learning into the field. Students are placed in a single social work setting for 16 hours per week, working directly under the supervision of an MSW professional. Students meet in lecture sessions once a week for two hours for the purpose of integrating field practice experiences and the application of social work theory, knowledge, skills and values. Barriers to full participation by the disadvantaged in society’s economic, political, and social processes are explored, as are the economic and ethical challenges to professional practice. Offered once annually.

SCWK 591 Field Practice and Seminar II (3 credits)
Prerequisite: Matriculation in the MSW program and SCWK 531

This is the second of a two-semester practicum that provides for the integration of the student’s learning into the field. Offered once annually.

SCWK 592 Field Practice III (4 credits)
Prerequisite: Matriculation in the MSW program and consent of MSW coordinator

This is the second year, two-semester practicum that offers the student ongoing opportunities to integrate classroom learning in the field. Students are placed in a single social work setting for both semesters for 24 hours per week, working directly under the supervision of an MSW professional. Students meet on a scheduled basis with their faculty adviser to assess progress and problem-solve. Offered once annually.

SCWK 593 Field Practice IV (4 credits)
Prerequisite: Matriculation in the MSW program; consent of the MSW coordinator; SCWK 592

This is the second semester of the second year, two-semester practicum that offers the student ongoing opportunities to integrate classroom learning in the field. Students are placed in a single social work setting for both semesters for 24 hours per week, working directly under the supervision of an MSW professional. Students meet on a scheduled basis with their faculty adviser to assess progress and problem-solve. Offered once annually.

Other Approved Courses:
SCWK 150 Introduction to Social Work
SCWK 376 Social Work with Adolescents and Young Adults
SCWK 400 Social Services in the Health Care Field
SCWK 398 Junior Year Fieldwork Practice
SCWK/HEAL 403 Interdisciplinary Approaches to the Delivery of Health Services
SCWK 506 A Diversity Framework for Social Work
SCWK 507 A Strengths and Resilience Framework

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SOCIOLOGY (SOCI)

SOCI 102 Introduction to Sociology (3 credits)
This course covers such areas as social structure, basic human institutions, analysis of social processes and major social forces. Either semester (CSOC; CMCL)

SOCI 103 Social Problems (3 credits)
Contemporary social problems which are reflected in the behavior of individuals, but whose origins and causes lie outside of individuals. Topics treated will include drug abuse, crime, juvenile delinquency, divorce and other family problems, mental illness and other health problems, social class, and selected social issues. Either semester (CSOC; CMCL)

SOCI 104 Global Social Problems (3 credits)
This course treats major world problems with particular emphasis upon those faced by non-Western peoples. The interdependence between economically developed and underdeveloped parts of the world will be explored according to such themes as collective versus individual good, short versus long-term planning and cooperation versus competition. Either semester (CSOC; CMCL)

SOCI 199 First Year Seminar (3 credits)
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (FYYS)

SOCI 203 The Family (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
This course examines the family as a social institution in terms of its historical and cultural development. Students will also analyze psychological and social factors of contemporary family life. Either semester (Formerly SOCI 303)

SOCI 204 Gender, Sexuality, and Society (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
Sexuality is a central aspect of human social life. This course closely examines the theories, concepts, practices, and ramifications relating to issues of sex, gender, sexuality, and identity. It will increase students' understanding of the connections between human sexual attitudes and behaviors and larger social forces, and will examine taken-for-granted societal assumptions about human sexuality. Topics include the social construction of sex, gender, and sexual orientation; the interaction of gender roles and sexual attitudes; pornography; prostitution; date rape; and sexual harassment. (CSOC; CMCL; CWRT)

SOCI 205 Sports in Society (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
Sport is a multi-dimensional phenomenon. It is so pervasive in the Western world that its mark has been stamped on every social institution. This course will use the conceptual frameworks, theories, and research methods of sociology to look at and better understand sport within the social context. The course will examine specific problems such as those faced by women in sport, ethnic outsiders, and iconic sports figures. Topics including politics, education, deviance, the family, collective behavior, violence, and stratification will be addressed. Offered alternate years

SOCI 206 Cities and People: Urban Sociology (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
This course examines cities and urbanization in comparative perspective. It will also focus on changing urban social structures, the nature of city life, urban planning and grassroots participation in urban change. Offered alternate years, spring semester (Formerly SOCI 306)

SOCI 207 Social Inequality (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
This course explores inequality in the U.S. within a global context. The class focuses on the major dimensions of social inequality: class, race and ethnicity, and gender. It examines the causes, processes, and consequences of inequality and stratification. Topics covered include wealth and poverty inequality, crime, and criminal justice inequality and health; education and social mobility; and policy questions related to inequality and poverty. Every semester (Formerly SOCI 304)

SOCI 208 Sociology of Religion (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
Comparative study of religious systems and institutions; function and role of religion and the church in society; professional status, history and relations of the clergy. Spring semester (Formerly SOCI 108)

SOCI 214 Middle Eastern Societies (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
This course introduces the cultures and social structures of Middle Eastern Societies, with a focus on social change in the region. Topics covered include the role of Islam, patterns of leadership, the distribution of wealth and power, family patterns, the position of women, and the nature of work. Every semester (CSOC; CGCL; CMCL)

SOCI 215 Death, Dying, and Bereavement (3 credits)
Prerequisite: SOCI 102 or consent of the instructor
The study of death deals with questions at the roots of human experience. Encounters with death are individual, yet socially constructed. Human reactions to death and the rituals surrounding it are influenced by various social factors, including family, peers, gender, race and ethnicity, and our own identity. This course will help students appreciate the diversity of death and bereavement practices and will offer students critical-thinking skills that will be useful as they encounter death-related issues. Topics will include end-of-life care, suicide, euthanasia, funeral practices, bereavement and loss, and near death experiences. (Formerly SOCI 317)
SOCl 217 East Asian Societies: China and Japan (3 credits)  
Prerequisite: SOCI 102 or consent of the instructor  
This course examines the cultural and social structure of traditional and modern China and Japan. The course will focus on topics such as work and economy, rural-urban contrasts, family and kinship, the position of women and the relationships between state and society. The course will conclude with an assessment of the positions of the two societies in the contemporary world. (CSOC; CGCL; CMCL)

SOCl 218 Chinese Society and Culture (3 credits)  
Prerequisite: SOCI 102 or consent of the instructor  
This course provides a general introduction to Chinese society and culture. It examines the structure of Chinese society and the characteristics of Chinese culture. The course pays particular attention to China's economic reform and its social and political consequences. Topics covered include Confucianism, Chinese Martial Arts, free market within a communist regime, China's political future, changing Sino-US relations, and growing prosperity and inequality in China. (CSOC; CGCL)

SOCl 219 Population and Society (3 credits)  
Prerequisite: SOCI 102 or consent of the instructor  
This course describes the mutual influence of demography and social structure. Trends in population growth and their effect on industrialization and urbanization will be covered in the context of developed and Third World nations. Alternate years (CSOC; CWRT)

SOCl 220 Third World Societies (3 credits)  
Prerequisite: SOCI 102 or consent of the instructor  
This course introduces the sociological aspects of development in the Third World and the role of the West in that process. Industrialization, urbanization, education, the "Green Revolution," population growth, class structure, political structure, etc., are related to development. Fall semester (CSOC; CGCL; CMCL)

SOCl/CRIU 227 Deviance and Social Control (3 credits)  
Prerequisite: SOCI 102 or CRIU 201; or consent of the instructor  
This course examines deviant acts with an eye toward understanding social order and change. Topics covered include the types and causes of deviance, the social conditions and elements of deviant acts, and the effects of deviance and mechanisms for prevention, punishing and rehabilitating deviant individuals and groups. Every semester (Formerly SOCl/CRIU 327)

SOCl 228 Criminology (3 credits)  
Prerequisite: SOCI 102 or consent of the instructor  
This course will be concerned with theories of crime causation, and perspectives on administration, treatment, prevention and prediction. Consideration will be given to the influence of social class and other factors in criminal behavior. Every semester (Formerly SOCl 328)

SOCl/CRIU 255 Juvenile Delinquency (3 credits)  
Prerequisite: SOCI 102 or CRIU 201; or consent of the instructor  
Analysis of the nature and types of juvenile behavior that violates law; the mechanisms of defining such behavior as delinquent; and the relationship between delinquency and the social situations of juvenile offenders. Fall semester (Formerly SOCl/CRIU 355)

SOCl 280 Genocide and Political Violence (3 credits)  
Prerequisite: SOCI 102 or SOCI 104 or consent of the instructor  
This course explores the perplexing and disturbing reality of widespread genocide and political violence throughout the world, particularly during the course of the 20th century and into the new millennium. We will explore the causes of genocide, what constitutes genocide, how genocide is rationalized and allowed to continue, and what ends genocide. Case studies covered may include the Holocaust, Armenia, Rwanda, Burma, El Salvador, Guatemala, Nicaragua, Argentina, East Timor, Chiapas, Sierra Leone, Uganda, Sudan, Bangladesh, Tibet, and Congo. Spring semester

SOCl 290 Seminar: Social Theory (3 credits)  
Prerequisite: SOCI 102 or consent of the instructor  
This course addresses the history of social theory and selected topics in modern social theories, analysis of alternative conceptual approaches and their methodological requirements. For majors in sociology and behavioral sciences. Either semester (Formerly SOCl 400)

SOCl 298 Second Year Seminar (Speaking Intensive) (3 credits)  
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 199 is taken for credit.

Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, interpret, and improve knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

SOCl 299 Second Year Seminar (Writing Intensive) (3 credits)  
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___ 298 is taken for credit.

Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share, interpret, and improve knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each
Course Descriptions

course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

SOC 302 Cyberspace and Society: Sociological Perspectives (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course examines the social implications of new digital and communications technologies, especially the Internet and the World Wide Web, from a sociological perspective. Students will use the Internet and the Web to study both. Topics covered include the origins and development of the Internet and the Web, the visions underlying both, and their potential for transforming social life both positively and negatively. The course will also focus on inequality (the "digital divide"), the role of the Internet in developing community, the implications of the Internet and the Web for the control over and access to information, the social and cultural effects of technological change, and the effects of the Internet and the Web on work, economy, and community. The course will also examine race, ethnicity, class, and gender in relation to the digital divide.

SOC 305 Sociology of Education (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course examines schools as social organizations, the culture of schools, the relationships between education and social stratification and the sociology of educational reform. All levels of education are considered, from kindergarten through higher education. Fall semester

SOC 307 Medical Sociology (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
Concepts of health, illness, disease, and health care analyzed from the perspectives of patient (client), practitioner and relevant third parties. Medicine will be analyzed as a social system, with attention to factors in the physical and sociocultural environment and case materials will be drawn from non-Western as well as Western societies. Offered alternate years, Fall semester

SOC 310 Women and Crime (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
This course examines women and crime from sociological and criminological perspectives. The course will cover a wide variety of topics related to women and crime, including crimes against women, crimes perpetrated by women, women in prison, and women as criminal justice system officials. The course will closely examine violent crimes against women including rape, murder and battering. It will also focus on battered women who kill their attackers. Other important topics include feminist criticisms of mainstream criminology and the emergence of feminist theories in criminology. Fall semester

SOC 312 Discrimination and Prejudice (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course is a study of the relationship between majority and minority groups in America, with attention to the domination of categories of people on the basis of their race, sex, age, ethnicity and/or religion. Theories and data will be presented concerning the development, maintenance and operation of discrimination and prejudice and the relationship between them. Fall semester

SOC 313 Family Violence (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
This course examines violence in the family from sociological and criminological perspectives. It also examines the response of the criminal justice system to family violence. The course examines the extent, types and causes of violence in families and domestic units and will also analyze the reasons why most family violence is directed against women and children. The course considers recommendations for family intervention and policies for the prevention of family violence, as well as the social and legal implications of those recommendations. Alternate spring semesters

SOC 315 Race and Ethnicity in America (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course explores debates on diversity within the U.S. by taking a sociological perspective on the experiences of various racially and ethnically defined groups and on the relations among those groups. Drawing on a sociological approach to immigration, race and ethnicity, stratification, and conflict, the course focuses on the role of power, privilege, and access to resources in the social construction of race and ethnicity. The course will also examine important policy debates, including those over Affirmative Action, poverty, crime and criminal justice; inequality and health education and social mobility; and policy questions related to inequality and poverty. Fall semester

SOC 316 Social Movements (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
Many societies have been shaped by and continue to be affected by a politically diverse array of social movements. In the United States, social movements focusing on temperance, abolition, labor, civil rights, women's rights, fundamentalism, and environmental issues have played major roles. This course provides an overview of social movements and their effects on cultures, societies, and individuals. Topics covered include the structures and stages of social movements, and theories of the emergence of social movements.

SOC 322 Sociology of Childhood (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course recognizes and examines childhood as a social construction that differs within various historical, economic, social and cultural contexts. Topics covered include socialization; peer culture; the institutionalization of childhood; the racial, cultural, economic and gender dimensions of childhood; and the emergence of adolescence. Alternate spring semesters

SOC 323 Sociology of Adolescence (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course provides a critical examination of adolescence in North American societies, focusing on the causes and consequences of the lengthened period in which the

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Course Descriptions

transition to adulthood occurs. It provides a brief history of adolescence research, identifying a select set of topics, themes, and research problems that guide current research on adolescence and youth. These themes include, but are not limited to, peer group relations, biological influences on adolescence, employment experiences, increased autonomy, racial and gender differences, youth culture, dating patterns, family, and education. Special emphasis will be placed on the relationship of adolescents' social roles to processes of social change and stability. Offered alternate years

SOCI 326 Social Gerontology - Sociology of Aging (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course will focus on aging in America as a social problem. Topics covered will include reasons for the view of aging as a problem, the impact of aging on individuals and society, sociological theories of aging and proposed ways of alleviating or eliminating aging as a problem. Spring semester

SOCI 330 Women's Roles: Sociology of Sex and Gender (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
An analytical study of the relation of sex to power and influence in society. Differentiation in sex roles as affected by the economy and reinforced by other institutions. New alternatives for women. Spring semester

SOCI 332 Sociology of Organizations (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
Analysis of the emergence, structure, function, culture and social significance of complex organizations. Emphasis will be placed upon the results of research in hospitals, schools, prisons and military and industrial organizations. Attention will be given to informal associations and organizational change. Spring semester

SOCI/CRIJU 334 White Collar Crime (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
Broadening the definition of crime, this course will study behavioral systems involved in the commission of white collar crimes in complex structures, such as government bureaucracies, multi-national corporations and underground systems. The modern institutional factors – political and social – permitting or restricting the commission of such crimes will be investigated. Specifically, the performance of the criminal justice system will be examined. Spring semester

SOCI 338 Game Theory and the Law (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course will use game theory to study how legal rules affect the way people behave. Game theory as a tool of analysis offers powerful insights into how people make decisions. This course conveys the concepts and methods of game theory through analysis of legal problems, including criminal law, torts, contract law, antitrust, bankruptcy, and civil procedure, etc. The applications emphasize the ways to restructure institutions to encourage mutually advantageous outcomes. (CSOC; CQUR)

SOCI/CRIJU 339 Violence, Guns, and Society (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
This course focuses on guns and lethal violence in society. Drawing on both criminal justice and sociological theory and research, it examines the causes and consequences of lethal violence with special attention to the role of firearms. Topics covered include the definitions and causes of violence, the extent to which guns intensify violence, guns and lethal violence, in comparative perspective, the American gun culture, the Second Amendment, the politics of gun control, the legal regulation of guns, the relationships between gun prevalence and gun violence, and the costs of gun violence. Fall semester

SOCI 342 Comparative Sociology (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course explores different varieties of human behavior, beliefs, values, and social structure in different societies. The diversity shows that people are shaped by the social context around them, and social rationalization is based on culture and tradition. Social institutions and policies in the United States are examined first and then compared to the experiences of selected countries in East Asia (China and Japan) and Europe (primarily Britain, Germany and Sweden). Comparison is used as the explicit means to interpret social formations. Offered yearly

SOCI 352 Urban Crime (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or CRJU 201; or consent of the instructor
This course examines urban and neighborhood crime. In addition to surveying theories of urban crime, disorder, and unrest, it examines responses to urban crime, including community policing, order maintenance policing, crime prevention through environmental design, and programs to ameliorate the deeper causes of crime. The course examines the effects of inequality, racial and ethnic discrimination, substance abuse and gun violence on urban crime. Another topic covered is the drop in urban crime rates during the 1990's. Offered alternate years

SOCI 353 Cities in a Global Context (3 credits)
Prerequisite: SOCI 102 and SOCI 206 and SOCI 290; or consent of the instructor
The world is now urban. From global cities such as New York, Tokyo, and London, to large but much poorer cities such as Sao Paolo, Mexico City, and Cairo, over half of the world's population lives in cities. In order to understand cities in a global context, the course covers the processes of globalization especially as they have an impact on cities around the world. Topics covered include the global cities hypothesis, the new inequalities among and within cities, case studies of cities in the new urban global economy, global urban networks, and the nature of urban life in rich and poor cities. Offered every other year

SOCI 360 Feminist Theory in Sociology (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course introduces students to feminist theory in sociology and social science. It also covers the history of women in social theory as well as historical and contemporary contributions by women theorists. Feminist theories of human behavior and social life will be analyzed and discussed in the context of major theoretical traditions and the construction of knowledge in sociology.
Course Descriptions

compared to other theories. Offered alternate years, fall semester (CSOC; CMCL; CWRT)

SOCI 370 Sociological Analysis (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course provides students with research opportunities, helps them to develop theoretical explanations, and gives them practice in bringing sociological data to bear on those theoretical explanations. This course is the Writing Intensive in the major course and acts as a bridge between basic and advanced sociology courses. (CWRM)

SOCI 380 Qualitative Methods and Urban Ethnography (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
This course introduces students to qualitative research methods in social research. The course will consider the historical and theoretical background to qualitative methods, the principles of qualitative methods, as well as particular methods including participant observation, qualitative interviews, and the use of documents. Ethical issues, selection strategies, and gaining access will also be addressed. Either semester

SOCI 390 Seminar: Research Methods in Sociology (3 credits)
Prerequisite: SOCI 102 and SOCI 290 and SOCI 370; plus one other sociology course
This course addresses the application of scientific methods to the analysis of social phenomena, methodological orientation in sociological research procedures, and the nature of sociological variables. The course is designed for majors in sociology, criminal justice or behavioral sciences. Either semester (Formerly SOCI 402)

SOCI 391 Seminar: Social Data Analysis (3 credits)
Prerequisite: SOCI 390; or ANTH 100 and ANTH 103
This course introduces students to quantitative data analysis. The course focuses on the major statistical techniques used in sociology and will emphasize data analysis in the context of substantive research problems. Topics covered include data analysis packages, choosing appropriate statistics, interpreting statistical results and presenting research findings. Either semester (Formerly SOCI 403) (CSOC; CUR)

SOCI 399 Special Topics in Sociology (3 credits)
Prerequisite: SOCI 102 and SOCI 290; or consent of the instructor
Various special topics of current interest in sociology will be offered from time to time. Topics will be announced before registration. This course may be repeated for credit for different topics.

SOCI 410 Sociology of Urban Planning and Policy (3 credits)
Prerequisite: SOCI 102 and SOCI 206 and SOCI 290; or consent of the instructor
This course examines urban and regional planning and policy from a sociological perspective. Large scale social forces such as uneven urban development, urban sprawl, the decentralization of metropolitan areas, and deindustrialization have produced changes in various dimensions of urban life, including housing, transportation, land use, urban renewal, and neighborhood life. This course examines those social forces and changes to understand the rise of urban problems and how urban and regional planning and policy can help develop more livable cities and metropolitan regions. The course introduces students to the policies, issues, processes, and tools of planning within the context of the history, sociology, and theory of planning and regional change. In examining the social forces and structural constraints within which planning operates, the course emphasizes the importance of inequalities of race, ethnicity, class, and gender. Although the course will examine planning broadly, it will at times focus on southeastern Massachusetts. Offered every other year

SOCI 485 Honors Thesis (3 credits)
Prerequisite: Admission to the Departmental Honors Program and senior status
This course is open to Commonwealth and Departmental Honors students. One-hour weekly meetings with the thesis director will culminate in an honors thesis. With the consent of the Departmental Honors Committee and the thesis director, this course may be extended into a second semester for three additional credits depending on the scope of the project. The Departmental Honors Committee will determine if the final version of the thesis qualifies the student to graduate with Honors.

SOCI 497 Research (3 credits)
Prerequisite: SOCI 390 or consent of the instructor
Under the direction of the instructor, students will conduct social research. The topic will be announced before registration. Students will write reports of findings as for publication and/or conference presentation.

SOCI 498 Internship in Sociology* (3-15 credits)
Prerequisite: A cumulative GPA of 2.5; consent of the department; formal application required
The internship provides an opportunity for senior sociology majors to gain practical expertise in the field by participating in an off-campus work study experience that complements their academic preparation. In addition to working in their internship setting, students will meet regularly with a faculty supervisor. Students may work in an appropriate local, state, or federal agency or private organization. Only three credits of internship may count toward the major in sociology. Either semester

* No more than six hours of any combination of SOCI 498 and SOCI 499 may be counted toward the first 30 hours of the sociology requirements for a major.

SOCI 499 Directed Study in Sociology* (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

* No more than six hours of any combination of SOCI 498 and SOCI 499 may be counted toward the first 30 hours of the sociology requirements for a major.

Other Approved Courses:
SOCI 225 The Irish-American Experience
SOCI 329 Public Opinion and Mass Media

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
**SPECIAL EDUCATION (SPED)**

**SPED 199 First Year Seminar (3 credits)**  
Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.  
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

**SPED 202 Introduction to Special Education (3 credits)**  
This introductory course focuses on various aspects of education involving all learners, including educational philosophy, foundations, effective teaching practices and models, and professional teaching standards. An emphasis on special education definitions, terminology, development characteristics, curriculum and programs will be included. Pre-practicum monitored field-based experience is required.

**SPED 203 Cultural Diversity Issues in School and Society (3 credits)**  
This course will introduce the major goals, principles, and concepts of multicultural education with an emphasis on the impact on school and society. It will explore the cultural, linguistic and socioeconomic factors influencing our schools. It will offer concepts to assist participants to improve the learning environment and interaction among school, parents and community. Offered either semester (CMCL)

**SPED 211 The Early Childhood Learner with Special Needs (3 credits)**  
This course will enable the student to develop the instructional and behavioral competencies to foster the inclusion of young children with special needs into early childhood educational settings. This course will examine the curricular adaptations and modifications as well as the preparation, implementation and evaluation of Individualized Family Service Plans and Individualized Educational Plans.

**SPED 217 Meeting the Needs of All Learners (3 credits)**  
This course will enable the student to identify appropriate strategies to effectively educate all learners, including students with special needs in general education settings. It will highlight instructional activities, curriculum modifications, assessment strategies, and other adaptations that are usable in standards-based classroom. A field-based experience is required.

**SPED 229 Field Work in Special Education (3 credits)**  
Prerequisite: SPED 202 and SPED 206 or SPED 203 only.  
The practical aspects of special education will be brought into focus through the use of appropriate facilities. In cooperation with area programs, specific teaching and related activities will be undertaken for use in both special needs and mainstream programs.

**SPED 298 Second Year Seminar (Speaking Intensive) (3 credits)**  
Prerequisite: _SPED 199_; Open to all sophomores and juniors who have completed ENGL 101 and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _SPED 299_ is taken for credit.  
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

**SPED 299 Second Year Seminar (Writing Intensive) (3 credits)**  
Prerequisite: _SPED 199_; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if _SPED 298_ is taken for credit.  
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)
SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner (3 credits)
Prerequisite: SPED 202 and admission to the Professional Education Program
This course will focus on basic principles, models and techniques for effective individual and classroom management in various educational environments. Pre-practicum monitored field based experiences required at the level of license sought: PreK-8, 5-12.

SPED 303 Principles and Procedures of Assessment of Special Needs Learners (3 credits)
Prerequisite: SPED 202 and admission to the Professional Education Program
This course will provide students with the ability to assess educational needs of special learners. Emphasis on consideration of non-discriminatory procedures appropriate to social, racial and linguistic differences. Strategies for modifying teaching based on evaluation results. Pre-practicum monitored field based experiences required at the level of license sought: PreK-8, 5-12.

SPED 402 Children with Reading Disability: Diagnosis and Teaching Strategies (3 credits)
Prerequisite: SPED 202 or SPED 510 and admission to the Professional Education Program
This course will investigate the etiology of reading disabilities: physical, cultural and environmental. Early literacy, diverse modes of instruction and correlation to whole language programs will be analyzed. Specific teaching programs and strategies will be emphasized. Pre-practicum monitored field based experiences required at the level of license sought: PreK-8, 5-12.

SPED 403 Curriculum Development and Implementation for Special Needs Learners (3 credits)
Prerequisite: SPED 202 and admission to the Professional Education Program
This course enables the student to design and implement appropriate Individual Educational Plans (IEP) under existing federal and state laws. Emphasis is placed on strategies and techniques which promote the academic, social, emotional, vocational and cultural needs of the special needs learner within a variety of instructional environments. Pre-practicum monitored field based experiences required at the level of license sought: PreK-8, 5-12.

SPED 404 Student Teaching Practicum: Inclusion Program (PreK-8) (6 credits)
Prerequisite: Admission to the Professional Education Program and Student Teaching Experience
This practicum involves responsibility as a teacher in a general education classroom which includes specific services being provided for learners with special needs. This practicum is done at the PreK-8 level under a qualified cooperating teacher and a college supervisor.

SPED 405 Student Teaching Practicum: Special Education Program (PreK-8) (6 credits)
Prerequisite: Acceptance into student teaching Program involves a minimum of one hundred and fifty (150) hours of observation, assisting and full time teaching, with a minimum of one hundred and thirty-five (135) hours in direct instructional responsibilities in programs for moderate special needs students. This practicum is done at the PreK-8 level under a qualified cooperating teacher and college supervisor.

SPED 406 Student Teaching Practicum: Mainstreamed Program (5-12) (6 credits)
Prerequisite: Acceptance into student teaching Practicum involves a minimum of one hundred and fifty (150) hours of observation, assisting and full time teaching, with a minimum of one hundred and thirty-five (135) hours in direct instructional responsibilities in a regular classroom in which special needs students are integrated. This practicum is done at the 5-12 level, under a qualified cooperating teacher and college supervisor.

SPED 407 Student Teaching Practicum: Special Education Program (5-12) (6 credits)
Prerequisite: Acceptance into student teaching Practicum involves a minimum of one hundred and fifty (150) hours of observation, assisting, and full time teaching, with a minimum of one hundred and thirty-five (135) hours in direct instructional responsibilities in a program for moderate special needs students. This practicum is done at the 5-12 level, under a qualified cooperating teacher and college supervisor.

SPED 410 Instructional and Curricular Strategies for Learners with Intensive Special Needs I (3 credits)
Prerequisite: SPED 202 and SPED 203, or SPED 206; and admission to the Professional Education Program
This course is designed to provide knowledge relating to the curricula and instructional needs of learners with intensive special needs. Fundamental concepts of the IEP process, applicable technologies that facilitate communication, mobility, parental support, support systems, and collaborative aspects will be addressed. Pre-practicum monitored field based experiences required.

SPED 411 Instructional and Curricular Strategies for Learners with Intensive Special Needs II (3 credits)
Prerequisite: SPED 410 and admission to the Professional Education Program
This course provides further development of issues addressed in SPED 410. Additionally, the course provides knowledge concerning advanced instructional and management strategies that can enhance the quality of life of individuals with intensive special needs. Fundamental concepts/strategies relating to social interactions, employability, constructive use of leisure time, managing behavior, communication interventions, and medication management are addressed. Pre-practicum monitored field based experiences are required.

SPED 412 Student Teaching Practicum: School Setting, ISN (6 credits)
Prerequisite: Acceptance into student teaching Practicum involves a minimum of 150 hours of observation, assisting, and full-time teaching in an educational program for individuals with intensive special needs. The practicum is done at the 3-21 level, under the supervision of a cooperating practitioner and college supervisor.

SPED 413 Student Teaching Practicum: Alternative Setting, ISN (6 credits)
Prerequisite: Acceptance into student teaching Practicum involves a minimum of 150 hours of observation, assisting, and full-time responsibilities in an alternative program for individuals with intensive special needs. This practicum is done at the 3-21 level, under the supervision of a cooperating practitioner.
## Course Descriptions

**SPED 415 Methods and Materials for the Academically Talented (3 credits)**
*Prerequisite: PSYC 100*
Emphasis is placed on the identification and placement of gifted pupils in our schools and the related program, enrichment activities, creative development, method and materials, modified curriculum, administration, motivation and treatment of underachievement.

**SPED 431 Student Teaching Practicum — Moderate Disabilities (PreK-8) (6 or 12 credits)**
*Prerequisite: Acceptance into student teaching*
This practicum involves a minimum of 300 hours of teaching in a minimum of two distinct educational settings where students with moderate disabilities (PreK-8) are educated. This experience is supervised by a qualified cooperating practitioner and college supervisor.

**SPED 432 Student Teaching — Moderate Disabilities (5-12) (6 or 12 credits)**
*Prerequisite: Acceptance into student teaching*
This practicum involves a minimum of 300 hours of teaching in a minimum of two distinct educational settings where students with moderate disabilities (5-12) are educated. This experience is supervised by a qualified cooperating practitioner and college supervisor.

**SPED 433 Student Teaching — Severe Disabilities (6 or 12 credits)**
*Prerequisite: Acceptance into student teaching*
This practicum involves a minimum of 300 hours of teaching in a minimum of two distinct educational settings where students with severe disabilities are educated. This experience is supervised by a qualified cooperating practitioner and college supervisor.

**SPED 498 Internship in Special Education (3-15 credits)**
*Prerequisite: Consent of the department; formal application required and admission to the Professional Education Program*
Off-campus experiences in areas related to expanding the student's background in special education. In-depth exposure to such areas as rehabilitation programs, sheltered workshops, day care centers, hospital and institutional programs.

**SPED 499 Directed Study in Special Education (1-3 credits)**
*Prerequisite: Consent of the department; formal application required*
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits.

**SPED 502 Research (credit to be arranged)**
Original research undertaken by the graduate student in their field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.

**SPED 503 Directed Study (credit to be arranged)**
Designed for the graduate student who desires to study selected topics in a specific field. For details, consult the paragraph entitled "Independent Study" in the "School of Graduate Studies" section of this catalog. This course may be repeated.
†May be taken for graduate level credit

**SPED 504 Applied Curriculum Development for Learners with Special Needs: PreK-8 (3 credits)**
*Prerequisite: SPED 202 or SPED 510 or matriculation in the Master's Degree Program in Special Education*
This course will cover alternative strategies, techniques and materials to promote successful learning of the learner with special needs at the PreK-8 level. Emphasis will be on the areas of reading, mathematics and language arts; other areas will be considered. Field experiences will be included.

**SPED 505 Applied Curriculum Development for Learners with Special Needs: 5-12 (3 credits)**
*Prerequisite: SPED 202 or SPED 510 or matriculation in the Master's Degree Program in Special Education*
This course will cover alternative strategies, techniques and materials to promote successful learning of the learner with special needs at the 5-12 level. Emphasis will be on the areas of reading, mathematics and language arts; other areas will be considered. Field experiences will be included.

**SPED 508 Strategies for Diversity (3 credits)**
This course will provide students with a forum for the study, discussion, and practical inclusion of multicultural principles and strategies into the curriculum. It will investigate the many levels of culture defined within the macroworld of U.S. society. Students will gain knowledge and information of effective methods, resources, and materials in order to develop and adapt techniques and strategies to implement in the contemporary multicultural classroom.

**SPED 510 Exceptional Children in the Schools (3 credits)**
This course will provide an orientation of all aspects of education pertaining to children with special needs. Emphasis will be on educational characteristics of each area of exceptionality and the role of special education in the schools. Pertinent state and federal rules and regulations will be addressed. Pre-practicum experience required.

**SPED 512 Organization and Administration of Special Education (3 credits)**
A comprehensive study of the psychological diagnosis, the personnel, the curriculum, the facilities, and the pupil services in an effective special education program. Introductory background information in special education is beneficial to succeed in this course.

**SPED 516 Applied Collaborative Strategies (3 credits)**
*Prerequisite: SPED 202 or SPED 510 or matriculation in the Master's Degree Program in Special Education*
This course will build on the knowledge of individual and different learning styles and thinking skills. Curriculum planning and instructional techniques will be discussed and developed. Strategies for maximizing consulting and collaborative team efforts will be covered through discussion, research, role playing and interviews. Field experience will be included.

**SPED 517 Language Skills for Special Needs Learners (3 credits)**
*Prerequisite: SPED 202 or SPED 510 or matriculation in the Master's Degree Program in Special Education*
This course will cover classroom approaches and strategies for the diagnosis and analysis of language and

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Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections. Note: See Catalog Web Addenda at www.bridgew.edu/catalogaddenda/ as that information supersedes the published version of this catalog.
related learning dysfunctions. Emphasis will be on the development of a total language curriculum appropriate for utilization within special education and mainstream programs.

SPED 518 Reading Strategies in Special Education (3 credits)
Prerequisite: ELED 330 or SPED 402 or equivalent
This course will cover the areas of research, diagnosis and instructional alternatives for students who need special education reading instruction. Participants will explore a variety of diagnostic tools as well as specific direct instruction models/programs utilized in Special Education. Skills in the area of explicit teaching approaches will be analyzed as they apply to the reading in the literacy/language arts class as well as to reading in content areas. A field-based experience allows students to incorporate new information into practical application.

SPED 520 Special Topics in Special Education (1-3 credits)
Prerequisite: Course prerequisites may be specified depending upon the nature of the topic
Special topics of current relevance in special education will be offered from time to time. The topic to be addressed will be announced in pre-registration publications. May be taken more than once with the consent of the adviser.

SPED 522 The Inclusion Classroom: Philosophy and Implementation (3 credits)
Prerequisite: SPED 202 or SPED 510 or matriculation in the Master's Degree Program in Special Education
This course will enable the student to identify and apply appropriate strategies, techniques and curriculum adaptations to promote success for learners with special needs in the regular classroom. Consideration will be given to the philosophical and legal considerations for inclusion/mainstreaming. Field experiences will be required.

SPED 524 Curriculum Development for Learners with Severe Disabilities I (3 credits)
Prerequisite: SPED 510 or equivalent introductory course and SPED 402 or equivalent reading course
This course will focus on current best practices in curriculum and methods for students with severe disabilities. It will focus on ecological assessment, IEP development, systematic instruction, and providing education in general education and community settings by emphasizing school curriculum, physical access to it, adaptations, and instructional strategies to prepare students with these disabilities for appropriate and meaningful participation in major life activities Spring semester

SPED 525 Curriculum Development for Learners with Severe Disabilities II (3 credits)
Prerequisite: Successful completion of SPED 524
This course provides further development of issues addressed in SPED 524. The course provides knowledge concerning advanced instructional and management strategies that can enhance the quality of life of individuals with severe disabilities. Fundamental concepts/strategies relating to social interactions, employability, constructive use of leisure time, managing behavior, communication interventions, academic curricula, and medication management are addressed. Development of a full case study, including an IEP and curriculum planning will be covered.

Pre-practicum monitored field based experiences are required. Fall semester

SPED 530 Assessment Procedures in Special Education (3 credits)
Prerequisite: SPED 202 or SPED 510 or matriculation in the Master's Degree Program in Special Education
This course will focus on the administration, analysis and interpretation of standardized and other assessment data, with consideration of cultural and linguistic applications. Emphasis will be on the developing of instructional programs from the data and the providing of information to professionals and parents. Field experiences will be included.

SPED 550 Seminar in Special Education (3 credits)
Prerequisite: Completion of 24 semester hours in the MEd in Special Education program or consent of the instructor
An advanced study of major theoretical and contemporary issues influencing special education. Emphasis will be on curriculum, methodology, educational theory and research aspects with classroom application. Each participant will undertake an extensive study of a significant issue in special education.

SPED 555 Field Experience in Special Education (3-6 credits)
Prerequisite: Completion of 24 credits in the MEd in Special Education program or consent of the adviser
A field experience that offers qualified students the opportunity to gain practical off-campus experience in special education. Placements are in public and private agencies and are designed to complement the student's study in special education; a minimum of 10 clock hours per credit is required in the field.

SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction (3 credits)
This course will provide students with information on the design of instruction for students with diverse learning needs. Procedures will be addressed which examine the relationship between the academic achievement of students and instructional design. Critical instructional design dimensions and teacher delivery include: (a) knowledge forms, (b) the generic instructional set, and (c) a principle design network. These dimensions will be applied and illustrated in the areas of language, beginning reading, mathematics, reading comprehension, expressive writing, content instruction, and management.

SPED 561 Advanced Strategies in Behavior Management (3 credits)
Prerequisite: SPED 302 or SPED 575
This course will provide advanced information relative to management strategies for the behavior and emotional problems of all learners. This course will go beyond the basics of behavior management and behavioral analysis. It will focus on interventions from all approaches including the psychodynamic, biochemical and ecological models, including commercial programs. A practical application emphasis will be highlighted.

SPED 565 Special Education and Communication Disorders (3 credits)
This course is designed primarily for teachers of learners with moderate special needs. Through problem solving
broad instruction, classroom applications of teaching/learning and assigned readings, participants will advance their understanding of mathematics from the MCAS content strands. Participants will work with MCAS mathematics tests to analyze areas of weaknesses for students and develop instructional intervention strategies to assist student learning based on this information.

SPED 575 Behavior Interventions in Special Education (3 credits)
This course will focus on the background, basic principles and techniques necessary for effective development of behavior with special needs students. Emphasis will be placed on behavioral procedures that have been found effective for individual and classroom use, including the ability to systematically observe and record student behavior. Other interventions and their applications to special education settings will also be considered. Introductory background information in special education is beneficial to succeed in this course.

SPED 582 Technology for Special Populations (3 credits)
This course will develop technology skills for teachers to include students with and without disabilities in general and special education program environments. It will focus on the use of low-tech and high-tech methodologies, basic assistive technology assessment skills, and augmentive communication. The specific impact of using technology in the classroom and community will be examined for various disability groups including learning disabilities, developmental disabilities, and physical handicaps. Emphasis will be placed on selecting the appropriate tool to match an identified need. Special education legal requirements for technology will be included.

SPED 593 Practicum: Severe Disabilities (6 or 12 credits)
Prerequisite: Acceptance and retention in the Professional Education Program and satisfactory completion of program requirements and consent of the department
This practicum involves a minimum of 150 hours to earn 6 credits or a minimum of 300 hours to earn twelve credits. Candidates will teach in the role of the licensure sought under the direction of a qualified cooperating practitioner and college supervisor. This practicum can be repeated for a total of 12 credits. Fall and spring semesters

SPED 594 Practicum: Moderate Disabilities (PreK-8) (6 or 12 credits)
Prerequisite: Acceptance and retention in the Professional Education Program and satisfactory completion of program requirements and consent of the department
This practicum involves a minimum of 150 hours to earn 6 credits or a minimum of 300 hours to earn twelve credits. Candidates will teach in the role and at the level of licensure sought (PreK-8) under the direction of a qualified cooperating practitioner and college supervisor. This practicum can be repeated for a total of 12 credits. Every semester

SPED 595 Practicum: Moderate Disabilities (5-12) (6 or 12 credits)
Prerequisite: Acceptance and retention in the Professional Education Program and satisfactory completion of program requirements and consent of the department
This practicum involves a minimum of 150 hours to earn 6 credits or a minimum of 300 hours to earn twelve credits. Candidates will teach in the role and at the level of licensure sought (5-12) under the direction of a qualified practitioner and college supervisor. This practicum can be repeated for a total of 12 credits. Every semester

Other Approved Courses:
SPED 205 Special Education in a Diverse Society
SPED 207 Technology in Special Education
SPED 400 The Culturally Different Child with Special Needs
SPED 436 Consulting Skills for Special Educators
SPED 438 Career Education for Special Needs Learners
SPED 460 Topics in Special Education
SPED 514 New Education Policies for Children with Special Needs
SPED 515 Teacher Orientation to Learning Disabilities
SPED 535 Exceptional Learner in the Classroom
SPED 540 Contemporary Issues and Mandates in Bilingual and Special Education
SPED 542 Behavior Interventions in Bilingual Special Education
SPED 544 Language Development and Bilingualism
SPED 546 Strategies and Techniques for Adapting Bilingual Resources and Materials for the Special Needs Learner
SPED 547 Multiple Roles for Bilingual Teachers of Moderate Special Needs Children
SPED 590 Teaching the Gifted Child

THEATER ARTS (THEA)

THEA 110 Theater Appreciation (3 credits)
This course introduces the student to the roles of theater artists, the special nature of live theatrical performances, the art of theater as an expression of human experience and to the richness and variety of the heritage of the theater. Theater attendance is required. This course is suitable for students from a variety of majors other than theater seeking a basic knowledge of theater. Either semester (CFPA)

THEA 115 Play Production (3 credits)
This course introduces the student to the processes involved in the creation of theater art. The student develops an understanding of the aesthetics and conventions of the theatrical event through observation and structured applied experience in the basic practices involved in planning and performing. Theater attendance is required and additional laboratory time is required. Theater arts majors must complete this course within the first 30 credits to receive degree credit. Either semester (CFPA)

THEA 120 Introduction to Acting (3 credits)
This course is an introduction to and provides practice in the various components of stage acting, through an exploration of self-awareness, vocal and physical concerns of the actor, basic acting theory, characterization, script analysis, as well as scene and monologue performances. Theater attendance is required. (Not open to students with a concentration in Theater Arts.) (CFPA)

THEA 140 Theater Performance Practicum (1 credit)
Credit is given for 60 or more hours per semester of rehearsal and performance time in a major production. Audition is required. Graded on a (P) Pass/(N) No Pass basis. This course may be repeated. Either semester
Course Descriptions

THEA/PHED 146 Dance Appreciation (3 credits)
This course is designed to explore the basic components of dance and to enable students to appreciate the art of dance as an informed audience and as participants in its rich variety. (CFPA)

THEA/PHED 155 Dance Practicum (1 credit)
In this class students will choreograph and rehearse dances for a concert performance. Concurrent enrollment in a dance class is strongly advised. Graded on a (P) Pass/No Pass basis. This course may be repeated. *Fall semester is open to all; spring semester is open by audition only*

THEA 156 Voice and Movement for Acting (3 credits)
This course integrates two important techniques to the art of acting: voice and movement for the stage. Students will learn proper vocal and movement techniques and habits, including those associated with posture, breath support, phonation, resonance, projection, physical characterization, and musical theater dance through an integrative approach. An introduction to Laban Theory will be provided as a means towards characterization, movement, and vocal choices. Meets 5 hours weekly. Offered once yearly

THEA 170 Technical Theater Practicum (1 credit)
**Prerequisite: Consent of the instructor**
Credit is given for 60 or more hours per semester of technical work on a major production. One of the required four practicum credit hours must be earned in this course. Attendance at an organizational meeting is required at the beginning of each semester. Graded on a (P) Pass/No Pass basis. This course may be repeated. Either *semester*

THEA 172 Theater Costume Practicum (1 credit)
**Prerequisite: Consent of the instructor**
Credit is given for 60 or more hours per semester of work in costume production for theater and dance. One of the required four practicum credit hours must be earned in this course. Attendance at an organizational meeting is required at the beginning of each semester. Either *semester*

THEA 185 Theater Management Practicum (1 credit)
**Prerequisite: Consent of the instructor**
Credit is given for 60 or more hours per semester of work in audience development, publicity, box office and house management activity in connection with departmental productions. One of the required four practicum credit hours must be earned in this course. Attendance at an organizational meeting is required at the beginning of each semester. Graded on a (P) Pass/No Pass basis. This course may be repeated. Either *semester*

THEA 199 First Year Seminar (3 credits)
**Prerequisite: Open to all freshmen with a writing placement score of 3 or above or a SAT score of 500 or above. Students with 24 or more transfer credits will have this requirement waived.**
First Year Seminars (FYS) are writing-intensive, topic courses that introduce students to academic thought, discourse and practices. FYS courses prepare and orient students toward productive and fulfilling college careers by actively engaging them in a specific academic area of interest. Students will improve their writing, reading, research, and basic information and technology skills while learning to work both collaboratively and independently. These courses will fulfill the First Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one FYS course may be taken for credit. (CFYS)

THEA 210 Oral Interpretation (3 credits)
Analysis and oral reading of prose, poetry and drama; individual and group forms, theory and practice. (CFY)

THEA 220 Play Analysis for Production (3 credits)
The objective of the course is to train theater artists in methods of play analysis for production, which can be applied to diverse periods and styles. The works explored range through early Greek, Elizabethan, Neoclassicism, Realism, and Post-Realism. Theater attendance is required. *Fall semester*

THEA 222 Asian Theater (3 credits)
This course introduces the student to the theater of several Asian cultures and their aesthetic foundations in myth and ritual. Included are Sanskrit, Chinese, Japanese and other Asiatic traditions. *Spring semester (CFPA; CGCL; CMCL)*

THEA 226 Children's Theater (3 credits)
Theater for the child audience: the study of styles and structures for children's theater and analysis of representative theater pieces for children. Opportunity for performing selected pieces. (CFPA)

THEA 230 Creative Dramatics (3 credits)
This course develops creative faculties through the use of dramatic play in laboratory sessions as well as classroom activity. Offered alternate years

THEA 236 The American Musical Theater (3 credits)
Major trends in the evolution of the American Musical Theater from its origin to the contemporary Broadway musical. Examination of major works of leading composers, librettists, performers, producers and choreographers. (CFPA; CWRT)

THEA 242 Acting I (3 credits)
Development of appreciation and basic skills in the fundamentals of acting. Introduction to established systems of acting and to character and script analysis. Theater attendance is required. *Spring semester*

THEA 243 Acting II (3 credits)
**Prerequisite: THEA 242 or consent of the instructor**
Advanced problems and projects, with intensive scene analysis and character analysis. Theater attendance is required. Offered alternate years

THEA 247 Performing the Musical (3 credits)
The course is a laboratory experience in the performance of musical theater. The student studies the aspects of movement, singing, and acting as they are unique to musical theatre performance. Songs, dances, and scenes will be staged, directed and critiqued.

THEA/PHED 251 Dance History (3 credits)
Examination of dance as a social and artistic force from primitive to modern times. Class will include lecture and film as well as performance of dances in historical styles.
THEA/PHED 255 Creative Dance I (3 credits)
This course investigates the theory of dance through participation, composition, lecture, discussion and film. Students learn about the elements of space, time, force, movement and style.

THEA/PHED 256 Creative Dance II (3 credits)
Prerequisite: THEA/PHED 255
The use of basic elements of dance to form a set movement composition. Exercises in choreography and experiences in setting a dance for performance. Spring semester

THEA/PHED 259 Dance Repertory (1 credit)
Students are taught a major choreographic work and rehearse it for performance. Spring semester

THEA/PHED 260 World Dance (3 credits)
An introductory overview to some of the major dance traditions of the world, with emphasis on Asia, the Pacific, Africa and the Arctic. Offered once yearly (CFPA; CGCL)

THEA 265 Stage Costuming (3 credits)
This course covers principles and techniques of costuming for the stage, including design and construction of costumes and organization of costuming for theatrical production. Meets 5 hours weekly. Offered alternate years

THEA 272 Scenography I (3 credits)
Prerequisite: THEA 220 recommended
Theory and practice of designing and planning scenery and lighting for the stage. This course addresses the development of design ideas, period and design research, skills and techniques of visual communication of design, and production planning and execution. Meets 5 hours per week. Spring semester

THEA 278 Scene Design (3 credits)
Prerequisite: THEA 272
Theory and practice of designing for stage productions.

THEA 280 Theater Management (3 credits)
This course covers the business aspects of theatrical production: publicity, programs, financing, ticket sales and house management.

THEA 298 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

THEA 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___ 199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if 298 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (CSYS)

THEA 338-339 Honors Tutorial (3 credits each semester)
Prerequisite: Consent of the department
Special topics in Theater Arts. Open to Commonwealth and Departmental Honors students. Three hourly meetings weekly. THEA 338 fall semester, THEA 339 spring semester

THEA 343 Acting for the Camera (3 credits)
Prerequisite: COMM 130 or consent of instructor
This course develops specialized techniques necessary for performance as an actor for film or television.

THEA 346 Speech and Text for the Actor (3 credits)
Prerequisite: THEA 156 and THEA 242
This course will provide comprehensive training in "Standard American Speech." Students will study textual analysis of dramatic literature with respect to vocal interpretation and a system for achieving stage dialects.

THEA 347 Laboratory Theater Production (3 credits)
Prerequisite: Junior or senior standing
Analysis and practice in selection of play scripts, acting and directing techniques in rehearsal, culminating in the performance of a production. Entrance to the course is by audition or interview. May be taken twice for credit. Fall semester

THEA 348 Acting Shakespeare (3 credits)
Prerequisite: THEA 242 and THEA 243; and either THEA 156 or COMM 210
Exploration and practice of performing Shakespeare. Theory analysis of rhythms, timber, phonetics and poetic devices for performance; scenes, monologues and written analysis. Spring semester

THEA 349 Comedy on Stage (3 credits)
Prerequisite: THEA 242 or consent of the instructor
Analysis and practice of theatrical comedy, including techniques appropriate to the interpretation and presentation of humorous dramatic scenes in the classroom. Offered alternate years

THEA/PHED 353 Creative Dance for Children (3 credits)
Prerequisite: PHED 281 or consent of the instructor
The study and experience of dance as a creative art activ-
Course Descriptions

THEA/PHED 357 Dance Production Theory (2 credits)
Prerequisite: THEA/PHED 255 and THEA/PHED 256, or consent of the instructor
This course provides the opportunity to choreograph and plan the presentation of a major dance work. Lectures and practical assignments in choreography and stagewear for dance result in a plan for a dance piece. Fall semester

THEA/PHED 358 Dance Production Techniques (1 credit)
Provides students the opportunity to set a choreographed work for dancers and rehearse for presentation. Spring semester

THEA 359 Dance Ensemble Practicum (1 credit)
Prerequisite: Open to sophomores and above and second semester transfer students. Audition required.
The Dance Ensemble is a pre-professional college company that prepares students technically to perform at various events including competitions and other dance productions. The Dance Ensemble also has a community outreach component, in which the company plans and orchestrates workshops with local schools and other institutions. Admittance to the Dance Ensemble is by audition only and is for the serious dancer and dance educator. Students who participate in the Dance Ensemble must commit to rehearsals, performances, fundraisers, outreach projects, and group events. Students must be either concurrently enrolled in THEA 155 or commit to technical support of its concert. The class carries one credit and may be repeated a total of five times.

THEA 376 Stage Lighting (3 credits)
Materials and techniques fundamental to contemporary stage lighting; analysis of the principles of design as they relate to contemporary theater production. Offered alternate years

THEA 399 Topical Studies (3 credits)
Variable contemporary topics in theater. This course may be repeated for different topics. Either semester

THEA 421 Theater History I (3 credits)
Trends in dramatic and theatrical developments throughout the western world from ancient Greece to the 17th century. Fall semester

THEA 422 Theater History II (3 credits)
Trends in dramatic and theatrical developments throughout the western world from the 17th century to the present. Spring semester

THEA 430 Playwriting (3 credits)
Appreciation of the nature of the play as an art form. Analysis of plays of various types. Practice in writing.

THEA 431 Directing I (3 credits)
Prerequisite: THEA 220, THEA 242 or consent of the instructor
Basic knowledge and techniques for the beginning director. Play analysis, composition, movement, characterization and rehearsal. Spring semester

THEA 432 Directing II (3 credits)
Prerequisite: THEA 220, THEA 242, THEA 431 or consent of instructor
This course considers the principles of direction and various theories of direction with practical experience in directing scenes for the stage.

THEA 442 Acting Styles (3 credits)
Prerequisite: THEA 156, THEA 242, THEA 243
Analysis and practice of styles of acting and staging methods of selected historical periods and modern movements considered classics in the development of theater, including the Greek, Elizabethan, Restoration, Georgian, and neoclassic periods and schools, and the works of such as Ionesco, Brecht, Beckett, and Moliere. Improvisations, scenes, monologues. Theater attendance is required.

THEA 452 Ballet Pedagogy (3 credits)
Prerequisite: Minimum of intermediate level ballet training
The course is based on fundamental ballet technique — the foundation of all dance training. It is intended to prepare the prospective dance teacher with the skills with which to provide safe and accurate dance training.

THEA 453 Dance Methodology (3 credits)
Prospective teachers of dance will learn the various methods of teaching modern dance, jazz, and tap dance as well as social, folk and square dance and improvisation and composition. Emphasis will be on safe and correct techniques of teaching dance. Practical experiences in teaching will accompany lectures and discussion.

THEA 455 Audition Techniques (3 credits)
Prerequisite: THEA 156, THEA 242, and THEA 243
This course explores and practices audition theory and techniques. Audition pieces of various styles and periods are developed and critiqued. Different formats for auditions are utilized.

THEA 495 Seminar in Contemporary Theater (2 credits)
Prerequisite: Senior standing, theater concentration
This is a required capstone course for students graduating with a concentration in theater. The course deals with issues in contemporary theater and practical matters surrounding careers in theater. Recital, portfolio, or thesis is required. Theater attendance is required. Fall semester

THEA 497 Advanced Individual Projects
(1-3 credits)
Prerequisite: Junior standing; consent of faculty supervisor; additional course prerequisites depend on project
The student contracts with faculty to explore learning activities of a creative nature beyond the scope of regular course offerings.

THEA 498 Internship in Theater (3-15 credits)
Prerequisite: Consent of the department; formal application required
A non-classroom experience designed for a limited number of junior and senior majors to supplement their academic preparation. Graded on a (P) Pass/(N) No Pass basis. Either semester

1May be taken for graduate level credit

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
THEA 499 Directed Study in Theater (1-3 credits)
Prerequisite: Consent of the department; formal application required
Open to juniors and seniors who have demonstrated critical and analytical abilities in their studies and who wish to pursue a project independently. May be taken twice for a maximum of six credits. Either semester

Other Approved Courses:
THEA 160 Stage Make-up
THEA 175 Design Techniques for the Stage
THEA 211 Voice Production for Theater
THEA 241 Improvisational Acting
THEA 282 Community Theater
THEA 356 Advanced Movement for the Actor
THEA 372 Scenography II
THEA 485 Honors Thesis
THEA 496 Seminar in Theater, Dance and Speech
THEA 502 Research
THEA 503 Directed Study

WMST/INTD 240 Critical Perspectives in Women's Studies (3 credits)
This course introduces students to the historical background and theoretical frameworks of women's studies. Central to the course is an analysis of the range of feminist scholarship, and the intersections of gender, race, class and sexuality. Students will examine contemporary issues in women's studies and the implications of feminist thought for society and the individual. Spring semester (CHUM; CMCL; CVRT)

WMST 289 Second Year Seminar (Speaking Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101, and the speaking skills requirement. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are speaking-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their speaking, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

WMST 299 Second Year Seminar (Writing Intensive) (3 credits)
Prerequisite: ___199; Open to all sophomores and juniors who have completed ENGL 101 and ENGL 102. Students with 54 or more transfer credits will have this requirement waived. Cannot be taken if ___299 is taken for credit.
Second Year Seminars (SYS) are writing-intensive, topic courses that build on the academic skills and habits introduced in the First Year Seminar. SYS courses engage students in a specific academic area of interest and provide them with the opportunity to reinforce, share and interpret knowledge. Students will improve their writing, reading, research, and basic information and technology skills while building the connections between scholarship and action that are required for lifelong learning. These courses will fulfill the Second Year Seminar requirement and may fulfill other requirements for the Core Curriculum. Each course may fulfill different requirements and topics may change each semester. Only one SYS course may be taken for credit. (SYS)

WMST/SCWK 304 The Psychosocial Development of Women (3 credits)
This course will provide an introduction to “women's reality” in terms of current research on women's values and needs. The course will cover such topics as power and conflict, sexuality and intimacy, creativity, ethnicity and the effects of oppression as well as the emotional problems which appear to affect women, e.g. depression, eating disorders, etc.

WMST/PHED 365 Women in Sports (3 credits)
Prerequisite: 3 Core Curriculum Requirement credits in behavioral science
This course investigates the sport-women relationship from a physiological, historical and socio-cultural perspective. In doing so, it examines images, attitudes and structures that affect the involvement of women in sport and exercise and restrict/enhance their personal and professional potential.

Other Approved Courses:
WMST/INTD 230 Introduction to Women's Studies
WMST/INTD 330 Issues and Perspectives In Women's Studies
WMST/INTD 430 Seminar: Research Theory and Methods in Women's Studies

Note: This section is arranged in course number order. See pages 234-235 (course prefix key) for assistance in locating department sections.
Note: See Catalog Web Addenda at www.bridgew.edu/catalogiaddenda/ as that information supersedes the published version of this catalog.
Mr. Louis M. Ricciardi, Chairman
Mr. Matthew P. Keswick, Vice Chairman
Ms. Terry Hart Cogan, Secretary
Mr. Dane Bedward
Mr. Peter R. Chase
Ms. Elissa Flynn-Poppey, Esquire
Ms. Kelly Carney Kelly
Mr. Richard G. Lucier
Ms. Jennifer Nassour, Esquire
Dr. Susan Szachowicz
Ms. Kaitlyn Greeley, Student Trustee

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Officers of the College

Dana Mohler-Faria  
President  
BA, MA (Boston University); EdD (University of Massachusetts Amherst)

William Davis  
Vice President, Information Technology and Chief Information Officer  
BS (University of Iowa); MA (Temple University)

Nancy Kieniewski  
Provost and Vice President for Academic Affairs  
AB (Emmanuel College); MA, PhD (Temple University)

Edward Minnock  
Vice President, External Affairs  
BS (University of Tampa); MS (Emporia State University); PhD (Kansas State University)

D. David Ostroth  
Vice President, Student Affairs  
BA (Allegheny College); MC (Arizona State University); PhD (Michigan State University)

Molly Fannon Williams  
Vice President, Institutional Advancement and Executive Director of the Foundation  
BA (Mills College); MA (The American University in Washington); MEd (University of Massachusetts Boston)

Anna Bradfield  
Dean, School of Education and Allied Studies  
BSE (Stephen F. Austin State University); MEd (Peabody College of Vanderbilt University); EdD (Vanderbilt University)

Howard London  
Dean, School of Arts and Sciences  
BA (Bowdoin College); MA, PhD (Boston College)

Catherine Morgan  
Dean, School of Business  
BS (Jacksonville State University); PhD (University of South Carolina)

William Smith  
Dean, School of Graduate Studies  
BS, MA (Appalachian State University); PhD (Duquesne University)
Administrative and Other College Offices

**ACADEMIC ACHIEVEMENT CENTER/ACADEMIC ADVISING**
Maxwell Library, Ground Floor
508.531.1214
(TDD) 508.531.6113

**ACADEMIC AFFAIRS**
Boyden Hall, Room 104
508.531.1295

**ADMINISTRATION**
Boyden Hall, Room 100
508.531.1207

**ADMINISTRATIVE SYSTEMS (INFORMATION TECHNOLOGY)**
Boyden Hall, Room 005
508.531.1236

**ADMISSIONS (UNDERGRADUATE)**
Gates House
508.531.1237
(TDD) 508.531.1357

**ADMISSIONS (GRADUATE)**
Maxwell Library, Room L19
508.531.1300

**AFFIRMATIVE ACTION/MINORITY AFFAIRS AND EQUAL OPPORTUNITY**
Boyden Hall, Room 212
508.531.1241

**ALUMNI RELATIONS**
Davis Alumni Center
508.531.1287

**ARTS AND SCIENCES, SCHOOL OF**
Maxwell Library, Room 101
508.531.1218

**ATHLETICS**
Adrian Tinsley Center, Room 200A
508.531.1352

**BOARD OF TRUSTEES**
Boyden Hall, Room 217
508.531.1701

**BOOKSTORE**
East Campus Commons
508.531.6198

**BURNELL CAMPUS SCHOOL**
Burnell School, Room 119
508.531.1315

**BUSINESS, SCHOOL OF**
Harrington Hall, Room 104
508.531.6151

**CAMPUS CENTER**
Campus Center, Room 111
508.531.1275

**CAMPUS JUDICIAL PROGRAMS**
Boyden Hall, Room 106
508.531.1276
(TDD) 508.531.1384

**CAMPUS POLICE**
Great Hill Drive
Emergency 911
Non-emergency 508.531.1212
(TDD) 508.531.6111

**CAREER SERVICES**
Rondileau Campus Center, Room 008
508.531.1328

**CENTER FOR MULTICULTURAL AND INTERNATIONAL AFFAIRS**
Rondileau Campus Center, Room 101
508.531.6166

**CHILDREN'S CENTER (DAYCARE)**
Burnell Campus School, Room 135
508.531.1244

**COLLEGE AND COMMUNITY PARTNERSHIPS**
Moakley Center, Room 211
508.531.1794

**COLLEGE INFORMATION SYSTEMS**
Boyden Hall, Room 005
508.531.1236

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Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
## Administrative and Other College Offices

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<th>Service</th>
<th>Location</th>
<th>Phone Numbers</th>
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<tr>
<td><strong>Conference and Events Services</strong></td>
<td>Campus Center, Room 108</td>
<td>508.531.6139</td>
</tr>
<tr>
<td><strong>Continuing and Distance Education</strong></td>
<td>Moakley Center, Room 211</td>
<td>508.531.2788</td>
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<td><strong>Copy Center</strong></td>
<td>Tillinghast Hall, Room 030</td>
<td>508.531.2165</td>
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<td>Tillinghast Hall, Room 013</td>
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<td>(TDD) 508.531.6116</td>
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<td><strong>Development and Institutional Advancement</strong></td>
<td>Davis Alumni Center</td>
<td>508.531.1290</td>
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<td><strong>Disability Resources</strong></td>
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<td>508.531.1713</td>
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<td>(TDD) 508.531.6113</td>
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<td><strong>Education and Allied Studies, School of</strong></td>
<td>Hart Hall, Room 124</td>
<td>508.531.1347</td>
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<td><strong>External Affairs</strong></td>
<td>Boyden Hall, Room 210</td>
<td>508.531.6189</td>
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<td>Operations Center</td>
<td>508.531.1296</td>
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<td><strong>Facilities Management and Planning</strong></td>
<td>Boyden Hall, 2nd Floor</td>
<td>508.531.2750</td>
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<td><strong>Financial Aid</strong></td>
<td>Tillinghast Hall, Room 100B</td>
<td>508.531.1341</td>
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<td><strong>Fiscal Affairs</strong></td>
<td>Boyden Hall, Room 109</td>
<td>508.531.1217</td>
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<td><strong>Food Service</strong></td>
<td>Tillinghast Hall, Room 103</td>
<td>508.531.2164</td>
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<td><strong>Graduate Studies, School of</strong></td>
<td>Maxwell Library, Room L19</td>
<td>508.531.1300</td>
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<td><strong>Grants and Sponsored Projects</strong></td>
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<td>508.531.1242</td>
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<td>Tillinghast Hall, Room 001</td>
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<td>(TDD) 508.531.6116</td>
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<td><strong>Honors Center</strong></td>
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<td>508.531.1324</td>
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<td><strong>Information Technology</strong></td>
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<td>508.531.1236</td>
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<td><strong>Information Technology Support Services</strong></td>
<td>Maxwell Library, L011</td>
<td>508.531.2020</td>
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<td><strong>Institute for Regional Development</strong></td>
<td>Moakley Center, Room 211</td>
<td>508.531.2419</td>
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<td><strong>Institutional Communications</strong></td>
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<td>508.531.1335</td>
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<td><strong>Institutional Diversity</strong></td>
<td>Boyden Hall, Room 212</td>
<td>508.531.1429</td>
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<tr>
<td><strong>Institutional Research and Assessment</strong></td>
<td>Boyden Hall, Room 206</td>
<td>508.531.1704</td>
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</table>
# Administrative and Other College Offices

## International Programs
Maxwell Library, Room 100  
508.531.6183

## Library Services
Maxwell Library, Room 300  
508.531.1256

## Mail Services
Tillinghast Hall, Room 022  
508.531.1770

## Off Campus Programs
Maxwell Library, Room 021  
508.531.6010

## Orientation
Rondileau Campus Center, Room 109  
508.531.1273  
(TDD) 508.531.6112

## Parking Services and Connect Card
Hunt Hall, Room 10  
508.531.2897

## President's Office
Boyden Hall, Room 200  
508.531.1201

## Professional Education
Hart Hall, Room 124  
508.531.1347  
Licensure 508.531.1228  
Field Experience 508.531.1227

## Regional Outreach
Moakley Center  
508.531.1460

## Registrar's Office
Boyden Hall, Room 003  
508.531.1231

## Residence Life and Housing
DiNardo Hall, Room 100  
508.531.1277  
(TDD) 508.531.6118

## Student Accounts
Boyden Hall, Room 107  
508.531.1225

## Student Affairs
Boyden Hall, Room 106  
508.531.1276  
(TDD) 508.531.1384

## Student Employment
Boyden Hall, Room 101  
508.531.1232

## Student Involvement and Leadership
Rondileau Campus Center, Room 109  
508.531.1273

## Technology, System and Networking
Boyden Hall, Room 009  
508.531.1004

## Testing Services
Maxwell Library, Ground Floor  
508.531.1780

## Transportation
Operations Center  
508.531.1383

## Veterans Affairs
Tillinghast Hall, Room 100  
508.531.1341

## Web Services
Boyden Hall  
508.531.2950

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Faculty

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NOTE: All faculty listed are full-time faculty 2007-2008
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Zon-I Chang
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* Member of Graduate Faculty

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Robert Colandreo  
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BS (Bridgewater State College); MAS (Embry-Riddle Aeronautical University) ATP, CF II

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BS (University of Nebraska); MBA (University of Hartford); PhD (University of Kansas)

Michelle Cox  
Assistant Professor of English  
BA, MA (University of New Hampshire)

Leigh Craven  
Assistant Professor of Art  
BFA (Cornell University); MFA (Rhode Island School of Design)

James Crowley  
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AB (College of the Holy Cross); MA, PhD (University of Delaware)

Mark D. Crowley  
Assistant Professor of Accounting and Finance  
BA (Bates College); MBA, MS (Northeastern University)

David Mallory Culver*  
Professor of History  
AB (Colgate University); MA, PhD (Boston University)

Thomas Michael Curley*  
Professor of English  
AB (Boston College); MA, PhD (Harvard University)

Kevin D. Curry*  
Professor of Biological Sciences and Chairperson of the Department of Biological Sciences  
BA (Central College); MS (University of Arizona); PhD (Purdue University)

Kimberly Davis  
Assistant Professor of English  
AB (Harvard University); MA, PhD (University of Virginia)

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Assistant Professor of Criminal Justice  
BA (Clark University); MA (Columbia College); JD (IIT Chicago-Kent College of Law); PhD (City University of New York Graduate Center)

Fang Deng  
Associate Professor of Sociology  
BA (Capital University of Economics and Business, Beijing); MA (Peking University); PhD (University of Chicago)

Dion Dennis  
Assistant Professor of Criminal Justice and Acting Chairperson of the Department of Criminal Justice  
BA (Northeastern Illinois University); MS, PhD (Arizona State University)

Edward F. Deveney  
Associate Professor of Physics  
BS, PhD (The University of Connecticut)

William Devlin  
Instructor of Philosophy  
BA (Boston University); MA (University of Wyoming)

Arthur L. Dirks*  
Professor of Theater Arts  
BA (Fort Hays State College); MA (University of Kansas); MFA (Illinois State University); EdD (University of Massachusetts at Boston)

Kenneth Dobush  
Associate Professor of Education  
BFA (Fordham University); MS (College of Saint Rose); PhD (University of Albany)

Vernon Domingo*  
Professor of Geography  
BA (University of the Western Cape, S.A.); MA, PhD (Clark University)

Carleton M. Donchess*  
Professor of Accounting and Finance  
BS (Stonehill College); MBA (Babson College); MSA (Bentley College); CMA

Mary Dondero*  
Assistant Professor of Art  
BFA (Roger Williams University); MAT (Rhode Island School of Design); MFA (University of Massachusetts at Dartmouth)

Shannon Donovan*  
Associate Professor of Finance and Accounting  
BA, MSF (Boston College); DBA (Nova Southeastern University)

* Member of Graduate Faculty
## Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Education</th>
</tr>
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<tbody>
<tr>
<td><strong>Emily Douglas</strong></td>
<td>Assistant Professor of Social Work</td>
<td>BA (Clark University); MS, PhD (University of Massachusetts at Boston)</td>
</tr>
<tr>
<td><strong>Anne E. Doyle</strong></td>
<td>Assistant Professor of English</td>
<td>BA (Emmanuel College); MA (Boston College); PhD (University of Illinois at Chicago)</td>
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<tr>
<td><strong>Roger T. Dunn</strong></td>
<td>Professor of Art</td>
<td>BA, BFA (Pennsylvania State University); MFA (Pratt Institute); PhD (Northwestern University)</td>
</tr>
<tr>
<td><strong>Jason Edwards</strong></td>
<td>Assistant Professor of Communication Studies</td>
<td>BA (Concordia College); MA (North Dakota State University); MA (Minnesota State University); PhD (Georgia State University)</td>
</tr>
<tr>
<td><strong>Mahmoud El-Hashash</strong></td>
<td>Associate Professor of Mathematics</td>
<td>BSc, MSc (Alexandria University, Egypt); PhD (Northeastern University)</td>
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<tr>
<td><strong>Patricia Emmons</strong></td>
<td>Assistant Professor of Education</td>
<td>BS, EdD (Central Connecticut State University); MAT (Connecticut College)</td>
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<tr>
<td><strong>Elizabeth Englander</strong></td>
<td>Professor of Psychology</td>
<td>BA (University of California at Berkeley); MA, PhD (University of Southern California)</td>
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<tr>
<td><strong>Richard L.C. Enright</strong></td>
<td>Professor of Geology</td>
<td>BA, MS, PhD (Rutgers University)</td>
</tr>
<tr>
<td><strong>Kathryn Evans</strong></td>
<td>Assistant Professor of English</td>
<td>BA (University of Chicago); MA, PhD (University of Illinois at Urbana-Champaign)</td>
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<tr>
<td><strong>Benedita Eyemaro</strong></td>
<td>Assistant Professor of Education</td>
<td>BSc, MSc (University of Benin); EdD (University of Massachusetts at Lowell)</td>
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<tr>
<td><strong>Sandra Faiman-Silva</strong></td>
<td>Professor of Anthropology</td>
<td>BA (University of Massachusetts at Amherst); MA (University of Minnesota); PhD (Boston University)</td>
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<tr>
<td><strong>Paul James Fairbanks</strong></td>
<td>Professor of Mathematics and Computer Science</td>
<td>BA (Bridgewater State College); MS (Southern Illinois University); DA (University of Northern Colorado)</td>
</tr>
<tr>
<td><strong>Patricia Fanning</strong></td>
<td>Associate Professor of Sociology and Chairperson of the Department of Sociology</td>
<td>BA (Wheaton College); MA, PhD (Boston College)</td>
</tr>
</tbody>
</table>

### Notes:
- **Michael F. Farley**
  - Associate Professor of Aviation Science and Chairperson of the Department of Aviation Science
  - BA (Bridgewater State College); MPA (San Diego State University)

- **Ruth D. Farrar**
  - Professor of Education
  - BA (Eastern Nazarene College); MS, EdD (Hofstra University)

- **Karen Fein**
  - Assistant Professor of Social Work
  - BA (William Woods College); MSW (University of Michigan); PhD (State University of New York at Albany)

- **Mercer Fellouris**
  - Professor of Management
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<th>Title/Department</th>
<th>Institution</th>
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<tr>
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<tr>
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Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
Index

A

Academic Advising ........................................ 13
Academic Achievement Center ....................... 13
Academic Calendars ....................................... 14
Academic Dismissal (Graduate) ......................... 57
Academic Experience ...................................... 13
Academic Integrity
Undergraduate ............................................. 47
Graduate .................................................. 56
Academic Policies
Undergraduate ............................................. 47
Graduate .................................................. 56
Academic Probation
Undergraduate ............................................. 48
Graduate .................................................. 57
Academic Programs
Undergraduate ............................................. 10, 35, 71, 176
Graduate .................................................. 11, 62, 177
Academic Progress ........................................ 32, 49, 57
Academic Separation
Undergraduate ............................................. 48
Graduate .................................................. 57
Academic Standards
Undergraduate ............................................. 48
Graduate .................................................. 57
Academic Year ............................................. 4
Accelerated Postbaccalaureate Programs (APB) ....... 64, 209
Accounting .................................................. 155
Accounting and Finance,
Department of ........................................... 155
Accreditation .............................................. Inside back cover
Actuarial Science Minor ................................. 119, 156, 223
Administrative and Other College Offices .......... 421
Admissions
Undergraduate ............................................. 20
Graduate .................................................. 64
Admission Decisions
Undergraduate ............................................. 22
Graduate .................................................. 64
Adrian Tinsley Program .................................. 16
Advanced Placement Program ......................... 24
Advanced Standing ....................................... 24
Affirmative Action Policy ................................ 6
Alumni Scholarships ..................................... 34
American Politics ........................................ 132
American Studies Minor ................................ 223
Anthropology, Department of ......................... 73
APB (Postbaccalaureate Program) ..................... 64, 209
Appeals (Graduate) ...................................... 57
Application/Fees, Undergraduate Program .......... 26
Application, Graduate Program ...................... 59, 65
Arabic ..................................................... 338
Archaeology .............................................. 74
Air Force ROTC .......................................... 34
Art, Department of ...................................... 76
Arts and Sciences, School of ........................... 70
Asian Studies Minor ..................................... 223
Assistantships, Graduate ............................... 33, 59
Athletic/Recreational Activities ....................... 18
Athletic Training .......................................... 192, 203
Attendance Policy ........................................ 52
Audit ...................................................... 51, 52
Aviation Management .................................... 160
Aviation Science .......................................... 159
Aviation Science, Department of ..................... 159

B

Bachelor’s Degree ........................................... 35, 71
Billing and Fee Payment .................................... 26
Biotechnology minor ..................................... 84
Biochemistry Minor ....................................... 89
Biological Sciences, Department of ................... 80
Blackboard .................................................. 15
Board of Trustees ......................................... 419
Bridge, The ............................................... 17
Business, School of ...................................... 153

C

Calendar ..................................................... 4
Campus Life ................................................ 18
Canadian Studies Minor ................................ 224
Cape Verdean Creole ..................................... 339
CAPS (College Academic Program Sharing) ........ 18
Certificate of Advanced Graduate Study (CAGS) ..... 63, 65
CAGS in Education ........................................ 174
Certificate Programs (Graduate) ......................... 64
Change of Address (Graduate) ......................... 57
Change of Concentration ................................ 52
Change of Grade
Undergraduate ............................................. 51
Graduate .................................................. 57
Change of Major (Undergraduate) ....................... 52
Change of Minor ........................................... 52
Change of Name (Graduate) ............................. 57
Change in Program (Graduate) ......................... 67
Chemical Sciences, Department of ..................... 87
Chemistry/Geology ....................................... 89, 99, 224
Children’s Center ........................................ 19
Children’s Physical Developmental Clinic .......... 17
Chinese ..................................................... 339
Civic Education/Community Leadership Minor .... 225
Classification Designation ............................. 52
Classroom Conduct Policy ............................. 47
CLEP (College Level Examination Program) ........ 47
Commencement Ceremony ............................. 49
Commonwealth Honors .................................. 16, 44
Commonwealth Transfer Compact .................... 22
Communication Lab ....................................... 14
Communication Disorders ............................. 217
Communication Studies, Department of ............. 90
Community Service ....................................... 17
Compliance Policies, College ......................... 6
Comprehensive Examination .......................... 58
Computer Science ........................................ 119
Computer Notebook Program ......................... 15
Concentration ............................................ 36
Conduct .................................................... 47
Confidentiality of Student Records .................... 6
Consortia (see Cross-Registration) ...................... 2
Contents, Table of ....................................... 2
Continuation or Disruption of Course Registration ... 58
Continuing Education .................................... 14
Core Curriculum Requirements ....................... 37
Core Curriculum Course Notations .................... 233, 234
Counselor Education, Department of ................. 175
Course Audit .............................................. 52, 53
Course Charges
Daytime ................................................... 28, 29
Evening ................................................... 28, 29
In-state .................................................... 28, 29
Out of State ............................................. 28, 29
Course Drop/Add .......................................... 53, 58
Course Descriptions ..................................... 233, 236
Course Loads
Undergraduate ............................................. 53
Graduate .................................................. 58
Course Numbering System ............................. 233
Course Numbering, Former ............................ 233
Course Subject Code Key ................................ 235
Course Withdrawal ....................................... 55, 62
Credit by Examination ................................... 24, 53
Credit, Transfer of
Undergraduate ............................................. 21, 54, 165
Graduate .................................................. 21, 61
Credit, Undergraduate and Graduate .................... 59
Criminal Justice, Department of ....................... 92
Cross-Listed Courses .................................... 233
Cross-Registration Programs ........................... 18
Cultural Organizations ................................... 18
Cumulative Average (see GPA) ..........................
<table>
<thead>
<tr>
<th>D</th>
<th>Dance Minor ........................................ 199, 226</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Dean's List ........................................ 51</td>
</tr>
<tr>
<td>D</td>
<td>Decision/Notification Dates .......................... 23, 67</td>
</tr>
<tr>
<td>D</td>
<td>Declaration of Concentration ......................... 52</td>
</tr>
<tr>
<td>D</td>
<td>Declaration of Major ................................ 52</td>
</tr>
<tr>
<td>D</td>
<td>Declaration of Minor ................................ 52</td>
</tr>
<tr>
<td>D</td>
<td>Degree Application ................................. Undergraduate ........................................ 49</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Bachelor of Arts .................................. 49</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Bachelor of Science .......................... 49</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Bachelor of Science in Education .......... 49</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Arts .................................. 68</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Arts in Teaching .................. 68</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Education .......................... 68</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Public Administration .............. 68</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Science .............................. 68</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Science in Management .......... 68</td>
</tr>
<tr>
<td>D</td>
<td>Degree Requirements .................................. Master of Social Work ......................... 69</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Departmental Honors ........................................ 16, 45</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Departmental Resources ................................. 14</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Dining Charges ............................................ 27</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Directed Study ................................. Undergraduate ........................................ 43</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Graduate (see Independent Study) ................. 43</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Directory, Administrative and Other Offices .......... 421</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Disability Resources ................................. 15</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Dismissal, Academic Undergraduate .............. 48</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Dismissal Graduate .................................... 57</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Dismissal Policies ...................................... 48, 57</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Distance Education ...................................... 14</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Doctor of Education ................................. 63, 72, 174</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Double Major ............................................ 35</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Drop/Add Courses ...................................... 53, 58</td>
</tr>
<tr>
<td>D</td>
<td>CAGS ...... ............................. Drug Free Schools and Communities Act Amendments of 1989 ........................................ 7</td>
</tr>
<tr>
<td>E</td>
<td>Early Action Program .................................. 22</td>
</tr>
<tr>
<td>E</td>
<td>Early Childhood Education ......................... 185</td>
</tr>
<tr>
<td>E</td>
<td>Early Education and CARE (PreK-2) .................. 185</td>
</tr>
<tr>
<td>E</td>
<td>Earth Sciences, Department of ...................... 96</td>
</tr>
<tr>
<td>E</td>
<td>Economics, Department of ......................... 162</td>
</tr>
<tr>
<td>E</td>
<td>Education and Allied Studies ......................... School of ........................................ 168</td>
</tr>
<tr>
<td>E</td>
<td>Educational Leadership .............................. 210</td>
</tr>
<tr>
<td>E</td>
<td>Educational Personnel ................................ Programs for ........................................ 63, 170</td>
</tr>
<tr>
<td>Educator Licensure Programs .......................... 63, 177</td>
<td></td>
</tr>
<tr>
<td>Educator Licensure Tests Pass Rates ................... 8</td>
<td></td>
</tr>
<tr>
<td>Elementary and Early Childhood ...................... Education, Department of .................. 183</td>
<td></td>
</tr>
<tr>
<td>Employment Opportunities ................................ 33</td>
<td></td>
</tr>
<tr>
<td>Energy and Environmental Resources Management .......... 163</td>
<td></td>
</tr>
<tr>
<td>Engineering (see Pre-Engineering) .................... 319</td>
<td></td>
</tr>
<tr>
<td>English as Second Language ........................... 100</td>
<td></td>
</tr>
<tr>
<td>Enrichment Program .................................... 14</td>
<td></td>
</tr>
<tr>
<td>Enrollment Policies .................................... 52</td>
<td></td>
</tr>
<tr>
<td>Ethnic Studies Minor .................................. 227</td>
<td></td>
</tr>
<tr>
<td>Events/Special Programs ................................ 18</td>
<td></td>
</tr>
<tr>
<td>Environmental Biology Minor ........................... 84</td>
<td></td>
</tr>
<tr>
<td>Environmental Geosciences ................................ 98</td>
<td></td>
</tr>
<tr>
<td>Evening Course Charges ..................................... 26</td>
<td></td>
</tr>
<tr>
<td>Exchange/International Programs ...................... 17</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Faculty .................................................................. 13, 424</td>
</tr>
<tr>
<td>F</td>
<td>Family Educational Rights and Privacy Act of 1974 (FERPA) ................. 6</td>
</tr>
<tr>
<td>F</td>
<td>Fees ....................................................................... 28, 29</td>
</tr>
<tr>
<td>F</td>
<td>Field Experience .............................................. 43</td>
</tr>
<tr>
<td>F</td>
<td>Finance .................................................................. 156</td>
</tr>
<tr>
<td>F</td>
<td>Financial Aid ..................................................... 32</td>
</tr>
<tr>
<td>F</td>
<td>Flight Training .................................................... 159</td>
</tr>
<tr>
<td>F</td>
<td>Foreign Languages, Department of .................. 105</td>
</tr>
<tr>
<td>F</td>
<td>Forensic Psychology Minor ............................. 227</td>
</tr>
<tr>
<td>F</td>
<td>Former Course Number Notation ..................... 233</td>
</tr>
<tr>
<td>F</td>
<td>French .................................................................... 339</td>
</tr>
<tr>
<td>F</td>
<td>Freshman Admission .......................................... 20</td>
</tr>
<tr>
<td>F</td>
<td>Freshman Admission Review ............................. 21</td>
</tr>
<tr>
<td>F</td>
<td>Grade Point Average ......................................... GPA .................................................. 51</td>
</tr>
<tr>
<td>F</td>
<td>Grading System ................................................ Undergraduate ........................................ 50</td>
</tr>
<tr>
<td>F</td>
<td>Grading System ................................................ Graduate ........................................... 59</td>
</tr>
<tr>
<td>F</td>
<td>Graduate Admissions ........................................ 64</td>
</tr>
<tr>
<td>F</td>
<td>Graduate Advisers and Program Planning (GRPP 501) .................. 67</td>
</tr>
<tr>
<td>F</td>
<td>Graduate Assistantships ..................................... 33, 59</td>
</tr>
<tr>
<td>F</td>
<td>Graduate Policies and Procedures ...................... 56</td>
</tr>
<tr>
<td>F</td>
<td>Graduate Programs ............................................. 11, 73, 169</td>
</tr>
<tr>
<td>F</td>
<td>Graduate Program Planning .............................. 67</td>
</tr>
<tr>
<td>G</td>
<td>General Management ........................................ Concentration ........................................ 163</td>
</tr>
<tr>
<td>G</td>
<td>Geography, Department of .............................. 108</td>
</tr>
<tr>
<td>G</td>
<td>Geology .............................................................. 98</td>
</tr>
<tr>
<td>G</td>
<td>Geophysics Minor ............................................. 39</td>
</tr>
<tr>
<td>G</td>
<td>German .............................................................. 340</td>
</tr>
<tr>
<td>G</td>
<td>Global Management .......................................... Concentration ........................................ 164</td>
</tr>
<tr>
<td>H</td>
<td>Haughey Academic Advising Program .................. 13</td>
</tr>
<tr>
<td>H</td>
<td>Hazarding .......................................................... 6</td>
</tr>
<tr>
<td>H</td>
<td>Health Education ............................................. 198</td>
</tr>
<tr>
<td>H</td>
<td>Health Promotion Minor .................................. 200</td>
</tr>
<tr>
<td>H</td>
<td>Health Resources Management Minor .................. 200, 228</td>
</tr>
<tr>
<td>H</td>
<td>High School Record .......................................... 20</td>
</tr>
<tr>
<td>H</td>
<td>History, Department of .................................... 111</td>
</tr>
<tr>
<td>H</td>
<td>History of the College ....................................... 5</td>
</tr>
<tr>
<td>H</td>
<td>Honor Societies .................................................. 45</td>
</tr>
<tr>
<td>H</td>
<td>Honors Center ..................................................... 45</td>
</tr>
<tr>
<td>H</td>
<td>Honors, Graduation ............................................ 50</td>
</tr>
<tr>
<td>H</td>
<td>Honors Program .................................................. 16, 44</td>
</tr>
<tr>
<td>I</td>
<td>Immunization Requirements (Graduate) .............. 60</td>
</tr>
<tr>
<td>I</td>
<td>Inappropriate Behavior ...................................... 7</td>
</tr>
<tr>
<td>I</td>
<td>Incompletes ......................................................... Undergraduate ........................................ 51</td>
</tr>
<tr>
<td>I</td>
<td>Incompletes ......................................................... Graduate ........................................... 60</td>
</tr>
<tr>
<td>I</td>
<td>Independent Study ............................................ Undergraduate ........................................ 43</td>
</tr>
<tr>
<td>I</td>
<td>Independent Study ............................................ Graduate ........................................... 60</td>
</tr>
<tr>
<td>I</td>
<td>InfoBear .............................................................. 15</td>
</tr>
<tr>
<td>I</td>
<td>Information Systems Management ..................... 164</td>
</tr>
<tr>
<td>I</td>
<td>Instructional Technology ................................... Graduate Program .................................. 214</td>
</tr>
<tr>
<td>I</td>
<td>Insurance ............................................................. 27</td>
</tr>
<tr>
<td>I</td>
<td>Intercollegiate Athletics Eligibility .................... 53</td>
</tr>
<tr>
<td>I</td>
<td>Interdisciplinary Programs .............................. 46, 232</td>
</tr>
<tr>
<td>I</td>
<td>International Admission ..................................... 23, 67</td>
</tr>
<tr>
<td>I</td>
<td>International Affairs ........................................... 132</td>
</tr>
<tr>
<td>I</td>
<td>International Programs ..................................... 17</td>
</tr>
<tr>
<td>I</td>
<td>International Students ...................................... 17, 23, 67</td>
</tr>
<tr>
<td>I</td>
<td>International Study Tours ................................... 17</td>
</tr>
<tr>
<td>I</td>
<td>Internships ........................................................ 17, 43</td>
</tr>
<tr>
<td>I</td>
<td>Introductory College Skills Courses .................... 14</td>
</tr>
</tbody>
</table>

Note: See Catalog Web Addenda at www.bridgew.edu/catalog/addenda/ as that information supersedes the published version of this catalog.
<table>
<thead>
<tr>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transportation Concentration</td>
</tr>
<tr>
<td>Trustees, Board of</td>
</tr>
<tr>
<td>Tuition and Fees</td>
</tr>
<tr>
<td>Tuition and Fees Summary</td>
</tr>
<tr>
<td>Tuition Management Plan</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>U</td>
</tr>
<tr>
<td>Undergraduate Academic Experience</td>
</tr>
<tr>
<td>Undergraduate Academic Policies</td>
</tr>
<tr>
<td>Undergraduate Programs</td>
</tr>
<tr>
<td>Urban Affairs Minor</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>V</td>
</tr>
<tr>
<td>Veteran's Affairs</td>
</tr>
<tr>
<td>Voter Registration Act</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>W</td>
</tr>
<tr>
<td>Warning Notices</td>
</tr>
<tr>
<td>Wireless Network</td>
</tr>
<tr>
<td>Web Addenda</td>
</tr>
<tr>
<td>Web-Based Courses</td>
</tr>
<tr>
<td>Withdrawal from the College</td>
</tr>
<tr>
<td>Undergraduate</td>
</tr>
<tr>
<td>Graduate</td>
</tr>
<tr>
<td>Withdrawal from Courses</td>
</tr>
<tr>
<td>Women's and Gender Studies</td>
</tr>
<tr>
<td>Minor</td>
</tr>
<tr>
<td>Work Study Program</td>
</tr>
<tr>
<td>Writing Studio</td>
</tr>
</tbody>
</table>

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Directions to Bridgewater State College

Bridgewater State College is located approximately 25 miles south of Boston and 25 miles north of New Bedford. Here are suggested routes via major highways:

From North or South:
Follow Route 24 to Exit 15. Take Route 104 East through the center of Bridgewater and follow signs to the campus.

From the East:
Follow the Massachusetts Turnpike (Route 90) to Route 495 South to Exit 7A (Route 24 North). Once on Route 24 North, take Exit 15 (first exit) and proceed as above.

From the West:
Follow Route 106 West to Route 104 West to the college campus.

All major campus buildings are handicapped accessible.

**BUILDINGS**

1. Gates House, 40 Cedar St. (undergraduate admissions)
2. Bremner Hall, 133 Summer St. (Registrar's Office)
3. Harrington Hall, 95 Grove St. (School of Business)
4. Woodward Hall, 48 Gorham St. (Student residence)
5. Tillinghast Hall, 45 School St. (Health services, financial aid, faculty offices)
6. Art Center, 40 School St.
7. Hunt Hall, 26 School St.
8. Scott Hall, 170 Summer St. (Student residence)
9. Summer Street House, 180 Summer St.
10. Morris Alumni Center, 25 Park Terrace
11. Panagi House, 29 Park Terrace, (presidential residence)
12. Christian Fellowship Center, 29 Shaw Rd.
13. Maxwell Library, 15 Shaw Rd. (School of Graduate Studies and School of Arts and Sciences)
14. Bond Library Campus Center, 19 Park Ave.
15. Pope Hall & Park Ave. (Student residence)
17. Greenhouse and Stairs McNamara Memorial Garden, 19 Park Ave.
18. Power Plant, 34 Park Ave.
19. Athletic Field
20. Kelly Gymnasium, 34 Park Ave.
21. Catholic Center, 125 Park Ave.
22. Miles Hall, 115 Burnt Ave. (Student residence)
23. Dorrance Hall, 115A Burnt Ave. (Student residence)
24. MSCA, 51 Burnt Ave. (Faculty union office)
25. McElyea College, 100 Hill Ave. (Office of Continuing and Distance Education)
26. Hart Hall, 93 Hart Hall Ave. (School of Education and Allied Studies)
27. Hurley Hall, 70 Hooper St
28. Hass Campus Commons, 125 Burnt Ave. (bookstore)
29. East Hall, 125 Burnt Ave. (Student residence)
30. Great Hill Student Apartments, 120-128 Burnt Ave.
31. Tracy Center
32. Shea Hall and Durgnat Hall, 160 Burnt Ave. (Student residence)
33. Alumni Park (baseball/softball complex)
34. Swenson Field
35. Rosen Tennis Courts
36. Campus Police Headquarters, 200 Great Hill Drive
37. Operations Center, 200 Great Hill Drive
38. Astronomy Observatory, 400 Summer St.
39. Clemson Hall, 200 East Campus Drive (Student residence)
40. Burnt Office Complex, 95 Burnt Ave. (faculty offices)
Bridgewater State College is accredited by the New England Association of Schools and Colleges, Inc., through its Commission on Institutions of Higher Education.

Accreditation of an institution of higher education by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the accreditation status by the New England Association should be directed to the administrative staff of the institution. Individuals may also contact:

Commission on Institutions of Higher Education  
New England Association of Schools and Colleges  
209 Burlington Road  
Bedford, MA 01730-1433  
617.271.0022  
E-mail: cihe@neasc.org

Other Accreditations and Certifications

American Chemical Society  
Commission on Accreditation of Athletic Training Education  
Council on Social Work Education  
Federal Aviation Administration  
International Assembly for Collegiate Business Education  
Interstate Certification Compact  
National Council for the Accreditation of Teacher Education