

## UNDERGRADUATE ACADEMIC PROGRAMS

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 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 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 Studies
- 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.

### ■ 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 that may have an impact on their licensure program.

All undergraduate and graduate students seeking licensure must consult the section of this catalog titled "[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.

## ■ 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 university. 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  
New Media  
Photography

### **Aviation Science**

Aviation Management  
Flight Training

### **Biology**

Biomedical/Molecular Biology  
Ecological Biology  
General Biology

### **Chemistry**

Biochemistry  
Environmental Chemistry  
Professional Chemistry

### **Communication Studies**

Corporate Communication  
Individualized  
Media Studies and Communication Technologies  
Speech Communication

Dance Education  
Theater Arts  
Theater Education

**Criminal Justice**

Victimology

**Early Childhood Education**

Early Education and Care, PreK-K

**Earth Sciences**

General

Environmental Geosciences

Geology

**English**

English Education (High School, Middle School)

Writing

**Health Studies**

Community Health

School Health

**History**

Military History

**Management**

General Management

Global Management

Information Systems Management

Marketing

Operations Management

**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

**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 interdisciplinary minor requirements unless otherwise prohibited. At least one half of the courses required for the minor must be successfully completed through Bridgewater State University. 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
- African Studies
- American Studies
- Anthropology
- 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
- Film Studies
- Geography
- Geophysics
- GLBT Studies
- Graphic Design
- Health Promotion
- Health Resources Management
- History
- Inclusive Practices in Special Education and Communication Disorders
- Latin American and Caribbean Studies
- Management
- Mathematics
- Middle East Studies
- Music
- Philosophy
- Physics
- Political Science
- Portuguese
- Professional Practices in Special Education and Communication Disorders
- Psychology
- Public History
- Public Relations
- Recreation
- Russian and East European Studies
- Secondary Education (High School, Middle School, PreK-12 Specialist)\*
- Social Welfare
- Sociology
- Spanish
- Studio Art
- 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 titled "[School of Education and Allied Studies](#)" for important information including institutional deadlines.

## ■ CORE CURRICULUM REQUIREMENTS

Click here to view the [Core Curriculum Requirements](#).

## ■ DIRECTED STUDY

The university 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 university 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 consulting with their faculty adviser for details on programs available through the department or 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 are the responsibilities of faculty members in the department offering the program. A student may be removed from the program if, in the judgment of the faculty supervisor, it is in the best interests of the student, agency and/or university. Grades are based on written evaluations from both the faculty supervisor and the agency supervisor.

From 3 to 15 credits in field experience may be earned and applied toward graduation requirements. The number of credits that 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.

## ■ 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 University 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 course work 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 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 University 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 listed on *InfoBear* prior to 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 (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 anthropology, art, biology, chemistry, criminal justice, English, history, mathematics, philosophy, political science, psychology, social work and sociology.

### Honors colloquia:

Honors colloquia carry one academic credit, meet once a week for 50 minutes, and culminate in a paper or scientific project that 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 that form part of the student’s normal program. Colloquia do not carry core curriculum credit, but 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 (GPA requirements may be higher in some academic departments) 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 Program, an individually designed interdisciplinary honors program (both of which require an application, either to the Departmental Honors chairperson or the Honors Program).

The following departments offer Departmental Honors:

Accounting and Finance  
Art

Aviation Science  
 Biology  
 Chemistry  
 Communication Studies  
 Criminal Justice  
 Earth Sciences  
 English  
 Foreign Languages  
 History  
 Management  
 Mathematics and Computer Science  
 Movement Arts, Health Promotion and Leisure Studies  
 Philosophy  
 Physics  
 Political Science  
 Psychology  
 Social Work  
 Sociology  
 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*. With an Honors Contract, 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.

Honors courses or colloquia are advanced 300- and 400- level course work that typically replace honors contracts and are designed to prepare students for upper-level research within their field. Students should check with their departments for more information about specific requirements.

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. Note that some departments require a two-semester thesis). 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 the requirements specified by the academic department, which may include honors contracts or honors courses or colloquia, and either one or two semesters of an honors thesis. Forms for honors contracts and the honors thesis can be downloaded from the Honors Program Web site, <http://www.bridgew.edu/HonorsProgram/> or they may be picked up from the Honors Center. They 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 a campus forum, such as an event sponsored by the student's department 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 under "Junior and Senior Years." For specific requirements and expectations, please consult your departmental honors committee or request information at the Honors Center.

## ■ SCHOLARSHIPS

Bridgewater State University 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, <http://www.bridgew.edu/StudentAffairs/>. 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 are available at [www.bridgew.edu/atp](http://www.bridgew.edu/atp).

## ■ 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 laser printer and a refrigerator. Students will also find copies of past honors theses written by BSU honors students, 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 EVENTS

Twice a year the program hosts a dinner for students and faculty featuring an informal talk by a faculty recipient of the Honors Outstanding Faculty Award. The honors program also hosts other events such as the Fall Book Club, the Thesis Workshop and the One Book, One Community Program where BSU honors students and high school students gather together with faculty facilitators to discuss the same book.

## ■ 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)
- Gamma Theta Upsilon (Geography)
- Kappa Delta Pi (Education)
- Lambda Pi Eta (Communication Studies)
- Omicron Delta Epsilon (Economics)
- Phi Alpha, Beta Chi Chapter (Social Work)
- Phi Alpha Theta (History)
- Phi Sigma Tau (Philosophy)
- 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)

## ■ INTERDISCIPLINARY PROGRAMS

The university offers a number of interdisciplinary programs, providing majors, minors and preprofessional programs. See the section on ["Interdisciplinary and Preprofessional Programs."](#)



## GRADUATE ACADEMIC PROGRAMS

- Master of Arts (MA)
- Master of Arts in Teaching (MAT)
- Master of Education (MEd)
- Master of Public Administration (MPA)
- Master of Science (MS)
- Master of Social Work (MSW)
- Certificate of Advanced Graduate Study (CAGS)
- Doctor of Education (EdD)
- Postbaccalaureate Licensure Programs
- Postmaster's Licensure Programs
- Educator Licensure
- Graduate Certificate Programs

For complete information about graduate degrees and concentrations, and post-baccalaureate programs, see the "[Academic Programs](#)" section of this catalog or visit [www.bridgew.edu/sogs/](http://www.bridgew.edu/sogs/).

### ■ 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

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 (Professional Licensure only)

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  
Civic and Nonprofit Leadership and Administration  
Sustainable Community Development

## ■ 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

Management

*Concentrations:*

Accounting

Marketing

Organization Development

Technology Management

Physical Education

*Concentrations:*

Adapted Physical Education

Applied Kinesiology

Human Performance and Health Fitness

Strength and Conditioning

Individualized

## ■ 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)

Instructional Technology

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 regulation changes that 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 Elementary and Secondary Education.

Specific information regarding programs is provided in this catalog under the School of Education and Allied Studies and individual 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 Counselor (PreK-8)

School 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)

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

- Teaching English to Speakers of Other Languages

- Women's and Gender Studies (see the ["Interdisciplinary and Preprofessional Programs"](#) section of this catalog for additional information)

For application materials and information on graduate certificate programs, contact the School of Graduate Studies at 508.531.1300.

# INTERDISCIPLINARY AND PRE-PROFESSIONAL PROGRAMS

## ■ DEGREE PROGRAMS

- BS in Chemistry-Geology

## ■ UNDERGRADUATE MINORS

- Actuarial Science
- African Studies
- American Studies
- Asian Studies
- Canadian Studies
- Civic Education and Community Leadership
- Dance
- Film Studies
- GLBT Minor
- Health Resources Management
- Latin American and Caribbean Studies
- Middle East Studies
- Public History
- Public Relations
- Russian and East European Studies
- U.S. Ethnic Studies
- Urban Affairs
- Women's and Gender Studies

## ■ GRADUATE CERTIFICATE PROGRAMS

- Women's and Gender Studies

Click on [Academic Programs](#) for program information and requirements.

## ■ Irish-American Studies Minor

This program is inactive.

## ■ OCEANOGRAPHY

Courses related to oceanography are offered as a cooperative effort of the Departments of Biological Sciences, Chemical Sciences, Earth Sciences 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 (Earth Sciences); Dr. Frank Gorga (Chemical Sciences); Dr. John Jahoda (Biological Sciences).

## ■ Premedical, Predental, Preveterinary and Other Medically Oriented Professions

The Department of Biological Sciences can advise any university student interested in most of the medically oriented professions including medical, dental, veterinary, physical therapy, osteopathic, chiropractic, podiatry and physician's assistant programs. Pertinent information and guidance 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 is available through the premedical adviser, Dr. Merideth Krevosky, in the Department of Biological Sciences.

## ■ PRELAW

Advising for students considering entering law school after graduation is provided by Bridgewater State University. 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. Aeon Skoble of the Department of Philosophy.

## ■ Women's and Gender Studies

Women's and gender studies at Bridgewater State University 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 studying women's and gender issues enhances their major curriculum 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.

# ACADEMIC PROGRAMS

## ■ ACCOUNTING AND FINANCE

### Accounting Concentration, BS

The accounting concentration prepares students for a variety of positions leading to management level careers in corporate and public accounting, auditing and taxation. This concentration also assists in preparing students for the Certified Public Accountant (CPA) exam or the Certified Management Accounting (CMA) exam.

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.

#### Grade Requirement

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.

#### Requirements

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 200 Financial Accounting
- ACFI 305 Business Law I
- ACFI 340 Intermediate Accounting I
- ACFI 341 Intermediate Accounting II
- ACFI 385 Managerial Finance
- ACFI 406 Business Law II
- ACFI 430 Cost Accounting I
- ACFI 466 Federal Income Taxation I
- ACFI 470 Accounting Information Systems
- ACFI 492 Intermediate Accounting III
- COMP 105 Computers and Their Applications: An Introduction
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 426 Service Operations Management
- MGMT 490 Strategic Management

Total minimum credits: 63

Note(s): It is recommended that CPA exam candidates who plan to satisfy the 150-hour requirement by earning undergraduate credits only, complete the following elective courses in addition to the requirements of the undergraduate accounting concentration

- ACFI 445 Auditing
- ACFI 460 Advanced Accounting I

If these courses are taken for undergraduate credit, they cannot be later transferred into a graduate program.

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Accounting and Finance, Finance Concentration, BS

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).

#### Grade Requirement

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.

#### Requirements

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 200 Financial Accounting
- ACFI 305 Business Law I
- ACFI 350 Managerial Accounting
- ACFI 385 Managerial Finance
- ACFI 406 Business Law II
- ACFI 455 International Finance
- ACFI 465 Options and Futures Markets
- ACFI 476 Insurance and Risk Management
- ACFI 485 Capital Budgeting
- ACFI 486 Real Estate Investment and Finance
- ACFI 490 Investments
- COMP 105 Computers and Their Applications: An Introduction
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- ECON 315 Money and Banking
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 360 Fundamentals of Information Systems
- MGMT 426 Service Operations Management
- MGMT 490 Strategic Management

Total minimum credits: 72

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ ANTHROPOLOGY

### **Anthropology, Cultural Anthropology Concentration, BA**

Students taking the cultural anthropology concentration are introduced to three of the five anthropology subfields along with upper-division areas of study 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 firsthand participant observation fieldwork and interviews.

#### Requirements

- ANTH 100 Introduction to Cultural Anthropology
- ANTH 101 Biological Anthropology
- ANTH 103 Introduction to Archaeology
- ANTH 400 Seminar: Anthropological Theory (Writing intensive course in the major - CWRM)
- ANTH 401 Research Methods in Anthropology

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

Plus one course in a culture area from the following (3 credits)

- 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 Middle East
- ANTH 224 Anthropology of South Asia

Plus a one-semester course at the intermediate level in a foreign language from the list below (3 credits)

- LAAR 151 Intermediate Arabic
- LAFR 251 Intermediate French
- LAIT 151 Intermediate Italian I
- LAJA 151 Intermediate Japanese
- LAPO 151 Intermediate Portuguese I
- LARU 151 Intermediate Russian I
- LASP 151 Intermediate Spanish I

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 three credits in archaeology or biological anthropology at the 300 level or above as part of this concentration. (15 credits)

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Anthropology, General Anthropology Concentration, BA

The general anthropology concentration introduces students to four of anthropology's 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 workplace or to enter a broad-based graduate program in anthropology.

#### Requirements

- ANTH 100 Introduction to Cultural Anthropology
- ANTH 101 Biological Anthropology
- ANTH 103 Introduction to Archaeology
- ANTH 400 Seminar: Anthropological Theory (Writing intensive course in the major – CWRM)
- ANTH 401 Research Methods in Anthropology

Plus one course in a culture area from the following (3 credits)

- 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 Middle East
- ANTH 224 Anthropology of South Asia
- ANTH 319 Contemporary Native Americans

Plus nine additional elective credits in anthropology at the upper division level (300-400), one in each of the three subdisciplines below (9 credits)

#### 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 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
- ANTH 406 Seminar: Human Evolution

#### 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

Plus three additional, three-credit electives in anthropology, two of which must be upper division level (300 and above) (9 credits)

Plus one, three-credit research or applied course (not previously taken to fulfill the upper division subdiscipline requirements above) from the list below (3 credits)

- 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

#### Foreign Language Requirement

A two-semester sequence of an introductory foreign language or its equivalent (6 credits)

Total minimum credits: 45

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Anthropology, Public Archaeology Concentration, BS

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.

#### Requirements

- ANTH 100 Introduction to Cultural Anthropology
- ANTH 101 Biological Anthropology
- ANTH 103 Introduction to Archaeology
- ANTH 206 Native Cultures of North America
- ANTH 328 Archaeology of North America
- ANTH 400 Seminar: Anthropological Theory (Writing intensive course in the major - CWRM)
- ANTH 410 Public Archaeology

Plus nine credits of field or laboratory work in archaeology (9 credits) any combination of ANTH 303 Archaeological Field Excavation in Prehistoric Sites in New England ANTH 332 Practicum in Field Archaeology ANTH 405 Forensic Anthropology and ANTH 498 Field Experience in Anthropology or ANTH 499 Directed Study in Anthropology

Plus three additional credits in anthropology (3 credits)

#### Cognate Requirements

- ANTH 401 Research Methods in Anthropology
- or
- GEOG 315 Quantitative Geography
- EASC 100 Physical Geology

Plus four courses from the following (12 credits)

- 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

Or other cognates deemed appropriate by the department

Total minimum credits: 52

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ ART

### Art, Art Education Concentration, BA

Students majoring in education must refer to the Department of Elementary and Early Childhood Education and the Department of Secondary Education and Professional Programs for specific requirements and consult with the art education faculty, Professor Dorothy Pulsifer or Assistant Professor John Hooker, for additional information.

#### Grade Requirement

Students 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.

#### Requirements

- ARTH 103 Survey of Ancient and Medieval Art
- ARTH 104 Survey of Art from the 14<sup>th</sup> Century to the Present
- ARTH 309 Early Modern Art and Architecture
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design
- ARTS 216 Photography I
- ARTS 225 Drawing II
- ARTS 230 Painting I
- ARTS 240 Sculpture I
- ARTS 255 Printmaking I
- ARTS 260 Graphic Design I
- or
- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 270 Ceramics I

Total minimum credits: 39

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Art, Art History Concentration, BA

#### Grade Requirement

Students 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.

#### Foundation Program

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design
- ARTS 225 Drawing II

#### Concentration

Complete at least one course from each of the first two categories (The Americas and Africa and Asia) and two additional courses (six credits) from any of the four categories (12 credits)

- The Americas
- ARTH 203 American Art and Architecture
- ARTH 214 Global Art History Study Tour (if an itinerary in the Americas)

- ARTH 217 African-American Art
- ARTH 219 MesoAmerican Art and Architecture

#### Africa and Asia

- ARTH 205 Asian Art Survey: India, China and Japan
- ARTH 207 Introduction to African Art
- ARTH 208 Survey of Islamic Art and Architecture
- ARTH 214 Global Art History Study Tour (if an itinerary in Africa or Asia)
- ARTH 311 Orientalism

#### Topics

- ARTH 206 History of Architecture
- ARTH 211 Monuments as Cultural Symbols and Emblems of Power
- ARTH 215 Themes in the Visual Arts
- ARTH 218 History of Photography
- ARTH 308 Women in the Visual Arts
- ARTH 492 Topics in Art History

#### Other Options

- ARTH 135 Freshman Honors Colloquium
- ARTH 136 Freshman Honors Colloquium
- ARTH 286 Sophomore Honors Colloquium
- ARTH 287 Sophomore Honors Colloquium
- ARTH 298 Second Year Seminar (Speaking Intensive)
- or
- ARTH 299 Second Year Seminar (Writing Intensive)
- ARTH 214 Global Art History Study Tour (European itinerary)
- ARTH 338 Honors Tutorial in Art
- ARTH 339 Honors Tutorial in Art
- ARTH 485 Honors Thesis in Art
- ARTH 490 Art History Studies in Oxford
- ARTH 499 Directed Study in Art History

#### Art History

- ARTH 103 Survey of Ancient and Medieval Art
- ARTH 104 Survey of Art from the 14<sup>th</sup> Century to the Present
- ARTH 309 Early Modern Art and Architecture
- ARTH 310 Art and Architecture since 1940

#### Studio Art Electives

Complete three of the following (9 credits)

- ARTS 204 Video Art
- ARTS 205 Three-Dimensional Modeling and Animation
- ARTS 216 Photography I
- ARTS 217 Digital Photography I
- ARTS 230 Painting I
- ARTS 240 Sculpture I
- ARTS 255 Printmaking I
- ARTS 260 Graphic Design I
- ARTS 267 Web Art I
- ARTS 270 Ceramics I
- ARTS 273 Glass I
- ARTS 280 Metals I
- ARTS 290 Weaving I
- ARTS 325 Advanced Drawing
- ARTS 332 Mixed Media
- ARTS 360 Business Issues for Visual Artists

#### Cognate Requirements

- PHIL 225 Philosophy of Art (or other philosophy course with departmental approval)

Foreign Language: a two-semester sequence of an introductory foreign language or equivalent proficiency is required (6 credits)

Total minimum credits: 57

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Art, Crafts Concentration, BA

### Grade Requirement

Students 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.

### Foundation Program

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design
- ARTS 225 Drawing II

### Concentration

In addition to any related course taken as a studio art elective, complete four courses within one of the following groups (12 credits)

#### Ceramics

- ARTS 270 Ceramics I
- ARTS 370 Ceramics II
- ARTS 371 Ceramics III
- ARTS 470 Advanced Ceramics (maximum of nine credits)
- ARTS 499 Directed Study in Art – Ceramics (maximum of six credits)

#### Glass

- ARTS 273 Glass I
- ARTS 373 Glass II
- ARTS 473 Advanced Glass (maximum of nine credits)
- ARTS 499 Directed Study in Art – Glass (maximum of six credits)

#### Metals

- ARTS 280 Metals I
- ARTS 380 Metal Design II
- ARTS 381 Metals III
- ARTS 480 Advanced Metals (maximum of nine credits)
- ARTS 499 Directed Study in Art – Metals (maximum of six credits)

#### Weaving

- ARTS 290 Weaving I
- ARTS 390 Weaving II
- ARTS 490 Advanced Weaving (maximum of nine credits)
- ARTS 499 Directed Study in Art – Weaving (maximum of six credits)

### Art History

Complete one non-Western art history course from the following (3 credits)

- ARTH 205 Asian Art Survey: India, China and Japan
- ARTH 207 Introduction to African Art
- ARTH 208 Survey of Islamic Art and Architecture
- ARTH 214 Global Art History Study Tour (if an itinerary in Africa or Asia)
- ARTH 215 Themes in the Visual Arts (if appropriate)
- ARTH 311 Orientalism
- ARTH 492 Topics in Art History (if appropriate)

Complete three additional art history courses, excluding ARTH 101 (9 credits)

### Studio Art Elective

Complete three of the following (9 credits)

- ARTS 204 Video Art
- ARTS 205 Three-Dimensional Modeling and Animation
- ARTS 216 Photography I
- ARTS 217 Digital Photography I
- ARTS 230 Painting I
- ARTS 240 Sculpture I

- ARTS 255 Printmaking I
- ARTS 260 Graphic Design I
- ARTS 267 Web Art I
- ARTS 270 Ceramics I
- ARTS 273 Glass I
- ARTS 280 Metals I
- ARTS 290 Weaving I
- ARTS 325 Advanced Drawing
- ARTS 332 Mixed Media
- ARTS 360 Business Issues for Visual Artists

Total minimum credits: 48

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the "Undergraduate Academic Programs" section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the "[Undergraduate Academic Policies](#)" section of this catalog.

### Art, Fine Arts Concentration, BA

#### Grade Requirement

Students 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.

#### Foundation Program

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design
- ARTS 225 Drawing II

#### Concentration

In addition to any related course taken as a studio art elective, complete four courses (12 credit hours) within one of the following groups.

#### Painting

- ARTS 230 Painting I
- ARTS 330 Painting II: Figure
- ARTS 430 Advanced Painting

#### Printmaking

- ARTS 255 Printmaking I
- ARTS 355 Printmaking II
- ARTS 450 Advanced Printmaking

#### Sculpture

- ARTS 240 Sculpture I
- ARTS 340 Sculpture II
- ARTS 440 Advanced Sculpture

#### Art History

Complete one Non-Western art history course from the following (3 credits)

- ARTH 205 Asian Art Survey: India, China and Japan
- ARTH 207 Introduction to African Art
- ARTH 208 Survey of Islamic Art and Architecture
- ARTH 214 Global Art History Study Tour (if an itinerary in Africa or Asia)
- ARTH 215 Themes in the Visual Arts (if appropriate)
- ARTH 311 Orientalism
- ARTH 492 Topics in Art History (if appropriate)

Complete three additional art history courses, excluding ARTH 101 (9 credits)

#### Studio Art Elective

Complete three of the following courses other than those taken above (9 credits)

- ARTS 204 Video Art
- ARTS 205 Three-Dimensional Modeling and Animation
- ARTS 216 Photography I
- ARTS 217 Digital Photography I
- ARTS 230 Painting I

- ARTS 240 Sculpture I
- ARTS 255 Printmaking I
- ARTS 260 Graphic Design I
- ARTS 267 Web Art I
- ARTS 270 Ceramics I
- ARTS 273 Glass I
- ARTS 280 Metals I
- ARTS 290 Weaving I
- ARTS 325 Advanced Drawing
- ARTS 332 Mixed Media
- ARTS 360 Business Issues for Visual Artists

Total minimum credits: 48

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Art, Graphic Design Concentration, BA

#### Grade Requirement

Students 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.

#### Foundation Program

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design

#### Additional Course Requirements

- ARTS 225 Drawing II

#### Concentration

The following courses are required in addition to any related course taken as a studio art elective

- ARTS 260 Graphic Design I
- ARTS 361 Graphic Design II
- ARTS 362 Graphic Design III
- ARTS 460 Advanced Graphics (maximum of nine credits)

Note(s): ARTS 368 Synthesis of Graphic Design and Photography, ARTS 376 Typography, ARTS 463 Projects in Graphic Design and photography are recommended electives but cannot be used to replace ARTS 460 Advanced Graphics

### Art History

#### Required Course

- ARTH 218 History of Photography

Complete one non-Western art history course from the following (3 credits)

- ARTH 205 Asian Art Survey: India, China and Japan
- ARTH 207 Introduction to African Art
- ARTH 208 Survey of Islamic Art and Architecture
- ARTH 214 Global Art History Study Tour (if an itinerary in Africa or Asia)
- ARTH 215 Themes in the Visual Arts (if appropriate)
- ARTH 311 Orientalism
- ARTH 492 Topics in Art History (if appropriate)

Complete two additional art history courses, excluding ARTH 101 (6 credits)

#### Studio Art Elective

Complete three courses from the following (9 credits)

- ARTS 204 Video Art
- ARTS 205 Three-Dimensional Modeling and Animation
- ARTS 216 Photography I
- ARTS 217 Digital Photography I
- ARTS 230 Painting I
- ARTS 240 Sculpture I



- ARTS 255 Printmaking I
- ARTS 267 Web Art I
- ARTS 270 Ceramics I
- ARTS 273 Glass I
- ARTS 280 Metals I
- ARTS 290 Weaving I
- ARTS 325 Advanced Drawing
- ARTS 332 Mixed Media
- ARTS 360 Business Issues for Visual Artists

Total minimum credits: 48

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Art, New Media Concentration, BA

#### Grade Requirement

Students 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.

#### Foundation Program

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design
- ARTS 225 Drawing II

#### Concentration

- ARTS 204 Video Art
- ARTS 205 Three-Dimensional Modeling and Animation
- ARTS 267 Web Art I
- ARTS 301 Web Art II
- ARTS 403 Convergent Media Projects

#### Art History

- ARTH 103 Survey of Ancient and Medieval Art  
or
- ARTH 104 Survey of Art from the 14<sup>th</sup> Century to the Present
- ARTH 309 Early Modern Art and Architecture  
or
- ARTH 310 Art and Architecture since 1940

Plus six additional credits in ARTH courses excluding ARTH 101 (6 credits)

#### Studio Art Electives

Complete two of the following (6 credits)

- ARTS 216 Photography I
- ARTS 217 Digital Photography I
- ARTS 230 Painting I
- ARTS 240 Sculpture I
- ARTS 255 Printmaking I
- ARTS 260 Graphic Design I
- ARTS 270 Ceramics I
- ARTS 273 Glass I
- ARTS 280 Metals I
- ARTS 290 Weaving I
- ARTS 325 Advanced Drawing
- ARTS 332 Mixed Media
- ARTS 360 Business Issues for Visual Artists

Electives in computer science, music, creative writing, theater and dance are recommended

Total minimum credits: 48



## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Art, Photography Concentration, BA

### Grade Requirement

Students 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.

### Foundation Program

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design
- ARTS 225 Drawing II

### Concentration

- ARTS 216 Photography I
- ARTS 217 Digital Photography I
- \* ARTS 316 Photography II
- \* ARTS 416 Advanced Photography

\*On a case by case basis, the courses below may be substituted in this category pending departmental approval.

- ARTS 219 Topics in Photography
- ARTS 317 Digital Photography II
- ARTS 319 Field Experience in Photography
- ARTS 418 Advanced Topics in Photography
- ARTS 498 Internship in Art

### Art History

- ARTH 218 History of Photography

Complete one non-Western art history course from the following (3 credits)

- ARTH 205 Asian Art Survey: India, China and Japan
- ARTH 207 Introduction to African Art
- ARTH 208 Survey of Islamic Art and Architecture
- ARTH 214 Global Art History Study Tour (if an itinerary in Africa or Asia)
- ARTH 215 Themes in the Visual Arts (if appropriate)
- ARTH 311 Orientalism
- ARTH 492 Topics in Art History (if appropriate)

Complete two additional art history courses, excluding ARTH 101 (6 credits)

### Studio Art Electives

Complete three of the following (9 credits)

- ARTS 204 Video Art
- ARTS 205 Three-Dimensional Modeling and Animation
- ARTS 230 Painting I
- ARTS 240 Sculpture I
- ARTS 255 Printmaking I
- ARTS 260 Graphic Design I
- ARTS 267 Web Art I
- ARTS 270 Ceramics I
- ARTS 273 Glass I
- ARTS 280 Metals I
- ARTS 290 Weaving I
- ARTS 325 Advanced Drawing
- ARTS 332 Mixed Media
- ARTS 360 Business Issues for Visual Artists

Total minimum credits: 48

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as

specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ ATHLETIC TRAINING

### Athletic Training, BS

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 Web site at [www.bridgew.edu/atep](http://www.bridgew.edu/atep).

#### Required Athletic Training Courses

- ATTR 100 Athletic Taping and Bracing
- ATTR 112 Sports First Aid
- ATTR 240 Introduction to Athletic Training
- ATTR 241 Level I Clinical Experience in Athletic Training
- ATTR 340 Sports Injury Management – Lower Extremity
- ATTR 341 Sports Injury Management – Upper Extremity
- ATTR 342 Level II Clinical Experience in Athletic Training
- ATTR 343 Level III Clinical Experience in Athletic Training
- ATTR 410 Nutritional Concepts for Health Care Practitioners (Writing intensive course in the major – CWRM)
- ATTR 442 Therapeutic Exercise
- ATTR 443 Pharmacology for the Physically Active
- ATTR 446 Medical Conditions and Disabilities of the Physically Active
- ATTR 450 Therapeutic Modalities
- ATTR 454 Level IV Clinical Experience in Athletic Training
- ATTR 455 Level V Clinical Experience in Athletic Training
- ATTR 490 Administration of Athletic Training

#### Cognate Courses

- BIOL 102 Introduction to Zoology
- BIOL 251 Human Anatomy and Physiology I
- BIOL 252 Human Anatomy and Physiology II
- PHED 100 Applied Musculoskeletal Anatomy
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise
- HEAL 102 Health and Wellness
- PSYC 100 Introductory Psychology

Total minimum credits: 71

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ AVIATION SCIENCE

### Aviation Science, Aviation Management Concentration, BS

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.

## Requirements

- ACFI 100 Fundamentals of Financial Reporting
- AVSC 100 Private Pilot Flight
- AVSC 105 Private Pilot Ground School
- AVSC 305 Introduction to General Aviation Management
- AVSC 307 Air Carrier Operations
- AVSC 310 Aviation Safety
- AVSC 402 Insurance and Risk Management in Aviation
- AVSC 407 Aviation Marketing Management
- AVSC 471 Aviation Management
- COMP 105 Computers and Their Applications: An Introduction
- ECON 102 Principles of Macroeconomics
- ENGL 201 Technical Writing I
- GEOG 221 Meteorology
- MATH 110 Elementary Statistics I
- MATH 141 Elements of Calculus I
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 360 Fundamentals of Information Systems
- PHYS 181 Elements of Physics I
- PHYS 183 Aviation Physics

Note(s): Flight courses involve flight fees.

One environmental science course (3 credits)

- EASC 194 Environmental Geology  
or
- GEOG 130 Environmental Geography

Total minimum credits: 68

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Aviation Science, Flight Training Concentration, BS

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<sup>1</sup>. The flight program allows the student to obtain private pilot, commercial pilot, instrument pilot and/or 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.

Bridgewater State University reserves the right to refuse permission to any student to participate in any portion, or all, of the flight training program, including without limitation, for any safety or security reason which the university deems appropriate.

<sup>1</sup>Reserve Officer Training Corps (ROTC) scholarship opportunities are available. The ROTC program is designed to give students the opportunity to become a military officer while completing a bachelor's degree program. See the department chairperson for details.

## Requirements

- 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 307 Air Carrier Operations
- AVSC 310 Aviation Safety
- AVSC 320 Aviation Regulatory Process

- AVSC 400 Instructional Flight
- COMP 105 Computers and Their Applications: An Introduction
- ECON 102 Principles of Macroeconomics
- GEOG 221 Meteorology
- MATH 110 Elementary Statistics I
- MATH 141 Elements of Calculus I
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- PHYS 181 Elements of Physics I
- PHYS 183 Aviation Physics

Note(s): Flight courses involve flight fees.

Total minimum credits: 67

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ BIOLOGY

### 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 teaching elementary education, science writing, scientific illustration, technical sales or publishing. 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:

#### Grade Requirement

Students must receive a grade of “C-” or higher for the biology core courses BIOL 121 and BIOL 122. A grade of “B-” or higher is required in BIOL 100 or BIOL 102 in order for these courses to substitute as an equivalent to BIOL 121. Only one grade below “C-” earned in a course taught in the department and outside of the biology core shall be accepted to fulfill the requirements of the bachelor’s degree. Students receiving a grade below “C-” in additional courses may continue in the major but must repeat and successfully complete the course with the grade of “C-” or better or complete another course that fulfills the same required “area” for the major. To qualify for graduation with a degree in biology, the student must have a major grade point average (GPA) of 2.3 or higher.

#### Requirements

- BIOL 121 General Biology I
- BIOL 122 General Biology II

Two biology courses at the 200 level (6 credits)

Two biology courses at the 300 level\* (6 credits)

Two biology courses at the 400 level\* (6 credits)

Two additional biology courses at or above the 200 level (6 credits)

Note(s): \* As part of the 300- and 400-level required courses, students must complete either BIOL 328 Stream Ecology or BIOL 428 Microbiology as their Writing intensive course in the major - (CWRM).

#### Cognate Courses

- CHEM 131 Survey of Chemistry I
- CHEM 132 Survey of Chemistry II

Note(s): A student may not apply BIOL 251-BIOL 252 toward the BA degree in biology.

Total minimum credits: 39

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Biology, Biomedical/Molecular Biology Concentration, BS

#### Grade Requirement

Students must receive a grade of “C-” or higher for the biology core courses, (BIOL 121, BIOL 122, BIOL 225, BIOL 321 and BIOL 428). A grade of “B-” or higher is required in BIOL 100 or BIOL 102 in order for these courses to substitute as an equivalent to BIOL 121. Only one grade below “C-” earned in a course taught in the department and required outside of the biology core shall be accepted to fulfill the

requirements for the bachelor's degree. Students receiving a grade below "C-" in additional courses may continue in the major but must repeat and successfully complete the course with the grade of "C-" or better or complete another course that fulfills the same required "area" for the major. To qualify for graduation with a degree in biology, the student must have a major grade point average (GPA) of 2.3 or higher.

**Biology core and cognate courses (All BS students must take the biology core and cognate courses.)**

**Biology Core Courses**

- BIOL 121 General Biology I
- BIOL 122 General Biology II
- BIOL 200 Cell Biology
- BIOL 225 General Ecology
- BIOL 321 Genetics
- BIOL 428 Microbiology (Writing intensive course in the major - CWRM)

**Cognate Courses**

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- CHEM 343 Organic Chemistry I
- CHEM 344 Organic Chemistry II
- MATH 141 Elements of Calculus I  
or
- MATH 151 Calculus I \*
- MATH 142 Elements of Calculus II \*
- or
- MATH 152 Calculus II \*
- or
- BIOL 297 Biometry
- PHYS 181 Elements of Physics I  
or
- PHYS 243 General Physics I \*
- PHYS 182 Elements of Physics II
- PHYS 244 General Physics II \*

\* Premedical, preveterinary and predental students

PHYS 243-PHYS 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(s): A student may not apply both BIOL 373 and BIOL 251-BIOL 252 toward the BS degree in biology.

## **Biomedical/Molecular Biology Concentration: Biomedical Area**

**Additional Requirements**

- BIOL 251 Human Anatomy and Physiology I
- BIOL 252 Human Anatomy and Physiology II

Select two biomedical/molecular concentration electives (consult "A" below) (6 credits)

Select one additional biology elective of any type at or above the 300 level (three or four credits) (3 credits) (see the ["Course Descriptions"](#) section in this catalog for all additional 300-400 level courses)

Note(s): 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 Ecology (for a total of three credits only) can be used for only ONE biology elective or concentration elective.

Total minimum credits: 71

## **Biomedical/Molecular Biology Concentration: Molecular Area**

**Additional Requirements**

- BIOL 341 Plant Physiology  
or
- BIOL 373 Animal Physiology

Select three biomedical/molecular concentration electives (consult "A" below) (9 credits)

Select one additional biology elective of any type at or above the 300 level (three or four credits) (3 credits) (see the ["Course Descriptions"](#) section in this catalog for all additional 300- and 400-level courses)

Note(s): 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 Ecology (for a total of three credits only) can be used for only ONE biology elective or concentration elective.

#### 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 382 Comparative Chordate Anatomy
- BIOL 396 Research Problems in Biology (3 credit limit)
- 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 Ecology (at least three credits)
- BIOL 497 Undergraduate Biological Research
- BIOL 498 Internship in Biology (three credit limit)
- BIOL 499 Directed Study in Biology (three credit limit)

Total minimum credits: 70

### Biomedical/Molecular Biology Concentration Internship/Research

Biology majors in the biomedical/molecular concentration should strive to qualify for three 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 University. An expanded list of internship opportunities may be accessed on the biology department Web site.

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Biology, Ecological Biology Concentration, BS

#### Grade Requirement

Students must receive a grade of "C-" or higher for the biology core courses, (BIOL 121, BIOL 122, BIOL 225, BIOL 321 and BIOL 428). A grade of "B-" or higher is required in BIOL 100 or BIOL 102 in order for these courses to substitute as an equivalent to BIOL 121. Only one grade below "C-" earned in a course taught in the department and required outside of the biology core shall be accepted to fulfill the requirements for the bachelor's degree. Students receiving a grade below "C-" in additional courses may continue in the major but must repeat and successfully complete the course with the grade of "C-" or better or complete another course that fulfills the same required "area" for the major. To qualify for graduation with a degree in biology, the student must have a major grade point average (GPA) of 2.3 or higher. Biology core and cognate courses (All BS students must take the biology core and cognate courses.)

#### Biology Core Courses

- BIOL 121 General Biology I
- BIOL 122 General Biology II
- BIOL 200 Cell Biology
- BIOL 225 General Ecology
- BIOL 321 Genetics
- BIOL 428 Microbiology (Writing intensive course in the major - CWRM)

#### Cognate Courses

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- CHEM 343 Organic Chemistry I



- CHEM 344 Organic Chemistry II
  - MATH 141 Elements of Calculus I  
or
  - MATH 151 Calculus I \*
  - MATH 142 Elements of Calculus II \*  
or
  - MATH 152 Calculus II \*  
or
  - BIOL 297 Biometry
  - PHYS 181 Elements of Physics I  
or
  - PHYS 243 General Physics I \*
  - PHYS 182 Elements of Physics II
  - PHYS 244 General Physics II \*
- \* Premedical, preveterinary and pre dental students
- PHYS 243-PHYS 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(s): A student may not apply both BIOL 373 and BIOL 251-BIOL 252 toward the BS degree in biology.

### Ecological Biology Concentration Courses

#### Requirements

- BIOL 297 Biometry
- BIOL 341 Plant Physiology

Select three ecological biology concentration elective courses (consult "A" below) (9-12 credits) 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 Ecology (for a total of three credits only) can be used for only ONE biology elective or concentration elective. One ecological biology concentration elective course in another discipline is recommended (consult "B" that follows)

### Ecological Biology Concentration Internship/Research

Biology majors in the ecological biology concentration should strive to qualify for a three-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 University. An expanded list of internship opportunities may be accessed on the biology department Web site.

#### A) Ecological 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 Ecology
- BIOL 328 Stream Ecology (Writing intensive course in the major – CWRM)
- BIOL 372 Animal Behavior
- BIOL 373 Animal Physiology
- BIOL 396 Research Problems in Biology (three credit limit)
- BIOL 408 The Biology of Marine Mammals
- BIOL 420 Limnology
- BIOL 422 Biological Evolution
- BIOL 423 Invasion Ecology
- BIOL 425 Population Ecology
- BIOL 485 Honors Thesis
- BIOL 490 Special Topics in Ecology (at least three credits)
- BIOL 497 Undergraduate Biological Research
- BIOL 498 Internship in Biology (three credit limit)
- BIOL 499 Directed Study in Biology (three credits)

#### B) Ecological Biology Concentration Electives (one course recommended from the following list)

- CHEM 290 Environmental Chemistry
- COMP 105 Computers and Their Applications: An Introduction

- EASC 210 Oceanography
- EASC 240 Hydrology
- GEOG 213 Geographic Information Systems (GIS) I
- INTD 350 Soil Identification and Interpretation

Total minimum credits: 71

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Biology, General Biology Concentration, BS

### Grade Requirement

Students must receive a grade of "C-" or higher for the biology core courses, (BIOL 121, BIOL 122, BIOL 225, BIOL 321 and BIOL 428). A grade of "B-" or higher is required in BIOL 100 or BIOL 102 in order for these courses to substitute as an equivalent to BIOL 121. Only one grade below "C-" earned in a course taught in the department and required outside of the biology core shall be accepted to fulfill the requirements for the bachelor's degree. Students receiving a grade below "C-" in additional courses may continue in the major but must repeat and successfully complete the course with the grade of "C-" or better or complete another course that fulfills the same required "area" for the major. To qualify for graduation with a degree in biology, the student must have a major grade point average (GPA) of 2.3 or higher.

Biology core and cognate courses (All BS students must take the biology core and cognate courses.)

### Biology Core Courses

- BIOL 121 General Biology I
- BIOL 122 General Biology II
- BIOL 200 Cell Biology
- BIOL 225 General Ecology
- BIOL 321 Genetics
- BIOL 428 Microbiology (Writing intensive course in the major - CWRM)

### Cognate Courses

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- CHEM 343 Organic Chemistry I
- CHEM 344 Organic Chemistry II
- MATH 141 Elements of Calculus I
- or
- MATH 151 Calculus I \*
- MATH 142 Elements of Calculus II \*
- or
- MATH 152 Calculus II \*
- or
- BIOL 297 Biometry
- PHYS 181 Elements of Physics I
- or
- PHYS 243 General Physics I \*
- PHYS 182 Elements of Physics II
- PHYS 244 General Physics II \*
- \* Premedical, preveterinary and predental students
- PHYS 243-PHYS 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(s): A student may not apply both BIOL 373 and BIOL 251-BIOL 252 toward the BS degree in biology.

## General Biology Concentration: Standard Program

### Additional requirements

- BIOL 341 Plant Physiology
- BIOL 373 Animal Physiology

Three courses at or above the 200 level for a total of at least nine credits (9-12 credits) (See the ["Course Descriptions"](#) 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 Ecology (for a total of three credits only) can be used for only ONE biology elective or concentration elective.

Total minimum credits: 71

### 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.

#### Additional Requirements

- BIOL 251 Human Anatomy and Physiology I
- BIOL 252 Human Anatomy and Physiology II
- BIOL 341 Plant Physiology
- BIOL 382 Comparative Chordate Anatomy
- or
- BIOL 284 Invertebrate Zoology
- BIOL 422 Biological Evolution
- EASC 100 Physical Geology

One of the following courses is recommended

- BIOL 490 Special Topics in Ecology
- or
- PHIL 215 Environmental Ethics
- or
- PHIL 216 Values and Technology

Biology departmental approval to participate in the teaching practicum as signified by the signature of the biology department chairperson on the application to engage in the practicum is provided, if the following criteria are met

Minimum biology GPA of 2.8

- Any grade of "D+" or lower in a biology core course has been repeated for a grade of at least "C-"
- Any grade of "D+" or lower in a biology elective has been repeated for a grade of at least "C-", or substituted with an approved biology elective with a grade of at least "C-"

Total minimum credits: 76

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ CHEMISTRY

### Chemistry, BA

#### Requirements

CHEM 100 Computers in Chemistry (COMP 100 is an acceptable substitute)

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- CHEM 242 Intermediate Inorganic Chemistry
- CHEM 343 Organic Chemistry I
- CHEM 344 Organic Chemistry II
- CHEM 381 Physical Chemistry I
- CHEM 382 Physical Chemistry II
- CHEM 461 General Biochemistry I
- MATH 151 Calculus I
- MATH 152 Calculus II (MATH 141 - MATH 142 are acceptable substitutes with the permission of the adviser\*)
- PHYS 243 General Physics I
- PHYS 244 General Physics II (PHYS 181 - PHYS 182 are acceptable substitutes with permission of adviser\*)

Note(s): \*MATH 141 - MATH 142 and PHYS 181 - PHYS 182 are not acceptable as substitutes in the professional chemistry program.

Total minimum credits: 47

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Chemistry, Biochemistry Concentration, BS (Approved by the American Chemical Society)

#### Requirements

All of the courses required for the chemistry major, except CHEM 242 (44 credits)

Plus the following additional courses:

- CHEM 444 Advanced Inorganic Chemistry
- CHEM 462 General Biochemistry II
- CHEM 466 Advanced Biochemistry Laboratory
- BIOL 121 General Biology I
- BIOL 200 Cell Biology
- BIOL 321 Genetics
- BIOL 428 Microbiology (Writing intensive course in the major - CWRM)

One of the following courses (3 credits)

- CHEM 241 Quantitative Chemical Analysis
- CHEM 250 Instrumentation
- CHEM 450 Instrumental Analysis

Total minimum credits: 71

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Chemistry, Environmental Chemistry Concentration, BS

#### Requirements

All of the courses listed for the chemistry major (47 credits)

Plus the following additional courses

- CHEM 290 Environmental Chemistry
- CHEM 450 Instrumental Analysis (Writing intensive course in the major - CWRM)
- CHEM 490 Special Topics in Chemistry
- BIOL 121 General Biology I
- EASC 100 Physical Geology
- BIOL 122 General Biology II  
or
- EASC 101 Historical Geology

Select one course from the following (4 credits)

- BIOL 225 General Ecology
- BIOL 420 Limnology
- EASC 240 Hydrology
- EASC 250 Geomorphology
- EASC 350 Structural Geology
- EASC 450 Geochemistry

Total minimum credits: 72

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Chemistry, Professional Chemistry Concentration, BS (Approved by the American Chemical Society)

#### Requirements

All of the courses required for the chemistry major\* (47 credits)

Plus the following additional courses:

- CHEM 241 Quantitative Chemical Analysis
- CHEM 444 Advanced Inorganic Chemistry

- CHEM 450 Instrumental Analysis (Writing intensive course in the major - CWRM)
- CHEM 492 Laboratory Techniques
- MATH 251 Calculus III

One additional mathematics course selected from the following (3 credits)

- MATH 110 Elementary Statistics I
- MATH 120 Introduction to Linear Algebra
- MATH 200 Probability and Statistics
- MATH 202 Linear Algebra
- MATH 316 Differential Equations

Note(s): \* MATH 141 - MATH 142 and PHYS 181 - PHYS 182 are not acceptable as substitutes in the professional chemistry program.  
Total minimum credits: 65

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ CHEMISTRY-GEOLOGY

### Chemistry-Geology, BS

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 geochemistry 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-Geology)

- HEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- EASC 100 Physical Geology
- EASC 101 Historical Geology
- EASC 260 Mineralogy
- EASC 450 Geochemistry

#### Electives

Two additional semesters of chemistry (6 credits)

Two semesters of physics (6 credits)

Two semesters of mathematics (6 credits)

In addition to the above electives: six hours of chemistry, earth sciences, mathematics and/or physics (courses must be approved by the student's adviser) (6 credits)

Total minimum credits: 47

#### Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include the core curriculum requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ COMMUNICATION STUDIES

### Communication Studies, Corporate Communication Concentration, BA

The corporate communication concentration within the communication studies major allows students to focus on either public relations or organizational communication. Both areas within the concentration serve to foster a deeper understanding and practical application of communication knowledge and skills within for-profit, government and nonprofit organizations. Students will also focus attention on the implications of communication issues related to the impact of globalization, the implications of communication technology and demonstrate proficiency in communication management.

#### Grade Requirement

A grade of "C" or higher in all communications studies (COMM) course work contributing to the major is required of all students.

#### Required Courses

- COMM 221 Foundations of Communication
- COMM 222 Communication Studies Theory
- COMM 224 Communication Studies Research
- COMM 492 Seminar in Corporate Communication

Choose one course from the following (3 credits)

- COMM 226 Introduction to Public Relations
- COMM 303 Introduction to Organizational Communication

Choose four courses from the following (12 credits)

- COMM 312 Writing for Public Relations
- COMM 330 Business and Professional Communication
- COMM 337 Public Relations Theory
- COMM 341 Public Relations Case Studies
- COMM 353 Corporate Communications and Social Responsibility
- COMM 391 Public Relations Practicum
- COMM 470 Organizational Communication: Events Planning
- COMM 498 Internship in Communication (three credits only)
- COMM 499 Directed Study in Communication (one to three credits only)

Choose two courses from any communications studies (COMM) courses (6 credits)

One additional corporate communication course (any level) (3 credits)

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Communication Studies, Dance Education Concentration, BA

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 Courses

- DANC 255 Creative Dance I
- DANC 256 Creative Dance II
- DANC 260 World Dance
- DANC 263 Dance History to 1915
- DANC 264 Dance History from 1915
- DANC 353 Creative Dance for Children
- DANC 357 Dance Production Theory
- DANC 358 Dance Production Techniques
- DANC 452 Ballet Pedagogy
- DANC 453 Dance Methodology
- DANC 494 Seminar in Dance Education (Writing intensive course in the major - CWRM)
- DANP 281 Theory and Practice of Educational Dance

Three credits from the following (3 credits)

- THEA 399 Topical Studies
- THEA 497 Advanced Individual Projects
- THEA 498 Internship in Theater
- THEA 499 Directed Study in Theater

One of the following (3 credits)

- THEA 265 Stage Costuming
- THEA 272 Scenography I
- THEA 280 Theater Management

Two credits in (2 credits)

- DANC 155 Dance Practicum

One credit in one of the following (1 credit)

- THEA 170 Technical Theater Practicum
- THEA 172 Theater Costume Practicum

- THEA 185 Theater Management Practicum

#### Cognate Courses

- DANP 161 Folk Dance
- DANP 164 Square Dance
- DANP 168 Ballroom Dance
- DANP 237 Theory and Practice of Jazz Dance, Fall
- DANP 242 Theory and Practice of Ballet, Fall
- DANP 245 Theory and Practice of Ballet, Spring
- DANP 247 Theory and Practice of Jazz Dance, Spring
- DANP 248 Theory and Practice of Modern Dance, Fall
- DANP 249 Theory and Practice of Modern Dance, Spring
- DANP 271 Theory and Practice of Tap Dance

Total minimum credits: 58

#### 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.

- EDHM 210 Introduction to Teaching \*
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- EDHM 490 Teaching Practicum
- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

An appropriate "strategies for teaching" course (3 credits)

Note(s): \* 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 credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the "[Undergraduate Academic Programs](#)" section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the "[Undergraduate Academic Policies](#)" section of this catalog.

### Communication Studies, Individualized Concentration, BA

Students may work with their advisers to design, with the approval of the chairperson, an individualized concentration. The individualized concentration must include 36 credits from departmental course offerings.

#### Grade Requirement

A grade of "C" or higher in all communication studies (COMM) course work contributing to the major is required of all students.

#### Required Courses

- COMM 221 Foundations of Communication
- COMM 222 Communication Studies Theory
- COMM 224 Communication Studies Research

Choose two courses from the following (6 credits)

- COMM 226 Introduction to Public Relations
- COMM 229 Foundations of Media Studies
- COMM 250 Public Speaking

Choose one course from the following (3 credits)

- COMM 492 Seminar in Corporate Communication
- COMM 495 Communication Studies Seminar (Writing intensive course in the major – CWRM)
- COMM 496 Seminar in Media Studies and Communication Technologies (Writing intensive course in the major – CWRM)

Complete four additional communication studies (COMM) courses at the 300-400 level (12 credits)

Complete two additional communication studies (COMM) courses (6 credits)

Note(s): A combined maximum of six credits only may be applied to the concentration requirements if COMM 498 Internship in Communication (limited to three credits) or COMM 499 Directed Study in Communication (limited to one to three credits) is selected.

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the "[Undergraduate Academic Programs](#)" section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the "[Undergraduate Academic Policies](#)" section of this catalog.

## Communication Studies, Media Studies and Communication Technologies Concentration, BA

The Media Studies and Communication Technologies concentration introduces students to the theory and practice of the study of media as part of their communication studies major. Through advising, students have the ability to more deeply explore their particular area of interest. Students may select elective courses that focus on film and media studies, including courses on media history, theory and criticism; journalism, including news gathering and production across a range of media; or multimedia production, which offers a wide breadth of production opportunities, focusing on video but spanning from radio to new media.

### Grade Requirement

A grade of "C" or higher in all communication studies (COMM) course work is required of all students.

### Required Courses

- COMM 221 Foundations of Communication
- COMM 222 Communication Studies Theory
- COMM 224 Communication Studies Research
- COMM 229 Foundations of Media Studies
- COMM 311 Media Literacy
- COMM 496 Seminar in Media Studies and Communication Technologies (Writing intensive course in the major - CWRM)

Choose one course from the following (3 credits)

- COMM 215 Television Studio Production (Television Production I)
- COMM 225 Film as Communication
- COMM 240 Introduction to Journalism

Choose three courses from the following (9 credits)

- COMM 310 Film History: Western Cinema
- COMM 313 Media Law and Ethics
- COMM 335 News and Politics
- COMM 345 Writing for Radio and Television
- COMM 350 Documentary Film
- COMM 355 Images of Gender in Media
- COMM 366 Advanced Audio Production
- COMM 370 Screenwriting
- COMM 371 Global Cinema
- COMM 390 Television Direction (Documentary)
- COMM 397 Cyber Culture and Digital Media
- COMM 401 Film Theory and Criticism
- COMM 415 Advanced Television Production (Features)
- COMM 430 Topics in Film
- COMM 462 Patterns of International Communication
- COMM 498 Internship in Communication (three credits only)
- COMM 499 Directed Study in Communication (one to three credits only)

Choose two additional communications studies (COMM) courses (6 credits)

Total minimum credits: 36

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Communication Studies, Speech Communication Concentration, BA

The speech communication concentration within the communication studies major provides a broad perspective of communication knowledge and skills within interpersonal, group, social, national and international situations. Students who choose this concentration will become acutely aware of speech communication subjects such as interpersonal, group, gender, rhetoric, political and intercultural communication.

### Grade Requirement

A grade of "C" or higher in all communication studies (COMM) course work contributing to the major is required of all students.

### Required Courses

- COMM 221 Foundations of Communication
- COMM 222 Communication Studies Theory
- COMM 224 Communication Studies Research
- COMM 250 Public Speaking



- COMM 495 Communication Studies Seminar (Writing intensive course in the major – CWRM)

Choose one course from the following (3 credits)

- COMM 210 Voice and Diction
- COMM 260 Group Communication and Decision Making
- COMM 270 Interpersonal Communication

Choose 12 credits from the following (12 credits)

- COMM 305 Advanced Forensics Laboratory
- COMM 330 Business and Professional Communication
- COMM 349 Perspectives on the Holocaust  
or
- INTD 349 Perspectives on the Holocaust  
or
- PSYC 349 Perspectives on the Holocaust
- COMM 360 Argumentation and Advocacy
- COMM 361 Gender Communication
- COMM 362 American Public Address
- COMM 364 Political Communication  
or
- POLI 364 Political Communication
- COMM 365 Introduction to Intercultural Communication
- COMM 399 Topical Studies
- COMM 402 Interpersonal Conflict Resolution
- COMM 450 Persuasion
- COMM 498 Internship in Communication (three credits only)
- COMM 499 Directed Study in Communication (one to three credits only)

Choose two additional communications studies (COMM) courses (6 credits)

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Communication Studies, Theater Arts Concentration, BA

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.

#### Required Courses

- THEA 115 Play Production
- THEA 211 Voice Production for Theatre
- THEA 220 Play Analysis for Production
- THEA 242 Acting I
- THEA 280 Theater Management
- THEA 421 Theater History I
- THEA 422 Theater History II
- THEA 431 Directing I
- THEA 495 Seminar in Contemporary Theater

Three credits from the following (3 credits)

- THEA 157 Movement for the Actor
  - THEA 162 Costume Production
  - THEA 174 Technical Theater Production
- One of the following (3 credits)
- THEA 265 Stage Costuming
  - THEA 272 Scenography I

One theater elective (must be 300- or 400-level) (3 credits)

Each of the following practica:

- THEA 170 Technical Theater Practicum
- THEA 172 Theater Costume Practicum

- THEA 185 Theater Management Practicum

One additional practicum from above or

- THEA 140 Theater Performance Practicum

Required cognate (choose one of the following) (3 credits)

- 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: 42

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Communication Studies, Theater Education Concentration, BA

#### Required Courses

- THEA 115 Play Production
  - THEA 157 Movement for the Actor
  - THEA 211 Voice Production for Theatre
  - THEA 220 Play Analysis for Production
  - THEA 226 Children's Theater
  - THEA 230 Creative Dramatics
  - THEA 242 Acting I
  - THEA 272 Scenography I
  - THEA 280 Theater Management
  - THEA 326 Children's Theater Tour
  - THEA 421 Theater History I
- or
- THEA 422 Theater History II
  - THEA 430 Playwriting
  - THEA 431 Directing I

One credit each in (3 credits)

- THEA 170 Technical Theater Practicum
- THEA 172 Theater Costume Practicum
- THEA 185 Theater Management Practicum

#### Cognate Courses

- ENGL 253 Non-Western Literature
- ENGL 356 Modern American Drama

One course from the following (3 credits)

- 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: 51

#### 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 \*
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- EDHM 490 Teaching Practicum
- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

An appropriate “strategies for teaching” course (3 credits)



Note(s): \* 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 credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ COMPUTER SCIENCE

### Computer Science, BS

#### Grade Requirement

Not more than one grade in the "D" range ("D+", "D", "D-") among the four courses COMP 151, COMP 152, COMP 206 and COMP 330 shall be accepted in partial fulfillment of the requirements of 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.

#### Required Courses

- COMP 151 Computer Science I
- COMP 152 Computer Science II
- COMP 206 Introduction to Computer Organization
- COMP 330 Data Structures and Algorithms
- COMP 340 Organization of Programming Languages
- COMP 350 Operating Systems
- COMP 430 Computer Networks
- COMP 435 Analysis of Algorithms
- COMP 442 Object-Oriented Software Engineering
- COMP 470 Introduction to Artificial Intelligence
- MATH 120 Introduction to Linear Algebra
- MATH 130 Discrete Mathematics I
- MATH 151 Calculus I
- MATH 152 Calculus II
- MATH 200 Probability and Statistics

At least four elective courses must be selected from the following (12 credits)

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

- BIOL 121 General Biology I
- BIOL 122 General Biology II
- CHEM 131 Survey of Chemistry I
- CHEM 132 Survey of Chemistry II
- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- PHYS 181 Elements of Physics I
- PHYS 182 Elements of Physics II
- PHYS 243 General Physics I
- PHYS 244 General Physics II

Note(s): Any computer science major who has successfully completed COMP 152 will not be allowed to take COMP 100 or COMP 105 for academic credit.

Total minimum credits: 69

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ CRIMINAL JUSTICE

### Criminal Justice, BS

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; 5) Corrections; 6) Ethics; and 7) Research and Analytic Methods.

#### Required Courses

- CRJU 201 Introduction to Criminal Justice
- CRJU 202 Introduction to Crime Theory
- CRJU 331 Police, Community and Society
- CRJU 335 Criminal Law and the Courts
- CRJU 354 Corrections
- CRJU 406 Ethics and the Criminal Justice System
- CRJU 410 Applied Crime Theory in Criminal justice (Writing intensive course in the major - CWRM)
- CRJU 420 Research Methods in Criminal Justice
- CRJU 430 Analyzing Criminal Justice Data

#### One course from the following (3 credits)

- CRJU 358 Race, Class, Crime and Justice
- CRJU 369 Gender, Crime and Justice
- CRJU 388 Hate Crime
- CRJU 404 Media, Justice and Crime
- CRJU 425 Comparative Crime and Deviance

#### One course from the following (3 credits)

- CRJU 496 Seminar: Critical Issues in Crime and Justice
- CRJU 497 Research
- CRJU 498 Internship in Criminal Justice (only three credits will count toward the major)

#### Elective Requirements

##### Two courses from the following (6 credits)

- CRJU 213 The Juvenile Justice System
- CRJU 227 Deviance and Social Control
- CRJU 241 Women and Violence
- CRJU 255 Juvenile Delinquency
- CRJU 271 Crime Victims and the Political Process
- 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 334 White Collar Crime
- CRJU 339 Violence, Guns and Society
- CRJU 346 Criminal Procedure
- CRJU 347 Restorative Justice
- CRJU 358 Race, Class, Crime and Justice (if not taken above)
- CRJU 359 Technology and Crime Control
- CRJU 371 Sex Crime
- CRJU 381 Privatization in Criminal Justice
- CRJU 385 Victimology
- CRJU 388 Hate Crime (if not taken above)
- CRJU 399 Special Topics in Criminal Justice (3 credits only)
- CRJU 404 Media, Justice and Crime (if not taken above)
- CRJU 425 Comparative Crime and Deviance (if not taken above)
- CRJU 426 Ethnography and Crime Analysis
- CRJU 441 Homicide

- CRJU 485 Honors Thesis
- CRJU 499 Directed Study in Criminal Justice (6 credits)
- PSYC 269 Psychology of Criminal Behavior

#### Cognate Courses

One course from the following (3 credits)

- ECON 325 The Economy of Crime
- ECON 340 Law and Economics
- HEAL 405 Drugs in Society
- PHIL 222 Philosophy of Law
- PHIL 403 Ethics and Action
- POLI 285 Law and the Judicial Process
- 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 389 Racial Politics in the United States
- PSYC 269 Psychology of Criminal Behavior (if not taken as a criminal justice elective)
- PSYC 370 Abnormal Psychology
- PSYC 474 Forensic Psychology
- SOCI 228 Criminology
- SOCI 310 Women and Crime
- SOCI 313 Family Violence

Total minimum credits: 42

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Criminal Justice, Victimology Concentration, BS

This concentration allows criminal justice majors to develop knowledge in and the capacity to work with issues affecting crime victims. By gaining insight into the issues of victimization, students will gain an understanding of the theories and types of victimization, policies related to crime victims, the role of restorative justice in healing crime victims, and careers related to victim services.

#### Required Courses

- CRJU 201 Introduction to Criminal Justice
- CRJU 202 Introduction to Crime Theory
- CRJU 331 Police, Community and Society
- CRJU 335 Criminal Law and the Courts
- CRJU 354 Corrections
- CRJU 406 Ethics and the Criminal Justice System
- CRJU 410 Applied Crime Theory in Criminal justice
- CRJU 420 Research Methods in Criminal Justice
- CRJU 430 Analyzing Criminal Justice Data

#### Senior Project (3 credits)

Choose one of the following courses

- CRJU 496 Seminar: Critical Issues in Crime and Justice
- CRJU 497 Research
- CRJU 498 Internship in Criminal Justice

#### Additional Course Requirements

- CRJU 271 Crime Victims and the Political Process
- CRJU 347 Restorative Justice
- CRJU 385 Victimology

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

Total minimum credits: 39

## ■ Early Childhood Education

### Early Childhood Education, Early Childhood, BSE

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 must be taken prior to official acceptance into a professional education program.

The Commonwealth of Massachusetts requires three Massachusetts Tests for Educator Licensure® (MTEL) for Early Childhood PreK-K (public school) licensure: Communication and Literacy, Early Childhood and the Foundations of Reading. 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 primary level (grades 1 or 2). 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 university 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.

#### Requirements

- ECED 230 The Basics of Early Childhood Education
- ECED 280 Creative Techniques in Early Childhood
- ECED 311 Science and Social Studies Inquiry for the Young Child
- ECED 332 Reading Development for the Young Child
- ECED 342 Language Arts for the Young Child (Writing intensive course in the major - CWRM)
- ECED 352 Developmental Mathematics for the Young Child
- ECED 361 Creating an Effective Early Childhood Environment
- ECED 496 Supervised Teaching in Public Schools: Early Childhood (6 credits)
- ECED 497 Supervised Teaching in an Integrated Early Childhood Setting (6 credits)

Note(s):\* To be completed prior to admission to professional education and enrollment in upper-division education courses

#### Additional Requirements

- ELED 120 Child Study in the Early Childhood and Elementary Education Classroom
- or
- PSYC 224 Child Psychology
- SPED 203 Cultural Diversity Issues in School and Society
- SPED 211 The Early Childhood Learner with Special Needs

Total minimum credits: 42

### Early Childhood Education, Early Education and Care (PreK-K) (Non-Public School Licensure) Concentration, BSE

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 6. Students are provided with professional preparation in understanding the developmental stages of very 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 Educator 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

- ECED 230 The Basics of Early Childhood Education
- ECED 280 Creative Techniques in Early Childhood
- ECPK 320 Language Development and Early Literacy (PreK-K)
- ECPK 321 Project-Based, Standards-Rich Learning in Early Childhood (PreK-K)
- ECPK 322 Observation and Assessment in Early Childhood (PreK-K)
- ECPK 323 Managing Positive Environments for Children (PreK-K)
- ECPK 490 Mentored Program Observation, PreK-K (Writing intensive course in the major – CWRM)
- ECPK 491 Mentored Performance Fieldwork I (PreK-K)
- ECPK 492 Mentored Performance Fieldwork II (PreK-K) (6 credits)

### Choose one of the following (3 credits)

- COMM 365 Introduction to Intercultural Communication
- PSYC 230 Cross-Cultural Psychology
- SCWK 334 Intervention with Family Systems
- SOCI 203 The Family

### Additional Requirements

- ELED 120 Child Study in the Early Childhood and Elementary Education Classroom  
or
- PSYC 224 Child Psychology
- SPED 203 Cultural Diversity Issues in School and Society
- SPED 211 The Early Childhood Learner with Special Needs

Total minimum credits: 42

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ EARTH SCIENCES

### Earth Sciences, BA

#### Grade Requirement

A minimum grade of C- or better is required in all earth science courses and cognates to fulfill the requirements of this program.

#### Earth Science Core Courses

- EASC 100 Physical Geology
- EASC 101 Historical Geology
- EASC 250 Geomorphology
- EASC 260 Mineralogy
- EASC 350 Structural Geology
- EASC 360 Petrology (Writing intensive course in the major – CWRM).
- EASC 370 Sedimentology and Stratigraphy
- EASC 470 Paleontology

#### Earth Science Electives

Two earth science courses at the 200, 300, or 400 level (6 credits)

Note(s): An overall maximum of six credits from EASC 497, EASC 498 and EASC 499 may be applied toward this requirement. EASC 298 and EASC 299 Second Year Seminars and EASC 496 Seminar in Geology may not be applied toward this requirement.

#### Additional Requirements

- MATH 100 Precalculus Mathematics (or equivalent passing score on the mathematics placement test)

Two semesters of chemistry, physics, biology or earth science laboratory science courses (8 credits)

Total minimum credits: 49

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Earth Sciences, BS

### Grade Requirement

Not more than one "D" for the required earth science core or elective courses shall be accepted to fulfill the requirements of this program.

### Earth Science Core Courses

- EASC 100 Physical Geology
- EASC 101 Historical Geology
- EASC 250 Geomorphology
- EASC 260 Mineralogy
- EASC 350 Structural Geology
- EASC 360 Petrology (Writing intensive course in the major – CWRM)
- EASC 370 Sedimentology and Stratigraphy
- EASC 470 Paleontology

### Earth Science Electives

Four earth science elective courses at the 200, 300, or 400 level. (12 credits) (One of these courses may be GEOG 221)

### Cognate Requirements

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- PHYS 181 Elements of Physics I
- PHYS 182 Elements of Physics II
- or
- PHYS 243 General Physics I
- PHYS 244 General Physics II
- MATH 141 Elements of Calculus I
- MATH 142 Elements of Calculus II
- or
- MATH 151 Calculus I
- MATH 152 Calculus II

Total minimum credits: 66

Note(s): It is strongly recommended that secondary education students in earth sciences select the following four courses to meet the elective requirements in this program: GEOG 221 Meteorology, EASC 210 Oceanography, EASC 215 Solar System Astronomy and EASC 240 Hydrology. The content of these courses is an integral part of the Massachusetts Test for Educator Licensure® (MTEL) in Earth Sciences.

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Earth Sciences, Environmental Geosciences Concentration, BS

This concentration is designed to provide students with a fundamental understanding of earth processes as well as the specific tools 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.

### Grade Requirement

A minimum grade of "C-" is required in the core courses and the cognates to fulfill the requirements of the program.

### Requirements

- EASC 100 Physical Geology
- EASC 101 Historical Geology
- EASC 240 Hydrology
- EASC 250 Geomorphology
- EASC 260 Mineralogy
- EASC 350 Structural Geology
- EASC 360 Petrology (Writing intensive course in the major - CWRM)
- EASC 370 Sedimentology and Stratigraphy

Plus three other earth science courses at the 200, 300 or 400 level selected with the written concurrence of the adviser. Other courses may be added or approved as substitutes with approval of the adviser (9 credits)



Minimum cognate requirements include

- CHEM 141 Chemical Principles I
  - CHEM 142 Chemical Principles II
  - MATH 141 Elements of Calculus I
  - MATH 142 Elements of Calculus II
- or
- MATH 151 Calculus I
  - MATH 152 Calculus II
  - PHYS 181 Elements of Physics I
  - PHYS 182 Elements of Physics II
- or
- PHYS 243 General Physics I
  - PHYS 244 General Physics II
- or
- Two approved biology courses

Students are also encouraged to take the following courses

- BIOL 117 Environmental Biology
- BIOL 225 General Ecology
- BIOL 327 Wetlands Ecology
- CHEM 343 Organic Chemistry I
- CHEM 344 Organic Chemistry II

Total minimum credits: 63

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Earth Sciences, Geology Concentration, BS

#### Grade Requirement

Not more than one "D" for an Earth Science (EASC) course shall be accepted to fulfill the requirements for this program.

#### Earth Sciences Core Courses

- EASC 100 Physical Geology
- EASC 101 Historical Geology
- EASC 250 Geomorphology
- EASC 260 Mineralogy
- EASC 350 Structural Geology
- EASC 360 Petrology (Writing intensive course in the major - CWRM)
- EASC 370 Sedimentology and Stratigraphy
- EASC 470 Paleontology

#### Additional Earth Science Courses

- EASC 240 Hydrology
  - EASC 450 Geochemistry
- or
- EASC 460 Geophysics
  - EASC 490 Field Methods in Geology

#### Earth Science Elective

Any other earth science course at or above EASC 450 (3 credits)

#### Cognate Courses

- CHEM 141 Chemical Principles I
  - CHEM 142 Chemical Principles II
  - PHYS 181 Elements of Physics I
  - PHYS 182 Elements of Physics II
- or
- PHYS 243 General Physics I
  - PHYS 244 General Physics II
  - MATH 141 Elements of Calculus I
  - MATH 142 Elements of Calculus II

or

- MATH 151 Calculus I
- MATH 152 Calculus II

Total minimum credits: 69

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ ECONOMICS

### Economics, BS

The major in economics is a comprehensive program that 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

- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 201 Intermediate Microeconomic Theory and Policy
- ECON 205 Intermediate Macroeconomic Theory and Policy
- ECON 210 Statistics for Economics and Business

Plus five 300-level or higher economics courses (15 credits)

Total minimum credits: 30

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ ELEMENTARY EDUCATION

### Elementary Education, BSE

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 required education course in which students can enroll prior to official acceptance into a professional education program.

The Commonwealth of Massachusetts requires three Massachusetts Tests for Educator Licensure® (MTEL) for Elementary licensure: Communication and Literacy, General Curriculum (Elementary) and the Foundations of Reading. 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 university 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 Elementary and Secondary Education and includes licensure reciprocity with signatory states under the Interstate Certification Compact.

The following courses are required to complete the elementary education major.

#### Requirements

- ENGL 254 Literature for Elementary Education Majors



- GEOG 151 Human Geography
- HIST 131 World History to 1500
- HIST 221 United States History and Constitutions to 1865
- MATH 112 Mathematics for Elementary Teachers I
- MATH 113 Mathematics for Elementary Teachers II
- MATH 114 Mathematics for Elementary Teachers III
- POLI 172 Introduction to American Government
- ELED 120 Child Study in the Early Childhood and Elementary Education Classroom  
or
- PSYC 224 Child Psychology

Note(s): Some of the required courses listed above also fulfill certain Core Curriculum Requirements.

#### Requirements

- \* ELED 220 Introduction to Elementary Education
- ELED 300 Elementary Art Methods
- ELED 310 Teaching Science and Social Studies in the Elementary School
- ELED 330 Teaching Reading in the Elementary School
- ELED 340 Teaching Language Arts in the Elementary School (Writing intensive course in the major - CWRM)
- ELED 350 Teaching Mathematics in the Elementary School
- ELED 360 Teaching in a Standards-Based, Inclusive Elementary Classroom
- ELED 492 Supervised Teaching in Public Schools: Elementary (12 credits)

Note(s): \* To be completed prior to admission to professional education and enrollment in upper-division education courses.

Total minimum credits: 57.5

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ ELEMENTARY EDUCATION/MASTER OF EDUCATION

### Elementary Education, Dual Licensure Concentration, BSE Special Education, Teacher of Students with Moderate Disabilities (PreK-8), Med

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 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.

#### Cognate Requirements

- ENGL 254 Literature for Elementary Education Majors
- GEOG 151 Human Geography
- HIST 131 World History to 1500
- HIST 221 United States History and Constitutions to 1865
- MATH 112 Mathematics for Elementary Teachers I
- MATH 113 Mathematics for Elementary Teachers II
- MATH 114 Mathematics for Elementary Teachers III
- POLI 172 Introduction to American Government
- PSYC 224 Child Psychology  
or
- ELED 120 Child Study in the Early Childhood and Elementary Education Classroom

Note(s): Some of the required courses listed above also fulfill certain Core Curriculum Requirements.

#### Additional undergraduate program requirements

- \* SPED 202 Introduction to Special Education
- ELED 310 Teaching Science and Social Studies in the Elementary School

- ELED 330 Teaching Reading in the Elementary School
- ELED 340 Teaching Language Arts in the Elementary School (Writing intensive course in the major – CWRM)
- ELED 350 Teaching Mathematics in the Elementary School
- ELED 360 Teaching in a Standards-Based, Inclusive Elementary Classroom  
or
- SPED 217 Meeting the Needs of All Learners
- ELED 492 Supervised Teaching in Public Schools: Elementary (6 credits)
- SPED 404 Student Teaching Practicum: Inclusion Program (PreK-8) (6 credits)

Note(s): \* To be completed prior to admission to professional education and enrollment in upper-division education courses.

Total minimum undergraduate credits: 57

#### Graduate Program Requirements

Students must complete the following courses.

- EDMC 530 The Teacher as Researcher
- SPED 501 Professional Practices in Special Education
- SPED 504 Applied Curriculum Development for Learners with Special Needs: PreK-8
- SPED 517 Language Skills for Special Needs Learners
- SPED 518 Reading Strategies in Special Education
- SPED 530 Assessment Procedures in Special Education
- SPED 550 Seminar in Special Education
- SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction
- SPED 575 Behavior Interventions in Special Education
- SPED 594 Practicum: Moderate Disabilities (PreK-8) (6 or 12 credits)

Total minimum graduate credits: 33

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ ENGLISH

### English, BA

#### Grade Requirement

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.

#### Required Courses

- ENGL 203 Writing About Literature
- ENGL 223 Survey of British Literature to 1800
- ENGL 234 Survey of American Literature

Complete one course in pre-1800 British literature from the following (3 credits)

- ENGL 314 Medieval English Literature
- 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 17<sup>th</sup>-Century Literature
- ENGL 380 Milton

Complete one course in post-1800 British literature from the following (3 credits)

- ENGL 312 Modern British Fiction

- ENGL 350 Recent British Fiction
- ENGL 354 20th-Century British Drama
- ENGL 361 The English Novel II
- ENGL 365 Victorian Prose and Poetry
- 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

Complete one course in American literature from the following (3 credits)

- 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 19<sup>th</sup> Century I
- ENGL 332 U.S. Literature in the 19<sup>th</sup> 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

Complete one Senior Seminar from the following (3 credits)

Note(s): Each of these courses also fulfills the writing intensive course in the major 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

Electives (15 credits)

Complete five additional 200-level or above elective courses in English (ENGL). At least two courses must be at the 300 level or above.

Note(s): Topical courses may fulfill some of the above requirements with the consent of the department chairperson. Topics will be announced prior to registration.

Total minimum credits: 36

**Core Curriculum Requirements**

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## English, English Education (High School, Middle School) Concentration, BA

The English education concentration is designed for students who wish to pursue a career as a middle or high school English teacher. The concentration partially fulfills the requirements for the Massachusetts Initial Teacher Licensure, grades 5-8 or grades 8-12. Students seeking licensure must also complete a minor in Secondary Education. Students should also refer to the [“Department of Secondary Education and Professional Programs”](#) section of this catalog for specific licensure and minor requirements. The English education concentration fulfills all of the requirements of the English major.

**Grade Requirement**

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.

**Required Courses**

- ENGL 203 Writing About Literature
- ENGL 223 Survey of British Literature to 1800
- ENGL 234 Survey of American Literature

- ENGL 301 Writing and the Teaching of Writing

Complete one course in classical literature from the following (3 credits)

- ENGL 211 Literary Classics of Western Civilization to 1600
- ENGL 214 The Classical Tradition

Complete one course in language and linguistics from the following (3 credits)

- ENGL 305 History of the English Language
- ENGL 323 Introduction to Linguistics
- ENGL 324 Language in Context

Complete one course in Shakespeare from the following (3 credits)

- ENGL 342 Shakespeare: Histories and Comedies
- ENGL 343 Shakespeare: Tragedies and Late Plays

Complete one course in culturally diverse literatures from the following (3 credits)

- ENGL 253 Non-Western Literature
- ENGL 255 East Asian Literature in Translation
- ENGL 315 Ethnic American Literature
- ENGL 317 African-American Literature I
- ENGL 318 African-American Literature II

Complete one course in modern British literature from the following (3 credits)

- ENGL 312 Modern British Fiction
- ENGL 350 Recent British Fiction
- ENGL 354 20<sup>th</sup>-Century British Drama
- 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

Complete one course in American literature from the following (3 credits)

- ENGL 309 Early American Literature, Beginnings to 1820
- ENGL 329 Modern American Fiction
- ENGL 330 Recent American Fiction
- ENGL 331 U.S. Literature in the 19<sup>th</sup> Century I
- ENGL 332 U.S. Literature in the 19<sup>th</sup> Century II
- ENGL 333 Realism and Naturalism
- ENGL 346 Southern Literature
- ENGL 356 Modern American Drama
- ENGL 394 Modern American Poetry
- ENGL 395 Studies in Recent American Poetry

Choose one Senior Seminar from the following (3 credits)

Note(s): Each of these seminar courses also fulfills the writing intensive course in the major (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

Complete one elective English (ENGL) course (3 credits)

Complete the following cognate course (3 credits)

- LIBR 420 Literature for Young Adults

Note(s): Topical courses may fulfill some of these requirements with consent of the department chairperson. Topics will be announced prior to registration.

Total minimum credits: 39

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgewater.edu/corecurriculum](http://www.bridgewater.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## English, Writing Concentration, BA

The writing concentration is designed to offer a student supervised writing throughout the university career. Students may select courses which emphasize applied writing (technical and business writing), creative writing or the teaching of writing.

### Grade Requirement

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.

As part of the 36 credits required for the major, students take 12 credits in the writing concentration.

### Requirements

- ENGL 489 Advanced Portfolio Workshop

Nine additional credit hours in English electives chosen from the following (9 credits)

- 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 372 Advanced Fiction Writing Workshop
- ENGL 389 Topics in Writing
- ENGL 390 Theories in Writing
- ENGL 392 Advanced Poetry Writing Workshop
- ENGL 396 Rhetoric and Style
- ENGL 498 Internship in English

Note(s): Topical courses may fulfill some of the above requirements. Topics will be announced prior to registration.

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 Department of English. A maximum of three credits in ENGL 498 Internship in English may be applied to the 18 elective credits required of the major.

Total minimum credits: 36

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ GEOGRAPHY

### Geography, BA

A major or minor in geography can provide a student with a way to examine the world with objectivity. Students can be trained to analyze the water-use and land-use opportunities in their communities, to understand the interrelated systems that 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 University graduates have found employment as planners, environmental analysts, teachers, market researchers, cartographers and administrators. Many of the 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, Amey or Boellstorff—to discuss the program.

### Required Courses

- GEOG 121 Physical Geography
- GEOG 151 Human Geography
- GEOG 213 Geographic Information Systems (GIS) I
- GEOG 290 Introduction to Geographic Analysis
- GEOG 490 Seminar in Geography (Writing intensive course in the major - CWRM)

- MATH 110 Elementary Statistics I

Any regional geography course (3 credits)

- GEOG 374 Geography of the Middle East
- GEOG 375 Geography of South Asia
- GEOG 376 Geography of East Asia
- GEOG 380 Geography of Russia/C.I.S.
- GEOG 381 Geography of Latin America
- GEOG 382 Geography of Europe
- GEOG 383 Geography of the United States
- GEOG 386 Geography of Canada
- GEOG 388 Geography of Africa

Program Electives (12 credits)

Complete any four additional courses chosen, in consultation with their advisers, from the following list

- GEOG 221 Meteorology
- GEOG 222 Climatology
- GEOG 314 Satellite Image Processing Applications to the Environment
- GEOG 315 Quantitative Geography
- GEOG 317 Air Photo Interpretation — Remote Sensing
- GEOG 321 Meteorology II
- GEOG 322 Biogeography
- GEOG 323 Water Resources
- GEOG 324 Earth Surface Processes
- GEOG 331 Geography of Environmental Problems
- GEOG 332 Management and Preservation of the Natural Environment
- GEOG 333 Geography of Environmental Justice
- GEOG 340 Geography Materials and Methods
- GEOG 350 Economic Geography
- GEOG 353 Urban Geography
- GEOG 354 Field Methods in Urban Geography
- GEOG 355 Political Geography
- GEOG 363 Locational Analysis
- GEOG 365 Geography of Transportation
- GEOG 374 Geography of the Middle East
- GEOG 375 Geography of South Asia
- GEOG 376 Geography of East Asia
- GEOG 380 Geography of Russia/C.I.S.
- GEOG 381 Geography of Latin America
- GEOG 382 Geography of Europe
- GEOG 383 Geography of the United States
- GEOG 386 Geography of Canada
- GEOG 388 Geography of Africa
- GEOG 400 Special Topics in Geography
- GEOG 413 Geographic Information Systems (GIS) II
- GEOG 422 Online Weather Studies
- GEOG 431 Environmental Regulations
- GEOG 441 Geographic Frameworks
- GEOG 462 Principles of Urban Planning
- GEOG 463 Applications in Urban Planning
- GEOG 497 Undergraduate Research in Geography
- GEOG 498 Internship in Geography or Planning
- GEOG 499 Directed Study in Geography

Additional Courses (6 credits)

- GEOG 340 Geography Materials and Methods
- GEOG 441 Geographic Frameworks

Total minimum credits: 39



## ■ GEOGRAPHY, BS

A major or minor in geography can provide a student with a way to examine the world with objectivity. Students can be trained to analyze the water-use and land-use opportunities in their communities, to understand the interrelated systems that 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 University graduates have found employment as planners, environmental analysts, teachers, market researchers, cartographers and administrators. Many of the 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, Amey or Boellstorff—to discuss the program.

### Required Courses

- GEOG 121 Physical Geography
- GEOG 151 Human Geography
- GEOG 213 Geographic Information Systems (GIS) I
- GEOG 290 Introduction to Geographic Analysis
- GEOG 490 Seminar in Geography (Writing intensive course in the major - CWRM)
- MATH 110 Elementary Statistics I

### Any regional geography course (3 credits)

- GEOG 374 Geography of the Middle East
- GEOG 375 Geography of South Asia
- GEOG 376 Geography of East Asia
- GEOG 380 Geography of Russia/C.I.S.
- GEOG 381 Geography of Latin America
- GEOG 382 Geography of Europe
- GEOG 383 Geography of the United States
- GEOG 386 Geography of Canada
- GEOG 388 Geography of Africa

### Additional Courses (6 credits)

- GEOG 315 Quantitative Geography
- GEOG 413 Geographic Information Systems (GIS) II

Students seeking a BS in Geography are strongly encouraged to complete

- GEOG 498 Internship in Geography or Planning

### Program Electives (12 credits)

Complete any four additional courses chosen, in consultation with their advisers, from the following list

- GEOG 221 Meteorology
- GEOG 222 Climatology
- GEOG 314 Satellite Image Processing Applications to the Environment
- GEOG 315 Quantitative Geography
- GEOG 317 Air Photo Interpretation — Remote Sensing
- GEOG 321 Meteorology II
- GEOG 322 Biogeography
- GEOG 323 Water Resources
- GEOG 324 Earth Surface Processes
- GEOG 331 Geography of Environmental Problems
- GEOG 332 Management and Preservation of the Natural Environment
- GEOG 333 Geography of Environmental Justice
- GEOG 340 Geography Materials and Methods
- GEOG 350 Economic Geography
- GEOG 353 Urban Geography
- GEOG 354 Field Methods in Urban Geography
- GEOG 355 Political Geography
- GEOG 363 Locational Analysis
- GEOG 365 Geography of Transportation
- GEOG 374 Geography of the Middle East
- GEOG 375 Geography of South Asia
- GEOG 376 Geography of East Asia
- GEOG 380 Geography of Russia/C.I.S.
- GEOG 381 Geography of Latin America



- GEOG 382 Geography of Europe
- GEOG 383 Geography of the United States
- GEOG 386 Geography of Canada
- GEOG 388 Geography of Africa
- GEOG 400 Special Topics in Geography
- GEOG 413 Geographic Information Systems (GIS) II
- GEOG 422 Online Weather Studies
- GEOG 431 Environmental Regulations
- GEOG 441 Geographic Frameworks
- GEOG 462 Principles of Urban Planning
- GEOG 463 Applications in Urban Planning
- GEOG 497 Undergraduate Research in Geography
- GEOG 498 Internship in Geography or Planning
- GEOG 499 Directed Study in Geography

Total minimum credits: 39

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ HEALTH STUDIES

### Health Studies, BS

Health studies 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 studies graduates work in schools, public health agencies, voluntary nonprofit organizations, hospitals, colleges and universities, business and industries.

The health studies major is designed to guide students through 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 studies 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 ["Department of Secondary Education and Professional Programs"](#) section of this catalog.

#### Grade Requirement

Students must achieve a grade of "C-" or higher in all required courses, including cognates, and must repeat any of those required courses or cognates for which they receive a grade lower than "C-."

#### Core Health Courses

- HEAL 200 Principles and Practices of Health Education
- HEAL 315 School and Community Health
- HEAL 385 Epidemiology: The Study of Diseases
- HEAL 450 Health Promotion Strategies
- HEAL 451 Program Planning in Health Promotion
- HEAL 490 Senior Seminar in Health Education

#### Cognate Courses

- BIOL 251 Human Anatomy and Physiology I
- BIOL 252 Human Anatomy and Physiology II

#### Health Courses

Choose five from the following (15 credits)

- HEAL 401 Human Sexuality
- HEAL 405 Drugs in Society
- HEAL 407 Stress Management
- HEAL 420 Women's Health Issues
- HEAL 471 Nutrition
- HEAL 477 Environmental and Consumer Health
- HEAL 484 Death and Dying Education

Total minimum credits: 39

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Health Studies, Community Health Concentration, BS

### Grade Requirement

Students must achieve a grade of "C-" or higher in all required courses, including cognates, and must repeat any of those required courses or cognates for which they receive a grade lower than "C-."

### Core Health Courses

- HEAL 200 Principles and Practices of Health Education
- HEAL 315 School and Community Health
- HEAL 385 Epidemiology: The Study of Diseases
- HEAL 450 Health Promotion Strategies
- HEAL 451 Program Planning in Health Promotion
- HEAL 490 Senior Seminar in Health Education

### Cognate Courses

- BIOL 251 Human Anatomy and Physiology I
- BIOL 252 Human Anatomy and Physiology II
- ENGL 201 Technical Writing I

### Health Courses

- HEAL 102 Health and Wellness
- HEAL 452 Evaluation and Research in Health Promotion

Also, four courses from the following (12 credits)

- HEAL 401 Human Sexuality
- HEAL 405 Drugs in Society
- HEAL 407 Stress Management
- HEAL 420 Women's Health Issues
- HEAL 471 Nutrition
- HEAL 477 Environmental and Consumer Health
- HEAL 484 Death and Dying Education

### Internship

- HEAL 498 Field Experience in Health (9 credits)

Total minimum credits: 54

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Health Studies, School Health Concentration, BS

### Grade Requirement

Students must achieve a grade of "C-" or higher in all required courses, including cognates, and must repeat any of those required courses or cognates for which they receive a grade lower than "C-."

### Core Health Courses

- HEAL 200 Principles and Practices of Health Education
- HEAL 315 School and Community Health
- HEAL 385 Epidemiology: The Study of Diseases
- HEAL 450 Health Promotion Strategies
- HEAL 451 Program Planning in Health Promotion
- HEAL 490 Senior Seminar in Health Education

### Cognate Courses

- PSYC 227 Developmental Psychology
- BIOL 251 Human Anatomy and Physiology I
- BIOL 252 Human Anatomy and Physiology II
- PHED 200 Fitness for Life

### Health Content Courses

- HEAL 300 Current Issues in Health

- HEAL 401 Human Sexuality
- HEAL 405 Drugs in Society
- HEAL 407 Stress Management
- HEAL 471 Nutrition
- HEAL 477 Environmental and Consumer Health

#### Education Courses

- EDHM 210 Introduction to Teaching
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- SPED 203 Cultural Diversity Issues in School and Society
- HEAL 491 Field Based Pre-Practicum in Health
- HEAL 495 Practicum in Student Teaching – Elementary Health (Health/Family and Consumer Science)
- HEAL 496 Practicum in Student Teaching-Secondary Health (Health/Family and Consumer Science)

Note(s): Students in the School Health Concentration must complete a minor in secondary education.

Total minimum credits: 77

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ HISTORY

### History, BA

#### Grade Requirement

No grade lower than a “C-” in a history (HIST) course may be used to fulfill the requirements of 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

- HIST 221 United States History and Constitutions to 1865
- HIST 222 United States History and Constitutions since 1865

#### One course from the following (3 credits)

- HIST 111 Western Civilization to the Reformation
- HIST 131 World History to 1500

#### One course from the following (3 credits)

- HIST 112 Western Civilization since the Reformation
- HIST 132 World History since 1500

#### One course taken from each of the following areas (18 credits)

- 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 electives (6 credits)

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.

Note(s): 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.

#### One course from the following (3 credits)

- HIST 495 Undergraduate History Colloquium (Writing intensive course in the major – CWRM)
- or
- HIST 496 Undergraduate History Seminar

Students may use these courses to meet area requirements.

Only six credits of 100-level and six credits of 200-level courses may be applied toward the history major.

No more than three credits from the following courses may be used toward the 36 credits required for a history major.

- HIST 498 Internship in History
- HIST 499 Directed Study in History

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Undergraduate History 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 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 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  
HIST 437 European National Histories: France
- HIST 439 Topics in Non-United States History (when appropriate)
- HIST 495 Undergraduate History Colloquium (when appropriate) (Writing intensive course in the major - CWRM)

### Area IV - Modern Europe

- HIST 426 British Empire and Commonwealth since 1815
- HIST 427 The British Atlantic World: 1500-1800
- HIST 429 The French Revolution and the Napoleonic Era
- HIST 430 19<sup>th</sup>-Century Europe
- HIST 431 20<sup>th</sup>-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) (Writing intensive course in the major - CWRM)

### Area V - United States History to 1877

- HIST 427 The British Atlantic World: 1500-1800
- 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) (Writing intensive course in the major - CWRM)

#### Area VI - United States History since 1877

- HIST 440 Topics in United States History (when appropriate)
- 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
- 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) (Writing intensive course in the major - CWRM)

#### Area VII - The Traditional World

- HIST 400 The Ancient World: Near East
- HIST 410 Latin American Women and Gender History
- 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) (Writing intensive course in the major - CWRM)

#### Area VIII - Modern World

- HIST 410 Latin American Women and Gender History
- 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 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) (Writing intensive course in the major - CWRM)

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 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 (Writing intensive course in the major)
- 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

## History, BA/Middle School or High School Education Minor

### History (Teacher of History Grades 5-8)

#### Grade Requirement

No grade lower than a "C-" in a history (HIST) course may be used to fulfill the requirements of 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 credits)

- HIST 221 United States History and Constitutions to 1865
- HIST 222 United States History and Constitutions since 1865

Note(s): The methods course requirement of all candidates seeking licensure as a teacher of history, grades 5-8 is MSSED 450

Strategies of Teaching History/Political Science in the Middle School

One course from the following (3 credits)

- HIST 111 Western Civilization to the Reformation
- HIST 131 World History to 1500
- One course from the following (3 credits)
- HIST 112 Western Civilization since the Reformation
- HIST 132 World History since 1500

One course taken from each of the following areas (18 credits)

- 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(s): 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 credits)

One course from the following (3 credits)

- HIST 495 Undergraduate History Colloquium (Writing intensive course in the major – CWRM)
- or
- HIST 496 Undergraduate History Seminar

Students may use these courses to meet area requirements.

Only six credits of 100-level and six credits of 200-level courses may be applied toward the history major.

No more than three credits from the following courses may be used toward the 36 credits required for a history major.

- HIST 498 Internship in History
- HIST 499 Directed Study in History

Total minimum credits: 69



## History (Teacher of History Grades 8-12)

### Grade Requirement

No grade lower than a "C-" in a history (HIST) course may be used to fulfill the requirements of 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 credits)

- HIST 221 United States History and Constitutions to 1865
- HIST 222 United States History and Constitutions since 1865

Note(s): 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 the following (3 credits)

- HIST 111 Western Civilization to the Reformation
- HIST 131 World History to 1500

One course from the following (3 credits)

- HIST 112 Western Civilization since the Reformation
- HIST 132 World History since 1500

One course taken from each of the following areas (18 credits)

- 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(s): 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, U.S.A) (6 credits)

One of the following courses (3 credits)

- HIST 495 Undergraduate History Colloquium (Writing intensive course in the major – CWRM)
- or
- HIST 496 Undergraduate History Seminar

Students may use these courses to meet area requirements.

Only six credits of 100-level and six credits of 200-level courses may be applied toward the history major.

No more than three credits from the following may be used toward the 36 credits for a history major.

- HIST 498 Internship in History
- HIST 499 Directed Study in History

Total minimum credits: 69

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Undergraduate History 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 131 World History to 1500
- HIST 132 World History since 1500
- INTD 211 History and Literature of Western Civilization

### 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 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
- HIST 437 European National Histories: France
- HIST 439 Topics in Non-United States History (when appropriate)
- HIST 495 Undergraduate History Colloquium (when appropriate) (Writing intensive course in the major - CWRM)

#### Area IV - Modern Europe

- HIST 426 British Empire and Commonwealth since 1815
- HIST 427 The British Atlantic World: 1500-1800
- HIST 429 The French Revolution and the Napoleonic Era
- HIST 430 19<sup>th</sup>-Century Europe
- HIST 431 20<sup>th</sup>-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) (Writing intensive course in the major - CWRM)

#### Area V - United States History to 1877

- HIST 427 The British Atlantic World: 1500-1800
- 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) (Writing intensive course in the major - CWRM)

#### Area VI - United States History since 1877

- HIST 440 Topics in United States History (when appropriate)
- 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
- 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) (Writing intensive course in the major - CWRM)

#### Area VII - The Traditional World

- HIST 400 The Ancient World: Near East
- HIST 410 Latin American Women and Gender History
- 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) (Writing intensive course in the major - CWRM)

#### Area VIII - Modern World

- HIST 410 Latin American Women and Gender History
- 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 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) (Writing intensive course in the major - CWRM)

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 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 (Writing intensive course in the major)
- 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

### History, Military History Concentration, BA

All history majors with a military concentration must meet all the requirements of the history major. Specific course content areas are noted below.

#### Grade Requirement

No grade lower than a "C-" in a history (HIST) course may be used to fulfill the requirements of 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

- HIST 221 United States History and Constitutions to 1865

- HIST 222 United States History and Constitutions since 1865

One course from the following (3 credits)

- HIST 111 Western Civilization to the Reformation
- HIST 131 World History to 1500

One course from the following (3 credits)

- HIST 112 Western Civilization since the Reformation
- HIST 132 World History since 1500

One course taken from each of the following areas (one course of each grouping must be in military history) (18 credits)

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(s): 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.

Two upper division (300 and 400 level) military history electives, which must be taken in different geographical areas (World, Europe, U.S.A) (6 credits)

One course from the following (3 credits)

- HIST 495 Undergraduate History Colloquium (Writing intensive course in the major – CWRM)  
or
- HIST 496 Undergraduate History Seminar

Students may use these courses to meet area requirements.

Only six credits of 100-level and six credits of 200-level courses may be applied toward the history major.

No more than three credits from the following may be use toward the 36 credits required for the history major.

- HIST 498 Internship in History
- HIST 499 Directed Study in History

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Undergraduate History 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 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 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  
HIST 437 European National Histories: France
- HIST 439 Topics in Non-United States History (when appropriate)

- HIST 495 Undergraduate History Colloquium (when appropriate) (Writing intensive course in the major - CWRM)
- Area IV - Modern Europe**
- HIST 426 British Empire and Commonwealth since 1815
  - HIST 427 The British Atlantic World: 1500-1800
  - HIST 429 The French Revolution and the Napoleonic Era
  - HIST 430 19<sup>th</sup>-Century Europe
  - HIST 431 20<sup>th</sup>-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) (Writing intensive course in the major - CWRM)
- Area V - United States History to 1877**
- HIST 427 The British Atlantic World: 1500-1800
  - 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) (Writing intensive course in the major - CWRM)
- Area VI - United States History since 1877**
- HIST 440 Topics in United States History (when appropriate)
  - 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
  - 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) (Writing intensive course in the major - CWRM)
- Area VII - The Traditional World**
- HIST 400 The Ancient World: Near East
  - HIST 410 Latin American Women and Gender History
  - 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) (Writing intensive course in the major - CWRM)

#### Area VIII - Modern World

- HIST 410 Latin American Women and Gender History
- 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 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) (Writing intensive course in the major - CWRM)

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 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 (Writing intensive course in the major)
- 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

## ■ MANAGEMENT

### Management, General Management Concentration, BS

#### Grade Requirement

Students majoring in management must achieve a grade of "C-" or better in MGMT 130, MGMT 140 and MGMT 200.

#### Management Core Courses

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 305 Business Law I
- ACFI 350 Managerial Accounting
- ACFI 385 Managerial Finance
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 360 Fundamentals of Information Systems
- MGMT 490 Strategic Management (Writing intensive course in the major – CWRM)

Total minimum core credits: 39

Concentration requirements taken in addition to the management core courses

- COMP 105 Computers and Their Applications: An Introduction
- MGMT 303 Organizational Behavior
- MGMT 304 Leadership and Teams
- MGMT 355 International Management
- MGMT 426 Service Operations Management

#### Electives

Choose one of the following courses (3 credits)

- MGMT 288 Introduction to Entrepreneurship
- MGMT 340 Contemporary Employee Relations
- MGMT 350 Business Ethics
- MGMT 435 Small Business Management
- MGMT 471 Diversity in Organizations

Choose one of the following courses (3 credits)

- MGMT 399 Special Topics in Management
- or
- Any 300-400 level management (MGMT) course

Total minimum credits: 60

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Management, Global Management Concentration, BS

#### Grade Requirement

Students majoring in management must achieve a grade of “C-” or better in MGMT 130, MGMT 140 and MGMT 200.

#### Management Core Courses

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 305 Business Law I
- ACFI 350 Managerial Accounting
- ACFI 385 Managerial Finance
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 360 Fundamentals of Information Systems
- MGMT 490 Strategic Management (Writing intensive course in the major – CWRM)

Total minimum core credits: 39

Concentration requirements taken in addition to the management core courses

- COMP 105 Computers and Their Applications: An Introduction
- MATH 318 Quantitative Methods for Management
- MGMT 355 International Management
- MGMT 410 International Marketing and Physical Distribution
- MGMT 460 Public Policy and Government Regulation in Global Management

Proficiency in a two semester sequence of an introductory foreign language or higher.

#### Electives

- Choose two of the following courses (6 credits)
- ACFI 445 Auditing
- COMM 365 Introduction to Intercultural Communication
- ECON 321 International Economics
- POLI 260 International Relations

Choose two additional 300-400 level management (MGMT) courses (6 credits)

Total minimum credits: 72

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as



specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Management, Information Systems Management Concentration, BS

### Grade Requirement

Students majoring in management must achieve a grade of “C-” or better in MGMT 130, MGMT 140 and MGMT 200.

### Management Core Courses

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 305 Business Law I
- ACFI 350 Managerial Accounting
- ACFI 385 Managerial Finance
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 360 Fundamentals of Information Systems
- MGMT 490 Strategic Management (Writing intensive course in the major – CWRM)

Total minimum core credits: 39

Concentration requirements taken in addition to the management core courses

- COMP 151 Computer Science I
- COMP 152 Computer Science II
- COMP 410 Database Applications
- MATH 318 Quantitative Methods for Management
- MGMT 445 Information Systems Management
- MGMT 450 Current Topics in Information Systems
- MGMT 454 E-Business Strategy, Architecture and Design
- MGMT 456 Information Systems Project Management
- MGMT 480 Systems Analysis and Design

Total minimum credits: 66

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Management, Marketing Concentration, BS

### Grade Requirement

Students majoring in management must achieve a grade of “C-” or better in MGMT 130, MGMT 140 and MGMT 200.

### Management Core Courses

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 305 Business Law I
- ACFI 350 Managerial Accounting
- ACFI 385 Managerial Finance
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 360 Fundamentals of Information Systems
- MGMT 490 Strategic Management (Writing intensive course in the major – CWRM)

Total minimum core credits: 39

Concentration requirements taken in addition to the management core courses



- MATH 318 Quantitative Methods for Management
- MGMT 420 Marketing Research
- MGMT 424 Advertising
- MGMT 430 Sales Management
- MGMT 494 Marketing Management and Strategy

Choose one of the following three marketing elective courses (3 credits)

- MGMT 410 International Marketing and Physical Distribution
- MGMT 415 Retail Management
- MGMT 440 Business to Business Marketing

Total minimum credits: 57

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Management, Operations Management Concentration, BS

### Management Core Courses

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 305 Business Law I
- ACFI 350 Managerial Accounting
- ACFI 385 Managerial Finance
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 210 Statistics for Economics and Business
- MATH 144 Applied Calculus for Business
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management
- MGMT 200 Marketing Principles
- MGMT 360 Fundamentals of Information Systems
- MGMT 490 Strategic Management (Writing intensive course in the major – CWRM)

Total minimum core credits: 39

### Concentration requirements taken in addition to the management core courses

- COMP 105 Computers and Their Applications: An Introduction
- MGMT 340 Contemporary Employee Relations
- MGMT 426 Service Operations Management
- MGMT 427 Production and Operations Management
- MGMT 470 Supply Chain Management
- MGMT 475 Quality Management

Total minimum credits: 57

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ MATHEMATICS

### Mathematics, BS

#### Grade Requirement

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(s): 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.

Students seeking licensure as a teacher of Mathematics (5-8 or 8-12) must also complete a minor in Secondary Education.

## Required Courses

- MATH 151 Calculus I
- MATH 152 Calculus II
- MATH 180 Transition to Advanced Mathematics
- MATH 202 Linear Algebra
- MATH 251 Calculus III
- MATH 252 Calculus IV
- MATH 301 Abstract Algebra I
- MATH 401 Introduction to Analysis I
- COMP 203 Programming and Computer Algebra  
or
- COMP 151 Computer Science I
- PHYS 243 General Physics I
- PHYS 244 General Physics II

Four electives from any 300- or 400- level courses except MATH 318 (12 credits)

Note(s): As part of the four electives, either MATH 408 History of Mathematics or MATH 416 Applied Mathematics must be taken to satisfy the upper-level writing intensive course in the mathematics major (CWRM). PHYS 403 Mathematical Physics may be taken as one of these four electives.

Majors preparing for secondary school teaching careers must take MATH 403 Probability Theory, MATH 408 History of Mathematics and MATH 325 Foundations of Geometry as three of the four electives.

Total minimum credits: 48

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ MUSIC

### Music, BA

#### 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 in order to 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](mailto: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 Department of Music chairperson. Alternatively, the proficiency requirements may be met by successful completion of MUSC 440.

#### **Grade Requirement**

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.

#### **Requirements**

- MUSC 162 Music of Africa  
or
- MUSC 163 Introduction to World Music
- MUSC 270 Sight-Singing and Ear-Training I
- MUSC 271 Music Theory I
- MUSC 272 Sight-Singing and Ear-Training II
- MUSC 273 Music Theory II
- MUSC 281 Music History I
- MUSC 282 Music History II
- MUSC 351 Conducting
- MUSC 372 Form and Analysis of Music I: 1700-1900
- MUSC 472 Form and Analysis II: The 20<sup>th</sup> Century

#### **Ensembles (7 credits)**

- MUSC 109 Beginning African Drumming Ensemble
- MUSC 112 Wind Ensemble
- MUSC 113 Jazz Band
- MUSC 115 Instrumental Ensemble
- MUSC 118 Chorale
- MUSC 119 Vocal Ensemble
- MUSC 151 Jazz, Pop and Show Choir
- MUSC 152 Opera Ensemble
- MUSC 183 String Ensemble

Note(s): Students may apply only one ensemble credit per semester toward the major.

No more than one credit each may be taken in MUSC 109 or MUSC 115.

#### **Music Technology Requirement**

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**

Six credits, including at least one semester at the 300 level (6 credits)

- MUSC 121 Performance Studies I (Private Lessons - Brass)
- MUSC 221 Performance Studies II (Private Lessons - Brass)
- MUSC 321 Performance Studies III (Private Lessons - Brass)
- MUSC 421 Performance Studies IV (Private Lessons - Brass)
- MUSC 122 Performance Studies I (Private Lessons - Percussion)
- MUSC 222 Performance Studies II (Private Lessons - Percussion)
- MUSC 322 Performance Studies III (Private Lessons - Percussion)
- MUSC 422 Performance Studies IV (Private Lessons - Percussion)
- MUSC 123 Performance Studies I (Private Lessons - Violin, Viola)
- MUSC 223 Performance Studies II (Private Lessons - Violin, Viola)
- MUSC 323 Performance Studies III (Private Lessons - Violin, Viola)
- MUSC 423 Performance Studies IV (Private Lessons - Violin, Viola)
- MUSC 124 Performance Studies I (Private Lessons - Woodwinds)
- MUSC 224 Performance Studies II (Private Lessons - Woodwinds)
- MUSC 324 Performance Studies III (Private Lessons - Woodwinds)
- MUSC 424 Performance Studies IV (Private Lessons - Woodwinds)
- MUSC 125 Performance Studies I (Private Lessons - Guitar)
- MUSC 225 Performance Studies II (Private Lessons - Guitar)
- MUSC 325 Performance Studies III (Private Lessons - Guitar)

- MUSC 425 Performance Studies IV (Private Lessons - Guitar)
- MUSC 126 Performance Studies I (Private Lessons - Cello, Bass)
- MUSC 226 Performance Studies II (Private Lessons - Cello, Bass)
- MUSC 326 Performance Studies III (Private Lessons - Cello, Bass)
- MUSC 426 Performance Studies IV (Private Lessons - Cello, Bass)
- MUSC 131 Performance Studies I (Private Lessons - Voice - Singing)
- MUSC 231 Performance Studies II (Private Lessons - Voice - Singing)
- MUSC 331 Performance Studies III (Private Lessons - Voice - Singing)
- MUSC 431 Performance Studies IV (Private Lessons - Voice - Singing)
- MUSC 141 Performance Studies I (Private Lessons - Piano)
- MUSC 241 Performance Studies II (Private Lessons - Piano)
- MUSC 341 Performance Studies III (Private Lessons - Piano)
- MUSC 441 Performance Studies IV (Private Lessons - Piano)

#### Music History Elective

Choose from (3 credits)

- 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 20<sup>th</sup> Century

#### Elective (3 credits)

Choose from 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 (3 credits)

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 Department of Music 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: 52

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Music, Music Education Concentration, BA

The Department of Music offers a music major with a concentration in music education 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.

#### 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 in order to 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](mailto:cnicholeris@bridgew.edu).

A student majoring in music with a concentration in music education must earn 52 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 Department of Music chairperson. Alternatively, the proficiency requirements may be met by successful completion of MUSC 440.

### Grade Requirement

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.

The following courses are required to complete the music education concentration:

### Course Requirements

- MUSC 166 Survey of American Jazz
- MUSC 270 Sight-Singing and Ear-Training I
- MUSC 271 Music Theory I
- MUSC 273 Music Theory II
- MUSC 281 Music History I
- MUSC 282 Music History II
- MUSC 372 Form and Analysis of Music I: 1700-1900

### Cognate Requirements

- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

### Ensemble and Performance Study Requirements

Seven credits from ensembles\* (7 credits)

- MUSC 112 Wind Ensemble
- MUSC 113 Jazz Band
- MUSC 115 Instrumental Ensemble
- MUSC 118 Chorale
- MUSC 119 Vocal Ensemble
- MUSC 183 String Ensemble

\* Students seeking Massachusetts Educator Licensure-Initial Licensure in music will be required to participate in an ensemble for a minimum of seven semesters including at least four semesters in a large ensemble (wind ensemble or chorale).

Six 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. (6 credits)

- MUSC 121 Performance Studies I (Private Lessons - Brass)
- MUSC 221 Performance Studies II (Private Lessons - Brass)
- MUSC 321 Performance Studies III (Private Lessons - Brass)
- MUSC 421 Performance Studies IV (Private Lessons - Brass)
- MUSC 122 Performance Studies I (Private Lessons - Percussion)
- MUSC 222 Performance Studies II (Private Lessons - Percussion)
- MUSC 322 Performance Studies III (Private Lessons - Percussion)
- MUSC 422 Performance Studies IV (Private Lessons - Percussion)
- MUSC 123 Performance Studies I (Private Lessons - Violin, Viola)
- MUSC 223 Performance Studies II (Private Lessons - Violin, Viola)

- MUSC 323 Performance Studies III (Private Lessons - Violin, Viola)
- MUSC 423 Performance Studies IV (Private Lessons - Violin, Viola)
- MUSC 124 Performance Studies I (Private Lessons - Woodwinds)
- MUSC 224 Performance Studies II (Private Lessons - Woodwinds)
- MUSC 324 Performance Studies III (Private Lessons - Woodwinds)
- MUSC 424 Performance Studies IV (Private Lessons - Woodwinds)
- MUSC 125 Performance Studies I (Private Lessons - Guitar)
- MUSC 225 Performance Studies II (Private Lessons - Guitar)
- MUSC 325 Performance Studies III (Private Lessons - Guitar)
- MUSC 425 Performance Studies IV (Private Lessons - Guitar)
- MUSC 126 Performance Studies I (Private Lessons - Cello, Bass)
- MUSC 226 Performance Studies II (Private Lessons - Cello, Bass)
- MUSC 326 Performance Studies III (Private Lessons - Cello, Bass)
- MUSC 426 Performance Studies IV (Private Lessons - Cello, Bass)
- MUSC 131 Performance Studies I (Private Lessons - Voice - Singing)
- MUSC 231 Performance Studies II (Private Lessons - Voice - Singing)
- MUSC 331 Performance Studies III (Private Lessons - Voice - Singing)
- MUSC 431 Performance Studies IV (Private Lessons - Voice - Singing)
- MUSC 141 Performance Studies I (Private Lessons - Piano)
- MUSC 241 Performance Studies II (Private Lessons - Piano)
- MUSC 341 Performance Studies III (Private Lessons - Piano)
- MUSC 441 Performance Studies IV (Private Lessons - Piano)

#### Additional Required Courses

- MUSC 351 Conducting
- MUSC 375 Orchestration and Arranging (instrumental emphasis)  
or
- MUSC 455 Creative Activities in Elementary School Music (vocal emphasis)
- MUSC 388 Instrumental Techniques
- MUSC 456 Methods in Music Education
- MUSC 483 Choral Techniques

#### Music History Elective (3 credits)

- MUSC 363 Music of Bach, Handel and Vivaldi
- MUSC 364 Music of the Classical and Romantic Periods (Writing intensive course in the major - CWRM)
- MUSC 367 Music by Women Composers (Writing intensive course in the major - CWRM)
- MUSC 369 Music of the 20<sup>th</sup> Century

Students seeking Massachusetts Educator Licensure-Initial Licensure must also declare a minor in secondary education and complete the following courses.

(See the ["Secondary Education and Professional Programs"](#) section of this catalog)

- EDHM 210 Introduction to Teaching
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 413 Strategies for Teaching - Music
- EDHM 445 Content Area Reading, Writing and Study Skills
- EDHM 490 Teaching Practicum \*\*

\*\*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: 85

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.



## ■ PHILOSOPHY

### Philosophy, Applied Ethics Concentration, BA

#### Grade Requirement

A grade of "C" or higher is required in all philosophy course work contributing to the major.

#### Requirements

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 222 Philosophy of Law
- PHIL 231 Amoralism, Egoism and Altruism
- PHIL 234 Free Will, Determinism and Responsibility

Total minimum credits: 30

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the "[Undergraduate Academic Programs](#)" section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the "[Undergraduate Academic Policies](#)" section of this catalog.

### Philosophy, BA

#### Grade Requirement

A grade of "C" or higher is required in all philosophy course work contributing to the major.

A minimum of 10 philosophy courses (30 credits) is required.

One three-credit, 100-level philosophy course (3 credits)

The following course in logic is required (3 credits)

- PHIL 310 Symbolic Logic

At least two of the following courses in the history of philosophy are required (6 credits)

- PHIL 301 Plato and Aristotle
- PHIL 302 Medieval Philosophy
- PHIL 303 Major Modern Philosophers
- PHIL 304 19th Century Philosophy
- PHIL 305 American Philosophy

At least two of the following area courses are required (6 credits)

- PHIL 402 Knowledge and Truth
- PHIL 403 Ethics and Action
- PHIL 404 Mind and Language
- PHIL 405 Metaphysics

Writing intensive course in the major (CWRM) is required (3 credits)

- PHIL 450 Senior Seminar in Philosophy

At least three additional courses in philosophy are required (9 credits)

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the "[Undergraduate Academic Programs](#)" section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the "[Undergraduate Academic Policies](#)" section of this catalog.

Total minimum credits: 30

## ■ PHYSICAL EDUCATION

### Physical Education, BA

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 34 credits in the major as outlined below:

#### Grade Requirement

Students must achieve a grade of "C-" or higher in the first six courses listed below.

#### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy



- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive course in the major - CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

#### Activity Requirement (9 credits)

All majors in physical education must accumulate at least nine credits in activity and/or theory and practice courses. The nine credits must come from at least six 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.

**See Activity Courses by Area below**

#### Health Course Requirement

- HEAL 102 Health and Wellness

Elective (choose one) (3 credits)

Any 300-400 level ATTR, HEAL, PHED, or RECR course or one of the following dance courses

- DANC 146 Dance Appreciation
- DANC 255 Creative Dance I
- DANC 256 Creative Dance II

Total minimum credits: 34

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C  | AREA D   | AREA E  |
|--|---------------------------------------|---|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                                      | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals            | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals           | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                                   |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance   | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |

|  |  |  |  |                              |
|--|--|--|--|------------------------------|
|  |  |  |  | PHED 280 Initiative Games    |
|  |  |  |  | PHED 356 Canoeing I          |
|  |  |  |  | PHED 360 Initiative Games II |

## Physical Education, Coaching Concentration, BS

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.

### Grade Requirement

Students must achieve a grade of "C-" or higher in the Physical Education Core courses and Activity Requirements listed below.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive course in the major - CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirements

- PHED 152 Theory and Practice of Lifeguard Training
- PHED 204 Theory and Practice of Progressive Resistance Training
- PHED 209 Theory and Practice of Metabolic Training

One activity from Individual Sports Category

One activity from Team Sports Category

One activity from Individual or Team Sports Category

**See Activity Requirements by Area below.**

### Additional Required Courses

- ATTR 112 Sports First Aid
- PHED 414 Coaching
- \* PHED 416 Planning and Implementing Coaching Leadership Strategies
- PHED 498 Field Experience in Physical Education (3 credits)
- \* RECR 461 Organization and Administration in Recreation

Note(s): \* These courses must be taken prior to the field experience, PHED 498 Field Experience in Physical Education.

### Required Health Course

- HEAL 102 Health and Wellness

### Elective (choose one)

Any 300- or 400- level ATTR, HEAL, PHED or RECR course or one of the following dance courses

- DANC 146 Dance Appreciation
- DANC 255 Creative Dance I
- DANC 256 Creative Dance II

Total minimum credits: 49

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Activity Courses by Area

| AREA A                        | AREA B                           | AREA C  | AREA D   | AREA E                            |
|-------------------------------|----------------------------------|---|--|-----------------------------------|
| Individual/Dual Sports        | Team Sports                      | Dance   | Aquatics   | Fitness/Wellness                  |
| PHED 134 Self Defense         | PHED 131 Volleyball I – Beginner | DANC 155 Dance Practicum                            | PHED 150 Beginner Swimming                         | PHED 163 Aerobics                 |
| PHED 170 Bowling I – Beginner | PHED 132 Field Hockey I          | DANP 139 Theory and Practice of Dance Fundamentals  | PHED 152 Theory and Practice of Lifeguard Training |                                   |
| PHED 173 Archery I – Beginner | PHED 133 Basketball I – Beginner | DANP 147 Theory and Practice of Ballet Fundamentals | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running |
| PHED 174 Tennis I – Beginner  | PHED 140 Lacrosse                | DANP 153 Jazz Dance                                 | PHED 254 Water Polo                                | PHED 190 Conditioning             |

|  |                                       |   |  |   |
|--|---------------------------------------|---|--|---|
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

## Physical Education, Exercise Science/Health Fitness Concentration, BS

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.

### Grade Requirement

Students must achieve a grade of “C-” or higher in the Physical Education Core courses and Activity Requirements listed below.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive course in the major - CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirement

- PHED 204 Theory and Practice of Progressive Resistance Training
- PHED 208 Theory and Practice of Group Instruction
- PHED 209 Theory and Practice of Metabolic Training

Three additional credits of activities selected in consultation with adviser

See **Activity Requirements by Area below.**

### Additional Required Courses

- PHED 201 Fitness Testing in Exercise Science
- 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 409 Planning, Implementing and Evaluating Fitness Programs
- PHED 498 Field Experience in Physical Education (3 credits)

### Required Health Courses

- HEAL 102 Health and Wellness
- HEAL 471 Nutrition
- or
- PHED 284 Foundations of Sport and Exercise Nutrition

Total minimum credits: 56

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C  | AREA D   | AREA E  |
|--|---------------------------------------|---|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                                      | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals            | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals           | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                                   |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance   | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

### Physical Education, Motor Development Therapy/Adapted Physical Education Concentration, BS

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.

#### Grade Requirement

Students must achieve a grade of “C-” or higher in the Physical Education Core courses and Activity Requirements listed below.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive in the major – CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirement

- PHED 280 Initiative Games
- PHED 283 Theory and Practice of Gymnastics
- DANP 235 Rhythmic Activities: Programming for All Ages

Individual: Archery, Tennis or Golf (1 credit)

Team: Volleyball or Soccer (1 credit)

Dance: Folk, Square or Ballroom (1 credit)

Aquatics: any swimming course (1 credit)

Fitness/Wellness: any fitness/wellness course (1 credit)

**See Activity Requirements by Area below.**

### Additional Required Courses

PHED 324 Physical and Motor Development of Individuals with Disabilities

- PHED 397 Children's Physical Developmental Practicum
- PHED 451 Prosthetics and Orthotics
- PHED 494 Study of Motor Programs for Individuals with Chronic and Acute Health Impairments
- PHED 498 Field Experience in Physical Education (12 credits)

### Required Health Course

- HEAL 102 Health and Wellness

### Cognate Courses

- BIOL 102 Introduction to Zoology
- PSYC 227 Developmental Psychology
- PSYC 355 Behavior Analysis
- PSYC 370 Abnormal Psychology

Total minimum credits: 67

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Activity Courses by Area

| AREA A                          | AREA B                                | AREA C  | AREA D   | AREA E  |
|---------------------------------|---------------------------------------|---|--|---|
| Individual/Dual Sports          | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense           | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                            | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner   | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals  | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner   | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                               |
| PHED 174 Tennis I – Beginner    | PHED 140 Lacrosse                     | DANP 153 Jazz Dance                                 | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner      | PHED 141 Soccer                       | DANP 159 Latin Social Dance                         |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner | PHED 145 Flag Football                | DANP 161 Folk Dance                                 |  | PHED 202 Orienteering   |
| PHED 186 Track and Field        | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance                               |  | PHED 203 Basic Rock Climbing                                    |
| PHED 194 Wrestling              | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I                                |  | PHED 204 Theory and Practice of Progressive Resistance Training |
| PHED 196 Fencing I –            | PHED 244 Softball                     | DANP 166 African Dance                              |  | PHED 206 Theory and Practice                                    |

|  |                                       |   |  |   |
|--|---------------------------------------|---|--|---|
| Beginner                                   |                                       |   |  | of New Age Fitness  |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

## Physical Education, Recreation and Fitness Club Administration Concentration, BS

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.

### Grade Requirement

Students must achieve a grade of "C-" or higher in the Physical Education Core courses and Activity Requirements listed below.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive in the major – CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirement

- PHED 204 Theory and Practice of Progressive Resistance Training
- PHED 208 Theory and Practice of Group Instruction
- PHED 209 Theory and Practice of Metabolic Training
- PHED 280 Initiative Games

Two additional credits selected from Areas A, B, C, D and E

### Individual/Dual Sports

- Team Sports
- Dance
- Aquatics
- Fitness/Wellness

See Activity Requirements by Area below.

### Additional Required courses

- PHED 400 Physiology and Techniques of Strength Fitness
- PHED 404 Exercise Prescription
- PHED 409 Planning, Implementing and Evaluating Fitness Programs
- PHED 498 Field Experience in Physical Education
- or
- RECR 498 Field Experience in Recreation
- RECR 332 Leadership and the Group Process
- RECR 461 Organization and Administration in Recreation

### Required Health Course

- HEAL 102 Health and Wellness

Total minimum credits: 49

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site,



[www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the “[Undergraduate Academic Policies](#)” section of this catalog.

## Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C  | AREA D   | AREA E  |
|--|---------------------------------------|---|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                                      | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals            | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals           | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                                   |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance   | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

## Physical Education, Recreation Concentration, BS

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.

### Grade Requirement

Students must achieve a grade of “C-” or higher in the Physical Education Core courses and Activity Requirements listed below.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive course in the major – CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirement

- PHED 280 Initiative Games



One activity each from Areas A, B, C, D (see below) (4 credits)

Two additional activities from areas A, B, C, D (see below) — may be a second level course (2 credits)

Two additional from Areas A, B, C, D and E (2 credits)

#### Individual/Dual Sports

- A. Team Sports
- B. Dance
- C. Aquatics
- D. Fitness/Wellness

See Activity Requirements by Area below.

#### Additional Required Courses

- RECR 230 Introduction to Recreation
- RECR 332 Leadership and the Group Process
- RECR 461 Organization and Administration in Recreation
- RECR 462 Programming for Recreation and Leisure
- SOCI 102 Introduction to Sociology

#### Required Health Course

- HEAL 102 Health and Wellness

#### Elective (choose one) (3 credits)

Any 300- or 400- level ATTR, HEAL, PHED or RECR course or one of the following dance courses

- DANC 146 Dance Appreciation
- DANC 255 Creative Dance I
- DANC 256 Creative Dance II

#### Recommended Elective Experience

- RECR 498 Field Experience in Recreation

Total minimum credits: 49

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C   | AREA D   | AREA E  |
|--|---------------------------------------|--|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance  | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                               | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals     | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals    | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                               |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance                                    | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                            |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance                                    |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance                                  |  | PHED 203 Basic Rock Climbing                                    |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I                                   |  | PHED 204 Theory and Practice of Progressive Resistance Training |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance                                 |  | PHED 206 Theory and Practice of New Age Fitness                 |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance                                 |  | PHED 207 Theory and Practice of Horsemanship                    |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                |  | PHED 208 Theory and Practice of Group Instruction               |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages |  | PHED 209 Theory and Practice of Metabolic Training              |

|  |  |   |  |   |
|--|--|---|--|---|
|  |  | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |  | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |  |   |  | PHED 278 Bicycle Touring  |
|  |  |   |  | PHED 280 Initiative Games   |
|  |  |   |  | PHED 356 Canoeing I   |
|  |  |   |  | PHED 360 Initiative Games II  |

## Physical Education, Teacher Licensure (5-12) Concentration, BS

### Prerequisites

- Declaration as a physical education major
- Acceptance in School of Education and Allied Studies teacher preparation program prior to taking 300-level physical education teacher preparation courses.

### Grade Requirement

Students must achieve a grade of “C-” or higher in all PHED courses listed below, as well as in PSYC 227, before admittance to the final course, the practicum in student teaching. Successful completion of the practicum also requires a grade of “C-” or higher.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive in the major - CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirement

#### See Activity Courses by Area below

- DANP 281 Theory and Practice of Educational Dance
- PHED 169 Introduction to Adventure Activities
- PHED 282 Theory and Practice of Games
- PHED 283 Theory and Practice of Gymnastics

#### Choose one of the following (1 credit)

- PHED 134 Self Defense
- PHED 163 Aerobics
- PHED 186 Track and Field
- PHED 188 Jogging and Road Running
- PHED 190 Conditioning
- PHED 193 Weight Training
- PHED 194 Wrestling
- PHED 204 Theory and Practice of Progressive Resistance Training
- PHED 209 Theory and Practice of Metabolic Training
- PHED 234 Yoga
- PHED 257 Movement and Relaxation – Theory, Practice and Performance

#### Any one-credit dance (DANP) course

#### Choose one of the following (1 credit)

- PHED 150 Beginner Swimming
- PHED 152 Theory and Practice of Lifeguard Training
- PHED 202 Orienteering
- PHED 203 Basic Rock Climbing
- PHED 250 Intermediate Swimming
- PHED 278 Bicycle Touring
- PHED 280 Initiative Games
- PHED 356 Canoeing I

### Additional Required Courses

- \* PHED 205 Introduction to Teaching Physical Education in the Public Schools
- PHED 210 Developmental Kinesiology

- \* PHED 212 Strategies and Analysis of Motor Skills
- PHED 315 Teaching Team and Individual Sports
- PHED 324 Physical and Motor Development of Individuals with Disabilities
- PHED 329 Teaching and Curriculum Development in the Middle and Junior High School
- PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education
- PHED 491 Field-Based Pre-Practicum (5-12) – Physical Education
- PHED 492 Practicum in Student Teaching (5-12) – Physical Education

Note(s):\* 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

#### Cognate Course

- PSYC 227 Developmental Psychology

Current certificate from the American Red Cross for Standard First Aid and CPR.

Total minimum credits: 72

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C  | AREA D   | AREA E  |
|--|---------------------------------------|---|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                                      | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals            | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals           | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                                   |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance   | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

## Physical Education, Teacher Licensure (PreK-8) Concentration, BS

### Prerequisites

- Declaration as a physical education major
- Acceptance in School of Education and Allied Studies teacher preparation program prior to taking 300-level physical education teacher preparation courses.

### Grade Requirement

Students must achieve a grade of "C-" or higher in all PHED courses listed below, as well as in PSYC 227, before admittance to the final course, the practicum in student teaching. Successful completion of the practicum also requires a grade of "C-" or higher.

### Required Physical Education Core Courses

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity (Writing intensive course in the major - CWRM)
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirements

#### See Activity Courses by Area below

- DANP 281 Theory and Practice of Educational Dance
- PHED 169 Introduction to Adventure Activities
- PHED 282 Theory and Practice of Games
- PHED 283 Theory and Practice of Gymnastics

#### Choose one of the following (1 credit)

- PHED 134 Self Defense
- PHED 163 Aerobics
- PHED 186 Track and Field
- PHED 188 Jogging and Road Running
- PHED 190 Conditioning
- PHED 193 Weight Training
- PHED 194 Wrestling
- PHED 204 Theory and Practice of Progressive Resistance Training
- PHED 209 Theory and Practice of Metabolic Training
- PHED 234 Yoga
- PHED 257 Movement and Relaxation – Theory, Practice and Performance

#### Any one credit dance (DANP) course

#### Choose one of the following

- PHED 150 Beginner Swimming
- PHED 152 Theory and Practice of Lifeguard Training
- PHED 202 Orienteering
- PHED 203 Basic Rock Climbing
- PHED 250 Intermediate Swimming
- PHED 278 Bicycle Touring
- PHED 280 Initiative Games
- PHED 356 Canoeing I

### Additional Required Courses

- PHED 205 Introduction to Teaching Physical Education in the Public Schools
- PHED 210 Developmental Kinesiology
- \* PHED 225 Observation and Analysis of Movement for Children
- PHED 324 Physical and Motor Development of Individuals with Disabilities
- PHED 326 Teaching Physical Education to Children
- PHED 329 Teaching and Curriculum Development in the Middle and Junior High School
- PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education
- PHED 495 Field-Based Pre-Practicum (PreK-8) – Physical Education
- PHED 496 Practicum in Student Teaching (PreK-8) – Physical Education

Note(s): \* 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

### Cognate Course

- PSYC 227 Developmental Psychology

Current certificate from the American Red Cross for Standard First Aid and CPR.

Total minimum credits: 72

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C  | AREA D   | AREA E  |
|--|---------------------------------------|---|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                                      | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals            | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals           | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                                   |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance   | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

## ■ PHYSICS

### Physics, General Physics Concentration, BA

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 university. Along with the physics core and physics core cognate courses, the student must take six hours of physics electives from the list below.

## Requirements

All physics majors take the physics core courses and core cognates outlined below.

### Core Courses

- PHYS 243 General Physics I
- PHYS 244 General Physics II
- PHYS 401 Modern Physics
- PHYS 402 Quantum Mechanics
- PHYS 414 Experimental Physics
- PHYS 433 Thermal Physics (Writing intensive course in the major – CWRM)
- PHYS 438 Electricity and Magnetism
- PHYS 439 Mechanics

### Core Cognates

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- MATH 151 Calculus I
- MATH 152 Calculus II

Total minimum Physics Core credits: 41

### Physics Electives (three credits from below)

- PHYS 107 Exploring the Universe
- PHYS 180 Energy and its Social Uses
- PHYS 403 Mathematical Physics
- PHYS 408 Astrophysics
- PHYS 409 General Relativity and Cosmology
- PHYS 422 Computer Simulation in Physical Science
- 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

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Physics, Professional Physics Concentration, BS

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

All physics majors take the physics core courses and core cognates outlined below.

### Core Courses

- PHYS 243 General Physics I
- PHYS 244 General Physics II
- PHYS 401 Modern Physics
- PHYS 402 Quantum Mechanics
- PHYS 414 Experimental Physics
- PHYS 433 Thermal Physics (Writing intensive course in the major – CWRM)
- PHYS 438 Electricity and Magnetism
- PHYS 439 Mechanics

### Core Cognates

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- MATH 151 Calculus I
- MATH 152 Calculus II

Total minimum Physics Core credits: 41

Nine credit hours of physics electives above the 100 level from the list below

- PHYS 403 Mathematical Physics
- PHYS 408 Astrophysics
- PHYS 409 General Relativity and Cosmology
- PHYS 422 Computer Simulation in Physical Science
- 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

#### Cognates

- MATH 251 Calculus III
- MATH 316 Differential Equations

Total minimum credits: 56

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ POLITICAL SCIENCE

### Political Science, American Politics Concentration, BA

The American politics concentration offers students a broad understanding of American politics. The concentration is designed to provide a strong undergraduate social science education in preparation for entry into advanced degree programs and professional careers in public service, private institutions and political organizations in the United States.

#### Grade Requirement

No grade lower than a “C-” in a political science (POLI) course may be used to fulfill the requirements of the political science major or minor. Students receiving a “D” or “F” in a political science course may continue as political science majors or minors 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 area for the major or minor.

#### Required Courses

- POLI 172 Introduction to American Government
- POLI 250 Research Methods in Political Science
- POLI 274 Western Political Thought - Plato to the Present
- POLI 277 American Government: State and Local
- POLI 475 Senior Seminar in Political Science (Writing intensive course in the major – CWRM)

#### Distribution I: Complete at least two of the following courses (6 credits)

- POLI 201 Citizenship and Community Leadership
- POLI 260 International Relations
- POLI 275 Comparative Government
- POLI 279 Introduction to Public Administration
- POLI 285 Law and the Judicial Process

#### Distribution II: Complete at least one of the following courses (3 credits)

- POLI 341 Constitutional Law and Politics: The Powers of Government
- POLI 372 Legislative Process and Procedure
- POLI 391 The American Presidency

#### Distribution III: Complete at least one of the following courses (3 credits)

- POLI 375 American Political Parties and Interest Groups
- POLI 379 Voters, Elections and Campaigns
- POLI 380 Public Opinion and Mass Political Behavior

#### Distribution IV: Complete at least nine credits from the following courses (9 credits)

Note(s): Courses taken to satisfy Distribution II and III cannot count toward completion of Distribution IV.

- POLI 301 Model Senate Practicum
- POLI 302 Moot Court and Mock Trial Practicum



- 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 368 American Political Thought
- 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 400 Special Topics in Political Science
- POLI 476 Women and Politics
- POLI 479 Public Policy
- POLI 485 Honors Thesis in Political Science
- POLI 498 Internship in Political Science
- POLI 499 Directed Study in Political Science

Note(s): Only three credits in each of the following may be applied to the major, regardless of concentration, or the minor: POLI 498 Internship in Political Science; POLI 499 Directed Study in Political Science; practicum in political science (including POLI 301 Model Senate Practicum and POLI 302 Moot Court and Mock Trial Practicum).

Credit for internship, directed study and special topics in political science may be applied to concentration requirements only if they are related to the student's concentration. This determination is made by the department chairperson.

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Political Science, BA

### Grade Requirement

No grade lower than a "C-" in a political science (POLI) course may be used to fulfill the requirements of the political science major or minor. Students receiving a "D" or "F" in a political science course may continue as political science majors or minors 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 area for the major or minor.

### Required Courses

- POLI 172 Introduction to American Government
- POLI 250 Research Methods in Political Science
- POLI 475 Senior Seminar in Political Science (Writing intensive course in the major – CWRM)

### Distribution I: Complete at least four of the following courses (12 credits)

- POLI 201 Citizenship and Community Leadership
- 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

### Distribution II: Complete at least 15 credits at the POLI 300 or POLI 400 level (15 credits)

Note(s): Only three credits in each of the following may be applied to the major, regardless of concentration, or the minor: POLI 498 Internship in Political Science; POLI 499 Directed Study in Political Science; practicum in political science (including POLI 301 Model Senate Practicum and POLI 302 Moot Court and Mock Trial Practicum).

Credit for internship, directed study and special topics in political science may be applied to concentration requirements only if they are related to the student's concentration. This determination is made by the department chairperson.

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as

specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Political Science, International Affairs Concentration, BA

The international affairs concentration is designed for those students who wish to pursue a graduate degree and/or a career in this field. An appropriate sequence of courses enables students to acquire a cross-cultural perspective and obtain a broader comprehension of the relations among nations in our complex and dynamic world. The growing interdependence of the global community has increased the importance of this field of special study. In addition, as the number of nation-states has multiplied and governmental and non-governmental international organizations continue to expand, so have opportunities for national, foreign and international service.

#### Grade Requirement

No grade lower than a “C-” in a political science (POLI) course may be used to fulfill the requirements of the political science major or minor. Students receiving a “D” or “F” in a political science course may continue as political science majors or minors 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 area for the major or minor.

#### Required Courses

- POLI 172 Introduction to American Government
- POLI 250 Research Methods in Political Science
- POLI 260 International Relations
- POLI 275 Comparative Government
- POLI 384 United States Foreign Policy
- POLI 473 Globalization and Global Governance
- POLI 475 Senior Seminar in Political Science (Writing intensive course in the major – CWRM)

#### Distribution I: Complete at least two of the following courses (6 credits)

- POLI 201 Citizenship and Community Leadership
- POLI 274 Western Political Thought - Plato to the Present
- POLI 277 American Government: State and Local
- POLI 279 Introduction to Public Administration
- POLI 285 Law and the Judicial Process

#### Distribution II: Complete at least two of the following courses (6 credits)

- POLI 330 Asian Politics
- POLI 366 Terrorism and U.S. National Security
- POLI 377 Canadian-American Political Relations
- POLI 381 United States and Latin American Relations
- POLI 382 Latin American Government and Politics
- POLI 385 Government and Politics in the Middle East
- POLI 386 Canadian Politics
- POLI 387 Government and Politics of Africa
- POLI 388 The Government and Politics of Eastern Europe

#### Distribution III: Complete at least one of the following courses (3 credits)

- POLI 361 International Political Economy
- POLI 365 International Politics of the Environment
- POLI 392 Democratic Theory and Democratization
- POLI 400 Special Topics in Political Science
- POLI 455 Totalitarian Political Systems: Dictators and the Reign of Terror
- POLI 485 Honors Thesis in Political Science
- POLI 488 Politics and Development in the Third World
- POLI 498 Internship in Political Science
- POLI 499 Directed Study in Political Science

Note(s): Only three credits in each of the following may be applied to the major, regardless of the concentration, or the minor: POLI 498 Internship in Political Science; POLI 499 Directed Study in Political Science; practicum in political science (including POLI 301 Model Senate Practicum and POLI 302 Moot Court and Mock Trial Practicum).

Credit for internship, directed study and special topics in political science may be applied to concentration requirements only if they are related to the student's concentration. This determination is made by the department chairperson.

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as

specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

### Political Science, Legal Studies Concentration, BA

The legal studies concentration is designed for students who are considering law-related careers in the private or public sectors. Having taken several law-related courses as undergraduates, graduates may thereafter pursue further study in law school or an institution training them for paralegal work.

In today's society, the legal profession and the number of subfields that have developed has grown dramatically. Moreover, knowledge of the law and its application to everyday life is now essential. Students choosing the legal studies concentration will therefore not only gain a solid foundation in the various areas of the law, but will also gain a valuable preparation for the challenges that await in the professional world after graduation.

#### Grade Requirement

No grade lower than a “C-” in a political science (POLI) course may be used to fulfill the requirements of the political science major or minor. Students receiving a “D” or “F” in a political science course may continue as political science majors or minors 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 area for the major or minor.

#### Required Courses

- POLI 172 Introduction to American Government
- POLI 250 Research Methods in Political Science
- POLI 274 Western Political Thought - Plato to the Present
- POLI 285 Law and the Judicial Process
- POLI 341 Constitutional Law and Politics: The Powers of Government
- POLI 372 Legislative Process and Procedure
- POLI 475 Senior Seminar in Political Science (Writing intensive course in the major – CWRM)

#### Distribution I: Complete at least two of the following courses (6 credits)

- POLI 201 Citizenship and Community Leadership
- POLI 260 International Relations
- POLI 275 Comparative Government
- POLI 277 American Government: State and Local
- POLI 279 Introduction to Public Administration

#### Distribution II: Complete at least one of the following courses (3 credits)

- 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

#### Distribution III: Complete at least six credits from the following courses (6 credits)

- PHIL 222 Philosophy of Law
- PHIL 235 Human Rights and Human Liberties
- POLI 302 Moot Court and Mock Trial Practicum
- POLI 368 American Political Thought
- POLI 400 Special Topics in Political Science
- POLI 485 Honors Thesis in Political Science
- POLI 498 Internship in Political Science
- POLI 499 Directed Study in Political Science

Note(s): Only three credits in each of the following may be applied to the major, regardless of concentration, or the minor: POLI 498 Internship in Political Science; POLI 499 Directed Study in Political Science; practicum in political science (including POLI 301 Model Senate Practicum and POLI 302 Moot Court and Mock Trial Practicum).

Credit for internship, directed study and special topics in political science may be applied to concentration requirements only if they are related to the student's concentration. This determination is made by the department chairperson.

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Political Science, Public Administration Concentration, BA

The public administration concentration is designed for those students who wish to pursue a Master of Public Administration degree and/or a career in this field. The concentration prepares students for a career focus in the public and nonprofit sectors at the federal, state and local levels.

### Grade Requirement

No grade lower than a "C-" in a political science (POLI) course may be used to fulfill the requirements of the political science major or minor. Students receiving a "D" or "F" in a political science course may continue as political science majors or minors 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 area for the major or minor.

### Required Courses

- POLI 172 Introduction to American Government
- POLI 250 Research Methods in Political Science
- POLI 277 American Government: State and Local
- POLI 279 Introduction to Public Administration
- POLI 390 Public Finance
- POLI 475 Senior Seminar in Political Science (Writing intensive course in the major – CWRM)

### Distribution I: Complete at least two of the following courses (6 credits)

- POLI 201 Citizenship and Community Leadership
- POLI 260 International Relations
- POLI 274 Western Political Thought - Plato to the Present
- POLI 275 Comparative Government
- POLI 285 Law and the Judicial Process

### Distribution II: Complete at least 12 credits from the following courses (12 credits)

Note(s): Courses taken to satisfy Distribution I cannot count toward completion of Distribution II.

- POLI 201 Citizenship and Community Leadership
- POLI 341 Constitutional Law and Politics: The Powers of Government
- POLI 376 Urban Politics
- POLI 400 Special Topics in Political Science
- POLI 479 Public Policy
- POLI 485 Honors Thesis in Political Science
- POLI 495 Administrative Law and Regulation
- POLI 498 Internship in Political Science
- POLI 499 Directed Study in Political Science

Note(s): Only three credits in each of the following may be applied to the major, regardless of concentration, or the minor: POLI 498 Internship in Political Science; POLI 499 Directed Study in Political Science; practicum in political science (including POLI 301 Model Senate Practicum and POLI 302 Moot Court and Mock Trial Practicum).

Credit for internship, directed study and special topics in political science may be applied to concentration requirements only if they are related to the student's concentration. This determination is made by the department chairperson.

Total minimum credits: 36

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ PSYCHOLOGY

### Psychology, BS

#### Grade Requirement

A psychology major must receive a "C" or better in any psychology (PSYC) course applied to the major. Otherwise, a student must repeat the course(s) for a higher grade. Please see "Repeat Courses" in the ["Undergraduate Academic Policies"](#) section of this catalog.

#### Requirements

- PSYC 100 Introductory Psychology
- PSYC 150 Orientation to the Psychology Major (All psychology majors must successfully complete PSYC 150 during their first year as a degree-seeking psychology major)
- PSYC 201 Statistics for Psychology
- PSYC 224 Child Psychology

or

- PSYC 227 Developmental Psychology
- PSYC 242 Biopsychology
- PSYC 310 Social Psychology
- PSYC 320 Research Methods in Psychology (Writing Intensive in the Major Core Curriculum Requirement – CWRM)
- PSYC 352 Psychology of Learning
- PSYC 360 Psychology of Personality

In addition, psychology majors must select five elective courses as follows:

#### **Advanced Psychological Studies**

Select one of the following courses (3 credits)

- PSYC 349 Perspectives on the Holocaust
- PSYC 350 Special Topics in Psychology
- PSYC 421 Psychology of Human Differences
- PSYC 426 Comparative Psychology
- PSYC 427 History of Psychology
- PSYC 460 Neuropsychology
- PSYC 490 Senior Seminar (Writing Intensive in the Major Core Curriculum Requirement – CWRM)

#### **Biobehavioral, Cognitive and Social Psychological Studies**

Select one of the following courses (3 credits)

- PSYC 230 Cross-Cultural Psychology
- PSYC 313 Industrial and Organizational Psychology
- PSYC 337 Cognitive Psychology
- PSYC 344 Drugs and Human Behavior
- PSYC 355 Behavior Analysis
- PSYC 410 Applied Social Psychology
- PSYC 440 Sensation and Perception
- PSYC 445 Psychology of Consciousness
- PSYC 474 Forensic Psychology

#### **Clinical Studies and Practicum and Research**

Select one of the following courses (3 credits)

- PSYC 215 Service-Learning in Psychology
- PSYC 269 Psychology of Criminal Behavior
- PSYC 370 Abnormal Psychology
- PSYC 465 Health Psychology
- PSYC 470 Clinical Psychology
- PSYC 496 Personnel Practicum
- PSYC 497 Research
- PSYC 498 Clinical Practicum
- PSYC 499 Directed Study in Psychology

#### **Additional Electives**

Any two psychology courses not already taken above (6 credits)

#### **Cognate Requirement**

One biology laboratory course from the following (4 credits)

- BIOL 100 General Principles of Biology
- BIOL 102 Introduction to Zoology
- BIOL 121 General Biology I

Total minimum credits: 44

#### **Core Curriculum Requirements**

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## **■ SOCIAL WORK**

### **Social Work, BS**

Admission to the Social Work Program

## Admission Requirements

To be formally admitted to the social work program, a student must:

- Meet with an assigned social work adviser.
- 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.
- 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 only to the program.
- 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.
- 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.
- 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.
- Submit a copy of his/her degree audit that provides an up-to-date indication of cumulative and social work GPAs.
- 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.
- 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](http://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 fieldwork 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 University 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 Humanities and Social 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 fieldwork 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 university and the Council on Social Work Education. Students may be terminated from the social work program if, in the professional judgment 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.

### Grade Requirement

A minimum grade of "C-" is required in all social work (SCWK) and cognate courses required in the major. Course work with a grade lower than "C-" must be repeated prior to graduation. Please see "Repeat Courses" in the ["Undergraduate Academic Policies"](#) section of this catalog.

### Requirements

- SCWK 250 Introduction to Social Welfare
- SCWK 270 Social Work Issues of Diversity and Oppression
- SCWK 320 Human Behavior and Social Environment I
- SCWK 321 Human Behavior and Social Environment II
- SCWK 338 Introduction to Social Work Practice
- SCWK 350 Social Welfare Policy
- SCWK 375 Data Analysis for Social Work
- or
- PSYC 201 Statistics for Psychology
- or
- SOCI 391 Seminar: Social Data Analysis
- SCWK 380 Research Methods in Social Work
- SCWK 431 Social Work Practice with Individuals, Families and Groups
- SCWK 432 Social Work Practice with Communities and Organizations
- SCWK 498 Field Experience in Social Work (two semesters; six credits each semester) (Writing intensive course in the major - CWRM)

### Elective

One course in social work (3 credits)

### Required cognates

- PSYC 100 Introductory Psychology
- SOCI 102 Introduction to Sociology

### One semester in a biology course (3 credits) from the following

- BIOL 100 General Principles of Biology
- BIOL 102 Introduction to Zoology
- BIOL 110 Biology: A Human Approach
- BIOL 111 Human Heredity
- BIOL 112 Biology and Human Thought
- BIOL 115 Microbial World and You
- BIOL 117 Environmental Biology
- BIOL 121 General Biology I
- BIOL 128 The Biology of Human Sexuality

### Recommended Social Work Electives

- SCWK 304 The Psychosocial Development of Women
- or
- WMST 304 The Psychosocial Development of Women
- SCWK 305 Interventions in 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

Total minimum credits: 54

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## ■ SOCIOLOGY

### Sociology, BA

#### Required Courses

- SOCI 102 Introduction to Sociology
- SOCI 290 Seminar: Social Theory
- SOCI 370 Seminar: Sociological Analysis (Writing intensive course in the major – CWRM)
- SOCI 390 Seminar: Research Methods in Sociology
- SOCI 391 Seminar: Social Data Analysis

Plus any one of the following (3 credits)

- 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 credits)

- 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 credits)

- 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 The Developing World

Plus three additional sociology courses, including those not already taken from the lists above, three of which must be at the 200 level or above (9 credits)

#### Capstone Requirement (3 credits)

Students must complete an Honors Thesis (SOCI 485); Seminar: Critical Issues in Sociology (SOCI 496); a research project (SOCI 497) or a three- credit internship (SOCI 498).

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the [“Undergraduate Academic Programs”](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the [“Undergraduate Academic Policies”](#) section of this catalog.

## Sociology, City, Community and Region, Concentration, BA

### Required Courses

- SOCI 102 Introduction to Sociology
- SOCI 206 Cities and People: Urban Sociology
- SOCI 290 Seminar: Social Theory
- SOCI 370 Seminar: Sociological Analysis (Writing intensive course in the major - CWRM)
- SOCI 390 Seminar: Research Methods in Sociology
- SOCI 391 Seminar: Social Data Analysis

### Two of the following courses (6 credits)

- SOCI 211 Homelessness in U.S. Society
- SOCI 351 Sustainable Cities
- CRJU 352 Urban Crime
- or
- SOCI 352 Urban Crime
- SOCI 353 Cities in a Global Context
- SOCI 356 Urban Disasters, Resilient Cities

### One of the following courses (3 credits)

- SOCI 207 Social Inequality
- SOCI 315 Race and Ethnicity in America
- SOCI 380 Qualitative Methods and Urban Ethnography
- SOCI 410 Sociology of Urban Planning and Policy
- SOCI 426 Urban Enclaves

Plus one additional sociology course, including those not already taken from the lists above, which must be at the 200-level or above (3 credits)

### Capstone Requirement (3 credits)

Students must complete an honors thesis (SOCI 485), Seminar: Critical Issues in Sociology (SOCI 496), a research project (SOCI 497) or a three-credit internship (SOCI 498). Total minimum credits: 33

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Sociology, Education Concentration, BA

### Required Courses

- SOCI 102 Introduction to Sociology
- SOCI 290 Seminar: Social Theory
- SOCI 305 Sociology of Education
- SOCI 332 Sociology of Organizations
- SOCI 370 Seminar: Sociological Analysis (Writing intensive course in the major – CWRM)
- SOCI 390 Seminar: Research Methods in Sociology
- SOCI 391 Seminar: Social Data Analysis

### One course from among the following (3 credits)

- SOCI 322 Sociology of Childhood
- SOCI 323 Sociology of Adolescence

### One course from among the following (3 credits)

- SOCI 204 Gender, Sexuality and Society
- SOCI 207 Social Inequality
- SOCI 312 Discrimination and Prejudice
- SOCI 315 Race and Ethnicity in America
- SOCI 330 Women's Roles: Sociology of Sex and Gender

Plus two additional sociology course, including those not already taken from the lists above, one of which must be at the 200 level or above (6 credits)

### Capstone Requirement (3 credits)

Students must complete an honors thesis (SOCI 485), Seminar: Critical Issues in Sociology (SOCI 496), a research project (SOCI 497) or a three-credit internship (SOCI 498).

Total minimum credits: 36

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Sociology, Global Studies Concentration, BA

### Required Courses

- SOCI 102 Introduction to Sociology
- SOCI 104 Global Social Problems
- SOCI 290 Seminar: Social Theory
- SOCI 370 Seminar: Sociological Analysis (Writing intensive course in the major - CWRM)
- SOCI 390 Seminar: Research Methods in Sociology
- SOCI 391 Seminar: Social Data Analysis

Plus one of the following (3 credits)

- SOCI 219 Population and Society
- SOCI 342 Comparative Sociology
- SOCI 353 Cities in a Global Context

Plus any two courses from the following (6 credits)

- SOCI 214 Middle Eastern Societies
- SOCI 217 East Asian Societies: China and Japan
- SOCI 218 Chinese Society and Culture
- SOCI 220 The Developing World
- SOCI 353 Cities in a Global Context

Plus one additional 300-level sociology course, not already taken from the lists above (3 credits)

Plus one additional 200-level or above global-focused course designated as meeting the Global Culture Core Curriculum Requirement.

Other global-focused courses may be used with prior approval from the department chairperson. (3 credits)

### Capstone Requirement (3 credits)

Complete one of the following

- SOCI 485 Honors Thesis
- SOCI 496 Senior Seminar: Critical Issues in Sociology
- SOCI 497 Research
- SOCI 498 Internship in Sociology (3 credits)

Total minimum credits: 36

## Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ SPANISH

### Spanish, BA

#### Grade Requirement

Students must receive the grade of "C" or higher in a LASP designated course (LASP 200 and above) for the course to count for the Spanish major. LASP 200 and 300 must be repeated if the grade earned is less than "C".

To qualify for graduation with a degree in Spanish, the student must have a major grade point average (GPA) of 2.3 or higher.

#### Required Courses

- LASP 200 Intermediate Spanish II
- LASP 300 Spanish Composition (Writing intensive course in the major - CWRM)

#### Elective Courses

Ten courses (30 credits) must be chosen from the following

- LASP 252 Reading in Spanish
- LASP 271 Patterns of the Spanish Language
- 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 19<sup>th</sup>-Century Spanish Literature
- LASP 410 Latin American Novel: Early Twentieth Century
- LASP 420 The Contemporary Latin American Novel
- LASP 451 20<sup>th</sup>-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.

#### Directed Study in Foreign Language

Students interested in enrolling in LANG 499 Directed Study in Foreign Language should apply and receive approval by their adviser and the department chairperson prior to the semester in which they intend to register. Directed study is limited to a maximum of six credits.

The following courses are not applicable towards the Spanish major.

- LASP 210 Latin American Poetry in Translation
- LASP 220 Contemporary Latin American Novel in Translation
- LASP 230 Contemporary Latin American Short Story in Translation

Courses with a LANG subject code (with the exception of LANG 498 and LANG 499 with approval)

Total minimum credits: 36

#### Core Curriculum Requirements

A minimum of 120 earned hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the "[Undergraduate Academic Programs](#)" section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum).

For additional graduation requirements, see the "[Undergraduate Academic Policies](#)" section of this catalog.

Note(s): SACHEM consortium courses and study abroad are available for transfer purposes. See the "[The Undergraduate Academic Experience](#)" of this catalog or further information. The Spanish major sequence is not available in the evening hours.

## ■ SPECIAL EDUCATION

### Special Education, Communication Disorders Concentration, BSE

#### Concentration Requirements

The minimum requirements for the communication disorders concentration include the following.

- SPED 203 Cultural Diversity Issues in School and Society
- COMD 220 Introduction to Communication Sciences and Disorders
- COMD 281 Speech Anatomy and Physiology
- COMD 282 Speech and Hearing Science
- COMD 290 Language Acquisition and Development
- COMD 294 Phonetics
- COMD 312 Language Disorders in Children
- COMD 313 Phonology and Articulation Disorders
- COMD 351 Introduction to Audiology
- COMD 393 Aural Rehabilitation
- COMD 480 Clinical Procedures: An Overview

Elective (choose one from the following) (3 credits)

- COMD 325 Voice Disorders in Children and Adults
- or
- COMD 381 Neurological Bases of Speech and Language

#### Required Cognates

- PSYC 227 Developmental Psychology

- ENGL 323 Introduction to Linguistics

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 credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

### Special Education, Teacher of Students with Moderate Disabilities (PreK-8 or 5-12) Concentration, BSE

#### Admission Requirements

- Candidates are enrolled in two majors: special education and an arts and sciences major
- 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

- In consultation with advisers, undertake appropriate course work and activities.
- Candidates must complete appropriate core curriculum and arts and sciences requirements.
  - a. PreK-8 candidates must, prior to the student teaching experience,
    1. complete an appropriate psychology course (either PSYC 224 or PSYC 227 or equivalent)
    2. have passed the General Curriculum MTEL®
    3. have passed the Foundations of Reading MTEL®
  - b. 5-12 candidates must, prior to the student teaching experience,
    1. complete an appropriate psychology course (PSYC 227 or equivalent)
    2. have either passed a subject content MTEL® or the General Curriculum MTEL® have passed the Foundations of Reading MTEL®
    3. have passed the Foundations of Reading MTEL®

#### Cognate Requirements

PreK-8 candidates must complete

- PSYC 224 Child Psychology  
or
- PSYC 227 Developmental Psychology or equivalent

5-12 candidates must complete

- PSYC 227 Developmental Psychology or equivalent

#### Licensure Requirements

- \* SPED 202 Introduction to Special Education  
or
- SPED 211 The Early Childhood Learner with Special Needs
- SPED 203 Cultural Diversity Issues in School and Society
- SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner
- SPED 303 Principles and Procedures of Assessment of Special Needs Learners
- SPED 401 Professional Practices for Beginning Special Educators
- SPED 402 Children with Reading Disability: Diagnosis and Teaching Strategies
- SPED 403 Curriculum Development and Implementation for Special Needs Learners
- SPED 431 Student Teaching Practicum -- Moderate Disabilities (PreK-8)  
or
- SPED 432 Student Teaching -- Moderate Disabilities (5-12)

Note(s): \* To be completed prior to admission to professional education and enrollment in upper-division education courses.

Total minimum credits: 30

#### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## Special Education, Teacher of Students with Severe Disabilities (All Levels) Concentration, BSE

### Admission Requirements

- Candidates are enrolled in two majors, special education and an arts and sciences major
- 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

- In consultation with advisers, undertake appropriate course work and activities
- Candidates must complete appropriate core curriculum and arts and sciences requirements
- Candidates must submit evidence that they have passed the General Curriculum MTEL® prior to the student teaching experience

### Licensure Requirements

- COMD 290 Language Acquisition and Development
- \* SPED 202 Introduction to Special Education
- SPED 203 Cultural Diversity Issues in School and Society
- SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner
- SPED 303 Principles and Procedures of Assessment of Special Needs Learners
- SPED 402 Children with Reading Disability: Diagnosis and Teaching Strategies
- SPED 410 Instructional and Curricular Strategies for Learners with Intensive Special Needs I
- SPED 411 Instructional and Curricular Strategies for Learners with Intensive Special Needs II (Writing intensive course in the major – CWRM)
- SPED 433 Student Teaching -- Severe Disabilities
- Note(s): \* To be completed prior to admission to professional education and enrollment in upper-division education courses.

Total minimum credits: 30

### Core Curriculum Requirements

A minimum of 120 earned credit hours is required for graduation. These earned hours include the Core Curriculum Requirements as specified in the ["Undergraduate Academic Programs"](#) section of this catalog and at the Core Curriculum Web site, [www.bridgew.edu/corecurriculum](http://www.bridgew.edu/corecurriculum). For additional graduation requirements, see the ["Undergraduate Academic Policies"](#) section of this catalog.

## ■ MINOR

### Accounting and Finance Minor

Students from majors other than Accounting and Finance 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

- 1) Both of the following courses
  - ACFI 100 Fundamentals of Financial Reporting
  - ACFI 200 Financial Accounting
- 2) Any two courses from the following (At least one must be an ACFI course) (6 credits)
  - ACFI 150 Personal Finance
  - ACFI 305 Business Law I
  - ACFI 340 Intermediate Accounting I
  - ACFI 341 Intermediate Accounting II
  - ACFI 350 Managerial Accounting
  - ACFI 385 Managerial Finance
  - ACFI 498 Internship in Accounting
  - COMP 105 Computers and Their Applications: An Introduction
  - COMP 151 Computer Science I
  - ECON 101 Principles of Microeconomics
  - ECON 102 Principles of Macroeconomics
  - MATH 141 Elements of Calculus I
  - MATH 144 Applied Calculus for Business
  - MATH 151 Calculus I
  - MGMT 130 Principles of Management



- MGMT 498 Internship in Management (No more than three credits in internship may be applied to the minor.)
- 3) Any two courses from the following (6 credits)

- 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(s): If ACFI 340 or ACFI 341 are used to satisfy requirement 2, they cannot be used to satisfy requirement 3.

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

### 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 an actuarial career or a career in a related area.

#### Requirements

- ACFI 100 Fundamentals of Financial Reporting
- ACFI 200 Financial Accounting
- ACFI 385 Managerial Finance
- MATH 151 Calculus I
- MATH 152 Calculus II
- MATH 251 Calculus III

Choose one course from the following (3 credits)

- ACFI 476 Insurance and Risk Management
- ACFI 490 Investments
- MATH 403 Probability Theory

Note(s): 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.

### African Studies Minor

The African studies minor is an interdisciplinary program designed to expose students to the richly diverse countries and cultures on the African continent and beyond. This comprehensive program will allow students to gain a thorough understanding of contemporary socio-economic, political, cultural and environmental issues pertaining to Africa in a globally interconnected world. The courses are drawn from more than a dozen affiliated departments. Students will be required to complete 18 credits as follows.

#### Required Course

- ANTH 209 Peoples and Cultures of Africa

#### Electives

Five courses (15 credits) from the list of approved courses (A)

Note(s): No more than six credits may be taken in any one department. Three credits may be included in the minor from the list of Optional Courses (B). Three credits may be included in the minor from the list of Africans in the Diaspora Courses (C). Students may include Second Year Seminars (298/299), Directed Studies (499), and/or Study Tours, as appropriate, with consent of the African Studies coordinator.

#### (A) Approved Courses

- ARTH 207 Introduction to African Art



- LACV 101 Elementary Cape Verdean Creole
- GEOG 171 Geography of the Developing World
- GEOG 388 Geography of Africa
- HIST 439 Topics in Non-United States History
- MUSC 109 Beginning African Drumming Ensemble
- MUSC 115 Instrumental Ensemble
- MUSC 162 Music of Africa
- DANP 166 African Dance

(B) Optional Courses

- ENGL 253 Non-Western Literature
- ENGL 497 Seminar: World Literatures and Cultures
- SOCI 104 Global Social Problems
- SOCI 220 The Developing World
- SOCI 280 Genocide and Political Violence

(C) Africans in the Diaspora Courses

- ANTH 215 The Caribbean
- DANP 153 Jazz Dance
- DANP 165 Tap Dance I
- DANP 167 Hip-Hop Dance
- DANP 237 Theory and Practice of Jazz Dance, Fall
- DANP 247 Theory and Practice of Jazz Dance, Spring
- ENGL 233 Introduction to the African-American Novel
- ENGL 317 African-American Literature I
- ENGL 318 African-American Literature II
- HIST 465 African-American History
- MUSC 151 Jazz, Pop and Show Choir
- MUSC 166 Survey of American Jazz
- SOCI 315 Race and Ethnicity in America

Total minimum credits: 18

For further information, interested students should contact Dr. Louise Badiane of the Department of Anthropology.

## 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**

- INTD 220 Introduction to American Studies
- INTD 420 American Studies Seminar (6 credits)

**Elective Courses (12 credits)**

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.

Total minimum credits: 21

For further information, interested students should contact the Department of English.

## Anthropology Minor

Anthropology minors are advised to take the following courses:

Any two of the following (6 credits)

- ANTH 100 Introduction to Cultural Anthropology

- ANTH 101 Biological Anthropology
- ANTH 103 Introduction to Archaeology

Plus any one of the following (3 credits)

- 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 Middle East

Plus 12 additional credits in anthropology (12 credits)

Total minimum credits: 21

## Art History Minor

Not open to art majors

Requirements

ARTH 103 Survey of Ancient and Medieval Art

- ARTH 104 Survey of Art from the 14<sup>th</sup> Century to the Present
- ARTH 309 Early Modern Art and Architecture

Select four additional courses from art history offerings at the 200 level or above.(12 credits)

- ANTH 309 Anthropology of Art and PHIL 225 Philosophy of Art are other options within this requirement

Total minimum credits: 21

## Asian Studies Minor

Choose any six of the following courses in at least two academic departments (18 credits)

- ANTH 216 Peoples and Cultures of the Middle East
- ARTH 205 Asian Art Survey: India, China and Japan
- ARTH 208 Survey of Islamic Art and Architecture
- COMM 365 Introduction to Intercultural Communication
- COMM 462 Patterns of International Communication
- ENGL 253 Non-Western Literature
- GEOG 374 Geography of the Middle East
- GEOG 375 Geography of South Asia
- GEOG 376 Geography of East Asia
- HIST 151 Asian Civilization
- HIST 473 Asian-American History
- HIST 474 Islamic Civilization to 1400
- HIST 475 The Modern Middle East
- HIST 480 History of Imperial China
- 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
- LAAR 101 Elementary Arabic I
- LAAR 102 Elementary Arabic II
- LACH 101 Elementary Chinese I
- LACH 102 Elementary Chinese II
- LAJA 101 Elementary Japanese I
- LAJA 102 Elementary Japanese II
- LAJA 151 Intermediate Japanese
- LAJA 172 Business Japanese
- PHIL 212 Philosophies of India
- PHIL 213 Philosophies of China and Japan
- POLI 330 Asian Politics
- PSYC 200 Non-Western Theories of Personality
- SOCI 214 Middle Eastern Societies
- SOCI 217 East Asian Societies: China and Japan

- SOCI 218 Chinese Society and Culture
- THEA 222 Asian Theater

Note(s): First- and second-year seminars relating to Asia may be petitioned to be substituted for an Asian studies minor course. Study 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, three out of six minor requirements. At least half of the minor (nine credits) must be completed at Bridgewater State University.

Total minimum credits: 18

For further information, contact Dr. Wing-kai To in the History Department.

## Aviation Science Minor

The aviation science minor is divided into two options: a flight option and an aviation management option.

### Flight Option

- AVSC 100 Private Pilot Flight
- AVSC 105 Private Pilot Ground School
- MGMT 130 Principles of Management

Plus six credits in electives selected from the list below

Total minimum credits (flight option): 18

### Aviation Management Option

- AVSC 305 Introduction to General Aviation Management
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management

Plus nine credits in electives selected from the list below

Total minimum credits (aviation management option): 18

### 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

Note(s): Flight courses involve flight fees.

## Biochemistry Minor

### Requirements

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- CHEM 343 Organic Chemistry I
- CHEM 344 Organic Chemistry II
- CHEM 461 General Biochemistry I
- CHEM 462 General Biochemistry II

Total minimum credits: 23

## Biology Minor

A minimum of 18 credits in biology, including

- BIOL 121 General Biology I

At least 14 additional credits in biology at or above the 200 level planned in consultation with the chairperson of the Department of Biological Sciences (14 credits)

Note(s): 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
- BIOL 200 Cell Biology
- BIOL 321 Genetics
- BIOL 428 Microbiology

At least four additional credits in biology from the biomedical/molecular biology concentration electives\* planned in consultation with the chairperson of the Department of Biological Sciences (4 credits)

\*Please see [Biology, Biomedical/Molecular Biology Concentration, BS](#) for concentration elective information.

Total minimum credits: 20

## 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, economics, music, 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 Canadian Studies.

### Requirements

- INTD 200 Introduction to Canadian Studies

Three courses with at least one from each area (9 credits)

#### 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

- GEOG 386 Geography of Canada
- POLI 377 Canadian-American Political Relations

Two electives, one from each of the following two groups (6 credits)

#### A) One course selected from the following

- ANTH 206 Native Cultures of North America
- ANTH 328 Archaeology of North America
- ARTH 135 Freshman Honors Colloquium (when Canadian art is included)
- ARTH 136 Freshman Honors Colloquium (when Canadian art is included)
- CRJU 399 Special Topics in Criminal Justice 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

- BIOL 117 Environmental Biology Canada
- ECON 302 The Canadian Economy: A Comparative Approach
- ECON 321 International Economics (when Canada is included)
- POLI 377 Canadian-American Political Relations
- POLI 386 Canadian Politics

Total minimum credits: 18

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](http://www.bridgew.edu/Canada).

## Chemistry Minor

### Requirements

- CHEM 100 Computers in Chemistry  
or

One other chemistry course at the 200-level or higher

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II
- CHEM 343 Organic Chemistry I
- CHEM 344 Organic Chemistry II

Total minimum credits: 18

## 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 university'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 Department of Political Science's Center for Legislative Studies.

### Requirements of the minor

#### Grade Requirement

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 Citizenship and Community Leadership

#### Experiential and Service Learning Course (3 credits)

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 Internship in Political Science
- COMM 498 Internship in Communication
- ECON 498 Internship in Economics
- ENGL 498 Internship in English
- GEOG 498 Internship in Geography or Planning
- HIST 498 Internship in History
- MGMT 498 Internship in Management
- PSYC 498 Clinical Practicum
- SCWK 498 Field Experience in Social Work
- SOCI 498 Internship in Sociology

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 credits)

Students must take one course (three 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 (six credits) from the same department, *and* at least three of the courses (nine 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 226 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 I
- ENGL 202 Business Communication
- ENGL 302 Technical Writing II
- ENGL 396 Rhetoric and Style

#### Leadership, Management and Organizations

- 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
- MGMT 340 Contemporary Employee Relations
- MGMT 375 Training and Development
- POLI 279 Introduction to Public Administration
- POLI 399 Collective Bargaining in the Public Sector
- POLI 495 Administrative Law and Regulation
- PSYC 313 Industrial and Organizational Psychology
- SOCI 332 Sociology of Organizations

#### Local and Regional Affairs

- ANTH 426 Seminar: New England Ethnic and Regional Communities
- ECON 350 Urban Economic Problems and Policies
- GEOG 353 Urban Geography
- GEOG 462 Principles of Urban Planning
- GEOG 463 Applications in Urban Planning
- HIST 464 New England Textile Communities: Social and Economic History
- POLI 277 American Government: State and Local
- POLI 376 Urban Politics
- SOCI 206 Cities and People: Urban Sociology
- SOCI 426 Urban Enclaves

#### Politics, Economics and Governance

- ANTH 331 Political Anthropology
- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 340 Law and Economics
- GEOG 350 Economic Geography
- GEOG 355 Political Geography
- GEOG 431 Environmental Regulations
- HIST 443 United States History: The Early National Period
- PHIL 222 Philosophy of Law
- POLI 341 Constitutional Law and Politics: The Powers of Government
- POLI 372 Legislative Process and Procedure
- POLI 375 American Political Parties and Interest Groups
- POLI 380 Public Opinion and Mass Political Behavior
- POLI 390 Public Finance
- POLI 391 The American Presidency
- POLI 479 Public Policy
- POLI 495 Administrative Law and Regulation

#### Social Justice and Social Change

- ANTH 115 Anthropology of Race, Class, and Gender
- ANTH 204 Global Human Issues

- ANTH 208 Anthropology of Women
- ANTH 305 Culture Change
- ANTH 319 Contemporary Native Americans
- ANTH 435 Seminar: Global Feminism
- GEOG 333 Geography of Environmental Justice
- HIST 453 United States History: Progressive Era
- HIST 465 African-American History
- HIST 466 Women in American History
- HIST 473 Asian-American History
- INTD 240 Critical Perspectives in Women's and Gender Studies
- PHIL 235 Human Rights and Human Liberties
- POLI 342 Constitutional Law and Politics: The First Amendment
- POLI 343 Constitutional Law and Politics: Liberty and Equality
- POLI 389 Racial Politics in the United States
- POLI 476 Women and Politics
- PSYC 310 Social Psychology
- SCWK 250 Introduction to Social Welfare
- SCWK 270 Social Work Issues of Diversity and Oppression
- SCWK 333 Current Issues in Aging: A Multidisciplinary Perspective
- SCWK 350 Social Welfare Policy
- SCWK 415 Social Services in Alcohol and Substance Abuse
- SCWK 432 Social Work Practice with Communities and Organizations
- SOCI 103 Social Problems
- SOCI 104 Global Social Problems
- SOCI 207 Social Inequality
- SOCI 312 Discrimination and Prejudice
- SOCI 315 Race and Ethnicity in America
- SOCI 316 Social Movements

Total minimum credits: 21

### Coaching Minor

The coaching minor meets the needs of the coaching profession by providing an opportunity 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.

The minor is not open to those already concentrating in coaching.

#### Required Courses

- ATTR 112 Sports First Aid
- PHED 200 Fitness for Life
- PHED 210 Developmental Kinesiology
- PHED 217 Principles of Motor Learning and Performance
- PHED 414 Coaching
- PHED 416 Planning and Implementing Coaching Leadership Strategies
- PHED 498 Field Experience in Physical Education (three credits only)

Total minimum credits: 21

### Communication Disorders Minor

#### Minor Requirements

- COMD 220 Introduction to Communication Sciences and Disorders
- COMD 281 Speech Anatomy and Physiology
- COMD 282 Speech and Hearing Science
- COMD 290 Language Acquisition and Development
- COMD 294 Phonetics
- COMD 351 Introduction to Audiology

Total minimum credits: 18

### Communication Studies Minor



### Requirements

- COMM 221 Foundations of Communication
- COMM 222 Communication Studies Theory

Plus 12 additional credits selected from communication (COMM) courses, of which six must be at the 300 level or higher (12 credits)

Total minimum credits: 18

## Computer Science Minor

### Requirements

- COMP 151 Computer Science I
- COMP 152 Computer Science II
- COMP 330 Data Structures and Algorithms

Three additional courses to be selected from the following (9 credits)

- PHYS 442 Digital Electronics I

or

Any course counting toward the computer science major

Total minimum credits: 18

## 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 credits)

- CRJU 201 Introduction to Criminal Justice
- CRJU 410 Applied Crime Theory in Criminal justice

Choose one course from the following (3 credits)

- CRJU 331 Police, Community and Society
- CRJU 335 Criminal Law and the Courts
- CRJU 354 Corrections

Criminal Justice electives (choose any three courses) (9 credits)

- CRJU 213 The Juvenile Justice System
- CRJU 227 Deviance and Social Control
- or
- SOCI 227 Deviance and Social Control
- CRJU 255 Juvenile Delinquency
- or
- 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 334 White Collar Crime
- or
- SOCI 334 White Collar Crime
- CRJU 339 Violence, Guns and Society
- or
- 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 Crime
- CRJU 425 Comparative Crime and Deviance
- CRJU 426 Ethnography and Crime Analysis
- CRJU 485 Honors Thesis
- PSYC 269 Psychology of Criminal Behavior
- SOCI 310 Women and Crime

Total minimum credits: 18

## Dance Minor

The dance minor is an interdisciplinary program in the Departments of Theater and Dance and Movement Arts, Health Promotion and Leisure Studies. 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

- DANC 155 Dance Practicum (two semesters)
- DANC 255 Creative Dance I
- DANC 256 Creative Dance II
- DANC 263 Dance History to 1915
- or
- DANC 264 Dance History from 1915
- DANC 357 Dance Production Theory
- DANC 358 Dance Production Techniques
- DANP 242 Theory and Practice of Ballet, Fall
- or
- DANP 245 Theory and Practice of Ballet, Spring

Choose six credits from the following

- DANP 237 Theory and Practice of Jazz Dance, Fall
- DANP 242 Theory and Practice of Ballet, Fall
- DANP 245 Theory and Practice of Ballet, Spring
- DANP 247 Theory and Practice of Jazz Dance, Spring
- DANP 248 Theory and Practice of Modern Dance, Fall
- DANP 249 Theory and Practice of Modern Dance, Spring
- DANC 259 Dance Repertory
- DANP 271 Theory and Practice of Tap Dance

Choose one

- DANP 161 Folk Dance
- DANP 164 Square Dance
- DANP 168 Ballroom Dance
- DANP 268 Ballroom Dance II - Theory, Practice and Performance

Note(s): Music 160 Music: A Listening Approach is recommended but not required.

All activity courses successfully completed in this minor count toward the minimum 120 degree credits required for graduation.

Total minimum credits: 23

## Earth Sciences Minor

### Requirements

- EASC 100 Physical Geology
- EASC 101 Historical Geology

Four additional earth science courses (departmental approval required) (12 credits)

Total minimum credits: 20

## Economics Minor

The minor in economics offers a basic program that enables students to become familiar with some aspects of the economy and provides them with training in economic analysis and problem-solving techniques.

### Requirements

- ECON 101 Principles of Microeconomics
- ECON 102 Principles of Macroeconomics
- ECON 201 Intermediate Microeconomic Theory and Policy
- ECON 205 Intermediate Macroeconomic Theory and Policy

- ECON 210 Statistics for Economics and Business \*

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.

Total minimum credits: 21

## 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. 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

## Environmental Biology Minor

A minimum of 19 credits in biology, including

- BIOL 121 General Biology I
- BIOL 122 General Biology II
- BIOL 225 General Ecology

At least seven additional credits in biology from the ecological biology concentration electives\* planned with the chairperson of the Department of Biological Sciences (7 credits)

\*Please see [Biology, Ecological Biology Concentration, BS](#) for concentration elective information.

Total minimum credits: 19

## Exercise Physiology Minor

A minor in exercise physiology is available to students 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. This minor is not open to students already concentrating in Exercise Science/Health Fitness.

### Required Courses

- PHED 400 Physiology and Techniques of Strength Fitness
- PHED 401 Physiology of Exercise
- PHED 402 Exercise Metabolism
- PHED 403 Cardiovascular Analysis, Evaluation, and Rehabilitation
- PHED 404 Exercise Prescription
- BIOL 102 Introduction to Zoology
- HEAL 471 Nutrition
- or
- PHED 284 Foundations of Sport and Exercise Nutrition

Total minimum credits: 23

## Film Studies Minor

The Film Studies minor is designed to foster students' understanding and appreciation of cinematic texts, industries, and audiences. Students pursuing the minor will think, speak, and write critically about visual media from a variety of disciplinary perspectives, enabling them to participate as thoughtful citizens in our increasingly globalized and mediated world. Students must take both an introductory film class and a film history class, with twelve additional credits of elective film courses. Students may not complete the minor by taking courses in only one department; to underscore the interdisciplinary nature of this minor, students must choose courses in at least two departments. Students need 18 credits to complete the minor.

### Required Courses

#### Film Introduction (3 credits)

- COMM 225 Film as Communication
- or
- ENGL 261 Film Study: Introduction to the Art

#### Film History (3 credits)

- COMM 310 Film History: Western Cinema

#### Electives (12 credits)

Choose four courses from the following

- COMM 350 Documentary Film
- COMM 371 Global Cinema

- COMM 401 Film Theory and Criticism
- COMM 430 Topics in Film
- ENGL 262 Film Study: Literature and Film
- LANG 350 International Women's Cinema
- LASP 350 Gender, Sexuality and Politics in Hispanic Cinema

For information on other approved courses for the Film Studies Minor (First Year or Second Year Seminars, or topic courses), contact the chairperson of the Department of English, Communication Studies or Foreign Languages.

Total minimum credits: 18

## Geography Minor

### Requirements

- GEOG 121 Physical Geography
- GEOG 151 Human Geography

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 regional course
- a topical course
- a techniques course

Total minimum credits: 18

## Geophysics Minor

A minor in geophysics is jointly offered through the Department of Earth Sciences and the Department of Geography. For further information, contact the department chairpersons.

## GLBT Minor

The GLBT minor is designed to allow students to explore sexuality and sexual diversity by examining the history and present conditions of sexual and gender formation, as well as ideologies of sexuality, from a range of disciplinary perspectives. Specific courses focus on politics, cultures, representations and literature of gay, lesbian, bisexual and transgendered persons, as well as ways to analyze and address issues of homophobia, heterosexism and other intersecting forms of oppression.

### Required Courses

- INTD 240 Critical Perspectives in Women's and Gender Studies
- INTD 265 Introduction to GLBT Studies

### Electives

Two courses from the following (6 credits)

- ANTH 417 Seminar: She/He "Two Spirits" Gender Cross-Culturally
- COMM 355 Images of Gender in Media
- LANG 350 International Women's Cinema
- POLI 343 Constitutional Law and Politics: Liberty and Equality
- SOCI 204 Gender, Sexuality and Society

Note(s): Students may include relevant topic courses such as XXXX 298/299 Second Year Seminar, directed studies and study tours as appropriate with the consent of the Women's and Gender Studies coordinator.

Two additional courses, not already taken above, from the list of approved Women's and Gender Studies courses (6 credits)

Total minimum credits: 18

For additional information about the GLBT minor, contact Dr. Diana Fox, Department of Anthropology .

## Approved Women's and Gender Studies Courses

### Anthropology

- ANTH 115 Anthropology of Race, Class, and Gender
- ANTH 208 Anthropology of Women
- ANTH 314 Women in Myth and Lore
- ANTH 417 Seminar: She/He "Two Spirits" Gender Cross-Culturally
- ANTH 435 Seminar: Global Feminism

### Art

- ARTH 308 Women in the Visual Arts

### Communication Studies

- COMM 355 Images of Gender in Media

### Criminal Justice

- CRJU 241 Women and Violence
- CRJU 369 Gender, Crime and Justice

#### English

- ENGL 327 Women Writers: The Female Tradition to 1900
- ENGL 328 Women Writers: The Female Tradition since 1900
- \* ENGL 389 Topics in Writing  
\*Gender and Writing

#### Foreign Language

- LASP 350 Gender, Sexuality and Politics in Hispanic Cinema

#### Health

- HEAL 420 Women's Health Issues

#### History

- HIST 421 European Women's History: Medieval Renaissance and Reformation
- HIST 466 Women in American History
- \* HIST 495 Undergraduate History Colloquium

#### Interdisciplinary

- WMST 304 The Psychosocial Development of Women  
or
- SCWK 304 The Psychosocial Development of Women
- INTD 499 Directed Study (in women's studies and gender topics)

#### Photography

- ARTS 216 Photography I

#### Philosophy

- PHIL 232 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 365 Women in Sports  
or
- PHED 365 Women in Sports  
\*Women's Health Issues

#### Social Work

- SCWK 270 Social Work Issues of Diversity and Oppression

Note(s): \* Certain titles are offered under departmental topics courses and may be applied to the required electives upon approval of the women's and gender studies coordinator.

## Graphic Design Minor

This minor develops the necessary skills and critical thinking specifically relevant to the graphic design discipline while augmenting a student's major course of study in related fields of study, such as communication studies, computer science and business. The curriculum is studio based, developing competence in both traditional processes and new technologies. The student learns the following: creative problem solving skills, analysis, spatial thinking and design principles, all emphasizing the rigor of a design studio or advertising firm.

Not open to Art majors.

#### Requirements

- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 260 Graphic Design I
- ARTS 361 Graphic Design II
- ARTS 362 Graphic Design III
- ARTH 218 History of Photography

Complete one course (three credits) from the following (3 credits)

- Any 200-level ARTS studio course not taken above
- ARTS 140 Three-Dimensional Design

- ARTS 463 Projects in Graphic Design

Total minimum credits: 21

### Health Promotion Minor

The department offers a health promotion minor, which is open to all undergraduates with the exception of health studies 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
- HEAL 315 School and Community Health
- HEAL 401 Human Sexuality
- HEAL 405 Drugs in Society
- HEAL 471 Nutrition
- HEAL 477 Environmental and Consumer Health

#### Elective (choose one)

- HEAL 300 Current Issues in Health
- HEAL 302 American Red Cross Standard First Aid
- HEAL 385 Epidemiology: The Study of Diseases
- 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 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 human service-oriented professions.

#### Required Courses

- ACFI 100 Fundamentals of Financial Reporting
- HEAL 102 Health and Wellness
- HEAL 385 Epidemiology: The Study of Diseases
- MGMT 130 Principles of Management
- MGMT 140 Human Resources Management

#### Electives (choose one) (3 credits)

- ACFI 200 Financial Accounting
- 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 Training and Development

Total minimum credits: 18

Students interested in the health resources management minor should contact Dr. Lydia Burak in the Department of Movement Arts, Health Promotion and Leisure Studies.

### History Minor

#### Required Courses

- HIST 111 Western Civilization to the Reformation  
or
- HIST 131 World History to 1500

- HIST 112 Western Civilization since the Reformation  
or
- HIST 132 World History since 1500
- HIST 221 United States History and Constitutions to 1865
- HIST 222 United States History and Constitutions since 1865

One course from the 300-400 upper level courses. Students may select from the following areas (3 credits)

Area III Ancient, Medieval, Early Modern Europe

Area IV Modern Europe

Area VII Traditional World

Area VIII Modern World

One course from the 300-400 upper level courses. Students may select from any one of the following areas (3 credits)

Area V United States History to 1877

Area VI United States History since 1877

Only six credits of 100-level and six credits of 200-level courses may be applied toward the history minor.

Total minimum credits: 18

## Undergraduate History 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 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 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  
HIST 437 European National Histories: France
- HIST 439 Topics in Non-United States History (when appropriate)
- HIST 495 Undergraduate History Colloquium (when appropriate) (Writing intensive course in the major - CWRM)

### Area IV - Modern Europe

- HIST 426 British Empire and Commonwealth since 1815
- HIST 427 The British Atlantic World: 1500-1800
- HIST 429 The French Revolution and the Napoleonic Era
- HIST 430 19<sup>th</sup>-Century Europe
- HIST 431 20<sup>th</sup>-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) (Writing intensive course in the major - CWRM)



**Area V - United States History to 1877**

- HIST 427 The British Atlantic World: 1500-1800
- 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) (Writing intensive course in the major - CWRM)

**Area VI - United States History since 1877**

- HIST 440 Topics in United States History (when appropriate)
- 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
- 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) (Writing intensive course in the major - CWRM)

**Area VII - The Traditional World**

- HIST 400 The Ancient World: Near East
- HIST 410 Latin American Women and Gender History
- 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) (Writing intensive course in the major - CWRM)

**Area VIII - Modern World**

- HIST 410 Latin American Women and Gender History
- 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 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) (Writing intensive course in the major - CWRM)

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 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 (Writing intensive course in the major)
- 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

### Latin American and Caribbean Studies Minor

The Latin American and Caribbean studies minor at Bridgewater State University 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. Not more than nine credits in a single department may count toward the minor. 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 215 The Caribbean
- † ANTH 355 Anthropological Study Tour  
or
- † ANTH 555 Anthropology Study Tour (Country to be determined)
- † ANTH 399 Special Topics in Anthropology

#### Art

- ARTH 219 MesoAmerican Art and Architecture

#### English

- † ENGL 251 Literary Themes

#### Foreign Language

- LASP 210 Latin American Poetry in Translation
- LASP 220 Contemporary Latin American Novel in Translation
- LASP 230 Contemporary Latin American Short Story in Translation
- LASP 290 Spanish Phonetics and Dialectology
- LASP 310 Contemporary Latin American Short Story
- LASP 320 Latin American Poetry
- LASP 350 Gender, Sexuality and Politics in Hispanic Cinema
- LASP 392 Spanish-American Civilization
- LASP 402 Survey of Spanish-American Literature
- LASP 403 Topics in Spanish-American Literature
- LASP 420 The Contemporary Latin American Novel
- LASP 490 Seminar in Hispanic Literature
- LASP 495 Seminar in Spanish-American Literature

#### Geography

- GEOG 171 Geography of the Developing World
- GEOG 381 Geography of Latin America
- † GEOG 490 Seminar in Geography

- \*† GEOG 550 Contemporary Issues in Geography

#### History

- HIST 161 History and Culture of Mexico
- HIST 410 Latin American Women and Gender History
- HIST 420 Early Modern Europe: Society and Culture
- † 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

#### Political Science

- POLI 381 United States and 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

#### Sociology

- SOCI 280 Genocide and Political Violence

Note(s): † 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. Sandra Faiman-Silva, Department of Anthropology.

\* Formal application required. See the ["Graduate and Undergraduate Credit"](#) section of this catalog.

Total minimum credits: 18

### 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.

#### Grade Requirement

Students minoring in management who enroll in MGMT 130, MGMT 140 and MGMT 200 must achieve a grade of "C-" or better in these courses.

#### Required Courses\*

- ACFI 100 Fundamentals of Financial Reporting
- MGMT 130 Principles of Management
- MGMT 200 Marketing Principles

Plus three additional electives from any ACFI or MGMT courses for which prerequisites have been completed (9 credits)

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.

Note(s): \* At least one-half of the courses required for the minor must be successfully completed at this university.

Total minimum credits: 18

### Mathematics Minor

A minimum of 18 credit hours is required. Students must satisfy the following three requirements

#### Requirements

- MATH 151 Calculus I
- MATH 152 Calculus II
- or
- MATH 141 Elements of Calculus I
- MATH 142 Elements of Calculus II

One course from among the following (3 credits)

- MATH 120 Introduction to Linear Algebra
- MATH 202 Linear Algebra
- MATH 214 Introduction to Modern Algebra

Three additional courses from among the following (9 credits)

- 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 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 Elementary Statistics I and
- MATH 200 Probability and Statistics
- MATH 120 Introduction to Linear Algebra and
- MATH 202 Linear Algebra
- MATH 214 Introduction to Modern Algebra and
- MATH 301 Abstract Algebra I

Total minimum credits: 18

### Middle East Studies Minor

The Middle East Studies minor is an interdisciplinary minor encompassing six courses (18 credits). No more than two courses may be taken in one department. At least three courses (nine credits) must be taken at 300 level and above. Special topics courses can be included in the minor, depending upon the specific topic covered with relation to the Middle Eastern region.

#### Grade Requirement

A grade of "C" or higher is required for all courses in the minor.

Complete six courses from the following (18 credits)

- ANTH 216 Peoples and Cultures of the Middle East
- ANTH 340 Myths and Peoples of the Ancient Near East
- ARTH 208 Survey of Islamic Art and Architecture
- ARTH 211 Monuments as Cultural Symbols and Emblems of Power
- ARTH 311 Orientalism
- \* ARTH 414 Global Art History Study Tour (Advanced)
- COMM 365 Introduction to Intercultural Communication
- \* COMM 430 Topics in Film
- COMM 462 Patterns of International Communication
- GEOG 374 Geography of the Middle East
- \* HIST 439 Topics in Non-United States History The Islamic Religious Tradition
- HIST 474 Islamic Civilization to 1400
- HIST 475 The Modern Middle East
- \* HIST 495 Undergraduate History Colloquium Islamic History
- LAAR 101 Elementary Arabic I
- LAAR 102 Elementary Arabic II
- POLI 385 Government and Politics in the Middle East
- SOCI 214 Middle Eastern Societies

Note(s): \* Special topics and study tour courses may be included in the minor, depending upon the specific topic covered, with prior consent of the Middle East Studies minor coordinator.

Total minimum credits: 18

Students interested in the Middle East Studies minor should contact Dr. Jabbar Al-Obaidi, coordinator.

### Music Minor

Note: Music minors are not required to audition, but should consult with the department chairperson as early as possible so that they may be advised concerning prerequisites and placement.

#### Required Courses

- MUSC 162 Music of Africa  
or
- MUSC 163 Introduction to World Music
- MUSC 140 Class Piano I  
or

- MUSC 240 Class Piano II
- MUSC 270 Sight-Singing and Ear-Training I
- MUSC 271 Music Theory I
- MUSC 281 Music History I
- or
- MUSC 282 Music History II

Ensembles (Choose from list below. No more than one credit each may be taken in MUSC 109 and MUSC 115) (3 credits)

- MUSC 109 Beginning African Drumming Ensemble
- MUSC 112 Wind Ensemble
- MUSC 113 Jazz Band
- MUSC 115 Instrumental Ensemble
- MUSC 118 Chorale
- MUSC 119 Vocal Ensemble
- MUSC 151 Jazz, Pop and Show Choir
- MUSC 152 Opera Ensemble
- MUSC 183 String Ensemble

Three additional credits from among the following: (3 credits)

- MUSC 121 Performance Studies I (Private Lessons - Brass)
- MUSC 221 Performance Studies II (Private Lessons - Brass)
- MUSC 321 Performance Studies III (Private Lessons - Brass)
- MUSC 421 Performance Studies IV (Private Lessons - Brass)
- MUSC 122 Performance Studies I (Private Lessons - Percussion)
- MUSC 222 Performance Studies II (Private Lessons - Percussion)
- MUSC 322 Performance Studies III (Private Lessons - Percussion)
- MUSC 422 Performance Studies IV (Private Lessons - Percussion)
- MUSC 123 Performance Studies I (Private Lessons - Violin, Viola)
- MUSC 223 Performance Studies II (Private Lessons - Violin, Viola)
- MUSC 323 Performance Studies III (Private Lessons - Violin, Viola)
- MUSC 423 Performance Studies IV (Private Lessons - Violin, Viola)
- MUSC 124 Performance Studies I (Private Lessons - Woodwinds)
- MUSC 224 Performance Studies II (Private Lessons - Woodwinds)
- MUSC 324 Performance Studies III (Private Lessons - Woodwinds)
- MUSC 424 Performance Studies IV (Private Lessons - Woodwinds)
- MUSC 125 Performance Studies I (Private Lessons - Guitar)
- MUSC 225 Performance Studies II (Private Lessons - Guitar)
- MUSC 325 Performance Studies III (Private Lessons - Guitar)
- MUSC 425 Performance Studies IV (Private Lessons - Guitar)
- MUSC 126 Performance Studies I (Private Lessons - Cello, Bass)
- MUSC 226 Performance Studies II (Private Lessons - Cello, Bass)
- MUSC 326 Performance Studies III (Private Lessons - Cello, Bass)
- MUSC 426 Performance Studies IV (Private Lessons - Cello, Bass)
- MUSC 131 Performance Studies I (Private Lessons - Voice - Singing)
- MUSC 231 Performance Studies II (Private Lessons - Voice - Singing)
- MUSC 331 Performance Studies III (Private Lessons - Voice - Singing)
- MUSC 431 Performance Studies IV (Private Lessons - Voice - Singing)
- MUSC 141 Performance Studies I (Private Lessons - Piano)
- MUSC 241 Performance Studies II (Private Lessons - Piano)
- MUSC 341 Performance Studies III (Private Lessons - Piano)
- MUSC 441 Performance Studies IV (Private Lessons - Piano)
- MUSC 130 Voice Class I
- MUSC 162 Music of Africa
- or
- MUSC 163 Introduction to World Music (if not taken as a required course)
- MUSC 166 Survey of American Jazz
- MUSC 230 Voice Class II
- MUSC 273 Music Theory II

- MUSC 281 Music History I  
or
- MUSC 282 Music History II (if not taken as a required course)
- MUSC 363 Music of Bach, Handel and Vivaldi
- MUSC 364 Music of the Classical and Romantic Periods
- MUSC 367 Music by Women Composers
- MUSC 369 Music of the 20<sup>th</sup> Century
- MUSC 371 Counterpoint
- MUSC 372 Form and Analysis of Music I: 1700-1900
- MUSC 373 Composition I
- MUSC 399 Special Topics in Music
- MUSC 472 Form and Analysis II: The 20<sup>th</sup> Century
- MUSC 499 Directed Study in Music

Total minimum credits: 21

## 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

## Physics Minor

### Required Courses

- PHYS 244 General Physics II
- PHYS 401 Modern Physics

### Additional Requirements

Complete 10 additional credits in physics (PHYS) courses acceptable to the physics major

Please see [Physics, General Physics Concentration, BA](#) for concentration elective information.

Total minimum credits: 18

## Political Science Minor

A student may qualify as a political science minor by completing the requirements below.

### Grade Requirement

No grade lower than a "C-" in a political science (POLI) course may be used to fulfill the requirements for the political science major or minor. Students receiving a "D" or "F" in a political science course may continue as political science majors or minor 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 area for the major or minor.

### Requirements

- POLI 172 Introduction to American Government

Distribution I: Complete at least four of the following courses (12 credits)

- POLI 201 Citizenship and Community Leadership
- 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

Distribution II: Students must complete at least six credits at the POLI 300 or POLI 400 level.

Note(s) Only three credits in each of the following may be applied to the minor:

- POLI 498 Internship in Political Science
- POLI 499 Directed Study in Political Science

Practicum in political science including POLI 301 Model Senate Practicum and POLI 302 Moot Court and Mock Trial Practicum.

Internship, directed study and special topics in political science credits may be applied to the minor requirements only if they are related to the minor. This determination is made by the department chairperson.

Total minimum credits: 21

## Portuguese Minor

Students can take the following two courses, or place directly into LAPO 102 based on the Portuguese Placement Exam. See the ["Foreign Languages"](#) section of this catalog for additional information.

#### Basic Language Courses

- LAPO 101 Elementary Portuguese I
- LAPO 102 Elementary Portuguese II

#### Core Courses

- LAPO 151 Intermediate Portuguese I
- LAPO 152 Intermediate Portuguese II
- LAPO 252 Reading in Portuguese
- LAPO 271 Review of Portuguese Grammar

#### Additional required course

Students must choose one of the following courses (3 credits)

- LAPO 272 Portuguese Composition
- LAPO 281 Portuguese Conversation

Total minimum credits: 18

### Psychology Minor

#### Requirements

- PSYC 100 Introductory Psychology

Five other psychology courses to fit the needs of the individual student (15 credits)

Total minimum credits: 18

### Public History Minor

The interdisciplinary minor in public history is a program of courses offered by the Departments of Anthropology, History and Sociology 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 493 Museum Management: A Practicum
- HIST 498 Internship in History
- ANTH 103 Introduction to Archaeology
- ANTH 303 Archaeological Field Excavation in Prehistoric Sites in New England
- or
- ANTH 328 Archaeology of North America
- ANTH 410 Public Archaeology

#### Electives (Choose one) (3 credits)

- HIST 440 Topics in United States History (Public History)
- HIST 441 United States History: The Colonial Period 1607-1763
- 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: 18

For further information students should contact Dr. Leonid Heretz, Chairperson, Department of History.

### 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 226 Introduction to Public Relations
- COMM 312 Writing for Public Relations
- COMM 391 Public Relations Practicum
- MGMT 130 Principles of Management
- MGMT 200 Marketing Principles



- MGMT 424 Advertising

#### Elective Course

Choose one (3 credits)

- COMM 353 Corporate Communications and Social Responsibility
- 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.

### Recreation Minor

The recreation minor is open to all undergraduates with the exception of students enrolled in the recreation concentration or recreation and fitness club administration concentration. 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
- RECR 332 Leadership and the Group Process
- RECR 461 Organization and Administration in Recreation
- RECR 462 Programming for Recreation and Leisure

Two additional courses in recreation to be chosen with department approval depending upon elected area of specialization.

#### Recommended Elective Experience

- RECR 498 Field Experience in Recreation

Total minimum credits: 18

### Russian and East European Studies Minor

The Russian and East European Studies is a multidisciplinary minor encompassing 18 credit hours to be selected from courses offered in the Departments of Economics, Foreign Languages, Geography, History and Political Science. 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 core curriculum requirement 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."

#### Required Courses

- LARU 151 Intermediate Russian I
- LARU 152 Intermediate Russian II
- HIST 436 History of East-Central Europe since 1918
- or
- HIST 435 History of the U.S.S.R.
- GEOG 380 Geography of Russia/C.I.S.
- ECON 320 Comparative Economics
- POLI 275 Comparative Government

Total minimum credits: 18

For further details, contact the Department of History.

### 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 below.

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 below), 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 sciences, English, history, mathematics, physics – grades 8-12)\***

- EDHM 210 Introduction to Teaching
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- EDHM 490 Teaching Practicum

An appropriate “strategies for teaching” course (3 credits)

- HSED 412 Strategies for Teaching in the High School - History/Political Science
- HSED 414 Strategies for Teaching in the High School - English
- HSED 422 Strategies for Teaching in the High School - Mathematics
- HSED 465 Strategies for Teaching in the High School - Integrated Science

**Cognate Courses**

- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

Note(s): \* 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 sciences, English, history, mathematics, physics – grades 5-8)**

- \* EDHM 210 Introduction to Teaching
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- EDHM 490 Teaching Practicum

An appropriate “strategies for teaching” course (3 credits)

- MSED 450 Strategies of Teaching in the Middle School - History/Political Science
- MSED 451 Strategies of Teaching in the Middle School - English
- MSED 456 Strategies of Teaching in the Middle School - Mathematics
- MSED 465 Strategies of Teaching in the Middle School - Integrated Science

**Cognate Courses**

- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

Note(s): \* 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)

- \* EDHM 210 Introduction to Teaching
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- EDHM 490 Teaching Practicum (12 credits)  
or  
(Health/Family and Consumer Sciences only) (14 credits)
- HEAL 491 Field Based Pre-Practicum in Health
- HEAL 495 Practicum in Student Teaching – Elementary Health (Health/Family and Consumer Science)
- HEAL 496 Practicum in Student Teaching-Secondary Health (Health/Family and Consumer Science)

An appropriate “strategies for teaching” course (3 credits)

- EDHM 413 Strategies for Teaching - Music
- EDHM 424 Strategies for Teaching - Foreign Language
- EDHM 425 Strategies for Teaching - Visual Art – High School
- EDHM 459 Strategies for Teaching - Visual Art – Middle School
- HEAL 450 Health Promotion Strategies

Cognate Courses

- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

Note(s): \* To be completed prior to admission to professional education and enrollment in any other education courses.

Total minimum credits: 33-35 (dependent on licensure)

## 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 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 [“Biological Sciences”](#) section of this catalog for discipline area requirements.

Chemistry (Teacher of Chemistry 5-8 or 8-12)

See the [“Chemical Sciences”](#) 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 Sciences 5-8 or 8-12)

Major courses

- EASC 100 Physical Geology
- EASC 101 Historical Geology
- EASC 210 Oceanography
- EASC 215 Solar System Astronomy
- EASC 250 Geomorphology
- EASC 260 Mineralogy
- EASC 360 Petrology (Writing Intensive in the Major Core Curriculum Requirement – CWRM)
- EASC 496 Seminar in Geology
- GEOG 221 Meteorology
- Plus nine additional semester hours of approved earth sciences electives (9 credits)

Cognate Courses

- MATH 151 Calculus I
- MATH 152 Calculus II  
or
- MATH 141 Elements of Calculus I
- MATH 142 Elements of Calculus II
- CHEM 131 Survey of Chemistry I
- CHEM 132 Survey of Chemistry II  
or

- CHEM 141 Chemical Principles I
- CHEM 142 Chemical Principles II

One year of physics or biology (8 credits)

Total minimum credits: 60

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)

See the ["Mathematics and Computer Science"](#) section of this catalog for discipline area requirements.

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.

## 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, prelaw, premedicine, 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

- SCWK 250 Introduction to Social Welfare
- SCWK 270 Social Work Issues of Diversity and Oppression
- SCWK 320 Human Behavior and Social Environment I
- SCWK 350 Social Welfare Policy

Six additional credits in social work elective courses with the exception of the following (6 credits)

- SCWK 338 Introduction to Social Work Practice
- SCWK 431 Social Work Practice with Individuals, Families and Groups
- SCWK 432 Social Work Practice with Communities and Organizations
- SCWK 498 Field Experience in Social Work

Total minimum credits: 18

## Sociology Minor

Students must take 18 credits including

- SOCI 102 Introduction to Sociology
- SOCI 290 Seminar: Social Theory

Plus any one of the following (3 credits)

- 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 credits)

- SOCI 203 The Family
- SOCI 206 Cities and People: Urban Sociology
- SOCI 208 Sociology of Religion
- SOCI 305 Sociology of Education
- SOCI 307 Medical Sociology
- SOCI 332 Sociology of Organizations
- SOCI 350 Sociology of Work

Plus two additional sociology courses, including those not already taken from the lists above, two of which must be at the 200 level or above (6 credits)

Total minimum credits: 18

## Spanish Minor

### Required Courses

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 chairperson.

Note(s): 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 Contemporary Latin American Novel in Translation
- LASP 230 Contemporary Latin American Short Story in Translation
- LASP 300 Spanish Composition

Courses with a LANG subject code (with the exception of LANG 498)

Total minimum credits: 18

## Special Education, Inclusive Practices in Special Education and Communication Disorders Minor Admission Requirements

To declare a minor in Inclusive Practices in Special Education and Communication Disorders, the candidate must complete a "Declaration of Minor" card through the Academic Achievement Center. The adviser is the Department of Special Education and Communication Disorders chairperson.

Students declaring the minor in Inclusive Practices in Special Education and Communication Disorders should contact the chairperson of the Department of Special Education and Communication Disorders to develop a program plan.

Note(s): This minor is not appropriate for Special Education majors nor Special Education majors with a concentration in Communication Disorders.

### Required Course Work

- SPED 202 Introduction to Special Education  
or
- SPED 211 The Early Childhood Learner with Special Needs
- SPED 203 Cultural Diversity Issues in School and Society

### Electives

Choose one course from the following (3 credits)

- ECED 230 The Basics of Early Childhood Education
- EDHM 210 Introduction to Teaching
- ELED 220 Introduction to Elementary Education

Choose one course from the following (3 credits)

- EDHM 235 Learning and Motivation
- ELED 120 Child Study in the Early Childhood and Elementary Education Classroom
- PSYC 224 Child Psychology
- PSYC 226 Adolescent Psychology
- PSYC 227 Developmental Psychology

Choose two courses from the following (6 credits)

- COMD 220 Introduction to Communication Sciences and Disorders
- COMD 231 Sign Language I
- COMD 250 Language Development in Young Children
- COMD 350 Language Disorders in Young Children
- SPED 217 Meeting the Needs of All Learners

Total minimum credits: 18

## Special Education, Professional Practices in Special Education and Communication Disorders Minor

### Admission Requirements

- To declare a minor in professional practices in special education and communication disorders, the candidate must complete a "Declaration of Minor" card through the Academic Achievement Center. The adviser is the Department of Special Education and Communication Disorders chairperson.
- Students declaring the minor should contact the chairperson of the Department of Special Education and Communication Disorders to develop a program plan.
- Candidates for the minor in professional practices in special education and communication disorders must meet the 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.

Note(s): Special Education majors with a concentration in Communication Disorders may not use communication disorders (COMD) courses to meet the requirements of the minor.

Required course work (6 credits)

- SPED 202 Introduction to Special Education  
or
- SPED 211 The Early Childhood Learner with Special Needs
- SPED 203 Cultural Diversity Issues in School and Society

Required professional practices course work (6 credits)

- SPED 302 Principles and Application of Behavioral Management for the Special Needs Learner
- SPED 303 Principles and Procedures of Assessment of Special Needs Learners

Electives (6 credits)

A maximum of three credits may be taken from the following

- ECED 230 The Basics of Early Childhood Education
- EDHM 210 Introduction to Teaching
- ELED 220 Introduction to Elementary Education

A maximum of three credits may be taken from the following

- EDHM 235 Learning and Motivation
- ELED 120 Child Study in the Early Childhood and Elementary Education Classroom
- PSYC 224 Child Psychology
- PSYC 226 Adolescent Psychology
- PSYC 227 Developmental Psychology

Six credits may be taken from the following

- COMD 231 Sign Language I
- COMD 290 Language Acquisition and Development
- COMD 312 Language Disorders in Children
- SPED 217 Meeting the Needs of All Learners

Total minimum credits: 18

## Studio Art Minor

This minor allows students to study studio art, developing the necessary skills and critical thinking relevant to studio arts, while augmenting a student's major course of study in other fields. The curriculum is studio based, developing competence in both traditional processes and new technologies. While emphasizing studio practices and techniques, students explore both imagery and content. Through advising, students may focus this minor to fit specific goals.

All students wishing to minor in studio art should meet with an art department adviser before selecting their courses.

Requirements

Complete three of the following courses (9 credits)

- ARTS 104 Digital Imaging and Four-Dimensional Design
- ARTS 125 Drawing I
- ARTS 130 Two-Dimensional Design
- ARTS 140 Three-Dimensional Design

Complete one of the following courses (3 credits)

- ARTH 103 Survey of Ancient and Medieval Art
- ARTH 104 Survey of Art from the 14<sup>th</sup> Century to the Present

With advising, complete an additional nine credits in studio art courses (9 credits)

Total minimum credits: 21

## Theater Arts Minor

Requirements

- THEA 115 Play Production
- THEA 211 Voice Production for Theatre
- THEA 220 Play Analysis for Production

Three elective THEA courses (any THEA course) (9 credits)

Practica (2 credits)

Two credits in



- THEA 140 Theater Performance Practicum
- THEA 170 Technical Theater Practicum  
and/or
- THEA 185 Theater Management Practicum
- Total minimum credits: 20

## U.S. Ethnic Studies Minor

The U.S. ethnic studies minor is an interdisciplinary minor, which aims to introduce students to United States ethnic and racial groups; history, theory and cultural analyses of ethnicity, race, class and culture in the United States; and opportunities for engaged learning and community service among U.S. ethnic, racial and regional groups. Students will explore the following: 1) theoretical and practical approaches to race and ethnicity in multicultural America; 2) interdisciplinary perspectives on U.S. ethnic/racial groups; 3) issues of cultural identity from the perspectives of people of color and heritage cultures; 4) discrimination, prejudice and other inequalities against racial and ethnic groups; and 5) opportunities to learn about services, interventions and civic engagement in addressing respect, civility and social justice issues. Other courses, including second year seminars, may be approved by the program coordinator.

### Minor Requirements

Students must complete 18 credits toward the minor as outlined below.

#### Group A: Comparative Study of Race and Ethnicity in the U.S.

Complete at least two courses (6 credits)

- ANTH 115 Anthropology of Race, Class, and Gender
- ANTH 315 Ethnic Experience in America
- ARTH 220 United States Art Study Tour
- COMM 300 Television, Minorities, and Cultural Diversity
- COMM 365 Introduction to Intercultural Communication
- CRJU 358 Race, Class, Crime and Justice
- HIST 461 American Immigration and Ethnicity
- INTD 220 Introduction to American Studies
- SCWK 270 Social Work Issues of Diversity and Oppression
- SOCI 312 Discrimination and Prejudice
- SOCI 315 Race and Ethnicity in America
- SPED 203 Cultural Diversity Issues in School and Society

#### Group B: Study of Racial and Ethnic Groups in the U.S.

Complete at least two courses (6 credits)

- ANTH 206 Native Cultures of North America
- ANTH 319 Contemporary Native Americans
- ANTH 426 Seminar: New England Ethnic and Regional Communities  
or
- SOCI 426 Urban Enclaves
- ARTH 217 African-American Art
- ENGL 233 Introduction to the African-American Novel
- ENGL 315 Ethnic American Literature
- ENGL 317 African-American Literature I
- ENGL 318 African-American Literature II
- HIST 465 African-American History
- HIST 473 Asian-American History
- INTD 216 Introduction to Irish-American Studies
- INTD 349 Perspectives on the Holocaust  
or
- COMM 349 Perspectives on the Holocaust
- PSYC 349 Perspectives on the Holocaust
- INTD 416 Irish-American Seminar
- MUSC 166 Survey of American Jazz
- MUSC 168 American Popular Music
- POLI 389 Racial Politics in the United States

Complete two additional courses from Groups A and/or B (6 credits)

Note(s): Other courses, including second year seminars, may be approved by the program coordinator.

Total minimum credits: 18

For further information, contact Dr. Wing-kai To in the Department of History.



## Urban Affairs Minor

The university 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 university. 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

Four out of the following six courses (12 credits)

- ANTH 306 Urban Anthropology
- ECON 350 Urban Economic Problems and Policies
- GEOG 353 Urban Geography
- POLI 376 Urban Politics
- PSYC 410 Applied Social Psychology
- SOCI 206 Cities and People: Urban Sociology

Internship: (equal to eight weeks, full time or 16 weeks, half-time) (6 credits)

Total minimum credits (option A): 18

### Option B

Four out of the six courses listed under Option A (12 credits)

Two courses from the list below (6 credits)

- 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:

- Department of Geography
- Department of History

## 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 the following.

### Minor Requirements

- WMST 240 Critical Perspectives in Women's Studies
- or
- INTD 240 Critical Perspectives in Women's and Gender Studies

15 credits selected from the list below of approved women's and gender studies courses to include (15 credits)

Six credits in literature, history, philosophy and/or the arts

Six credits in social sciences, behavioral sciences and/or natural sciences

Three credits of electives

Note(s): No more than two courses from the 15 credits may be taken in the same department.

Total minimum credits: 18

For additional information about the women's and gender studies minor, contact Dr. Sarah Wiggins, Department of History.

### Approved Women's and Gender Studies Courses

Anthropology

- ANTH 115 Anthropology of Race, Class, and Gender
- ANTH 208 Anthropology of Women
- ANTH 314 Women in Myth and Lore
- ANTH 417 Seminar: She/He "Two Spirits" Gender Cross-Culturally
- ANTH 435 Seminar: Global Feminism

#### Art

- ARTH 308 Women in the Visual Arts

#### Communication Studies

- COMM 355 Images of Gender in Media

#### Criminal Justice

- CRJU 241 Women and Violence
- CRJU 369 Gender, Crime and Justice

#### English

- ENGL 327 Women Writers: The Female Tradition to 1900
- ENGL 328 Women Writers: The Female Tradition since 1900
- \* ENGL 389 Topics in Writing  
\*Gender and Writing

#### Foreign Language

- LASP 350 Gender, Sexuality and Politics in Hispanic Cinema

#### Health

- HEAL 420 Women's Health Issues

#### History

- HIST 421 European Women's History: Medieval Renaissance and Reformation
- HIST 466 Women in American History
- \* HIST 495 Undergraduate History Colloquium

#### Interdisciplinary

- WMST 304 The Psychosocial Development of Women  
or
- SCWK 304 The Psychosocial Development of Women
- INTD 499 Directed Study (in women's studies and gender topics)

#### Photography

- ARTS 216 Photography I

#### Philosophy

- PHIL 232 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 365 Women in Sports  
or
- PHED 365 Women in Sports  
\*Women's Health Issues

#### Social Work

- SCWK 270 Social Work Issues of Diversity and Oppression

Note(s): \* Certain titles are offered under departmental topics courses and may be applied to the required electives upon approval of the women's and gender studies coordinator.

## ■ GRADUATE CERTIFICATE PROGRAMS

### Teaching English to Speakers of Other Languages Graduate Certificate

The Teaching English to Speakers of Other Languages (TESOL) Graduate Certificate program is designed to provide language and pedagogical instruction to teachers of students whose first language is not English. This graduate certificate program will, therefore,

provide much-needed theory, practices, and strategies for preparing public-school teachers to work with English-language learners. At the same time, the program will also provide useful instruction and training for teachers who may wish to work in other learning environments such as colleges, community groups and organizations, or international schools. The TESOL program includes a wide variety of courses that are endorsed by the Massachusetts Department of Elementary and Secondary Education (MA DESE) and the option to seek Sheltered English Immersion Training (SEI) for public school teachers.

This program was developed as a response to the many inquiries from teachers in SE Massachusetts who need SEI training for English language learners, a population that is growing in our service area. Additionally, the TESOL program will provide needed support to instructors working with adult learners of English in area community programs and to instructors already teaching introductory writing courses at area institutions of higher learning, where an increasingly diverse population of students requires skills in teaching reading and writing to students with limited proficiency in English.

The TESOL Graduate Certificate Program is interdisciplinary with course offerings in the Departments of English, Reading, and Special Education. The program offers high-quality courses in linguistics, TESOL training, writing, and reading, all geared to the English language learner.

#### Admission Requirements

1. All applicants to graduate certificate programs will complete the standard graduate school application forms which are common to all certificate programs. A bachelor's degree is required for admission to all graduate certificate programs. A bachelor's degree is required for admission to all graduate certificate programs. Since admission to graduate certificate programs are on a rolling basis, students may apply at any time.
2. In addition to a completed application, every applicant should submit the following
  - a.) an official college transcript of the completed baccalaureate degree with a cumulative undergraduate GPA of at least 2.8
  - b.) an official college transcript of graduate course work (if applicable)
  - c.) a short essay on the value of the graduate certificate program for the applicant
  - d.) one appropriate letter of recommendation from an academic or professional
3. Teachers who are seeking SEI (Sheltered Immersion Training PreK-12) also must complete the following additional admission requirements
  - a.) a passing score on MTEL: Communication and Literacy Skills Battery
  - b.) possession and submission of at least a preliminary/initial stage teaching license

#### Required Courses

- ENGL 514 Linguistics for TESOL
- ENGL 516 Theories of Second Language Acquisition

#### Methodology Course

- ENGL 517 Critical Approaches to TESOL Methods

#### Electives (9 credits)

- ENGL 517 Critical Approaches to TESOL Methods
- ENGL 518 Issues in Second Language Writing
- ENGL 519 Language and Power
- ENGL 521 Special Topics in TESOL
- READ 547 Teaching English Learners to Read and Write
- READ 548 Case Studies in Dual Language Instruction: Theory and Practice

Total minimum credits: 18

### Women's and Gender Studies Graduate Certificate

#### Required Course

- INTD 501 Contemporary Women's and Gender Studies

#### Electives

- Choose four courses from the following (12 credits)
- ANTH 417 Seminar: She/He "Two Spirits" Gender Cross-Culturally
- ANTH 435 Seminar: Global Feminism
- ANTH 515 CD-ROM: Teaching in Diverse Classrooms
- CNGC 529 Multicultural Counseling
- CRJU 521 Domestic Violence
- CRJU 522 Women and Criminal Justice
- CRJU 546 Class, Race, Gender and Crime
- CRJU 598 Internship in Criminal Justice
- ENGL 503 Directed Study \* (maximum of 6.0 credits)
- ENGL 511 Special Topics in Writing †
- ENGL 580 Graduate Seminar in English Literature †

- ENGL 590 Graduate Seminar in World Literature †
- HEAL 525 Women's Health Issues
- HIST 466 Women in American History
- LASP 490 Seminar in Hispanic Literature †
- LASP 520 Topics in Spanish-American Civilization †
- LASP 521 Topics in Spanish Civilization †
- MGMT 571 Organizational Culture and Work Force Diversity
- PHED 504 Nutrition for Sports, Exercise and Weight Control
- POLI 501 Introduction to Public Institutions and Administration
- POLI 503 Directed Study (maximum of 3.0 credits) \*
- PSYC 503 Directed Study (maximum of 3.0 credits) \*
- PSYC 508 Advanced Seminar †
- PSYC 516 Multicultural Counseling
- SCWK 500 Policy I: Social Welfare Policy
- SCWK 502 Dynamics of Diversity and Oppression
- SCWK 508 Policy II: Policy Advocacy, Development and Analysis
- SCWK 510 Human Behavior in the Social Environment I
- SCWK 570 Integrative Seminar I
- SCWK 580 Special Topics †
- SOCI 503 Directed Study (maximum of 3.0 credits) \*
- SOCI 516 Sociology of Sex and Gender

Note(s): \* Limited to one three-credit Directed Study

† Credit earned will count toward the Women's and Gender Studies Graduate Certificate only if a significant portion of the course content or internship is related to women and gender studies. A determination as to whether the course or internship meets this requirement will be made by the program coordinator. If the program coordinator concludes that the course or internship is not sufficiently related to women and gender studies, then the course or internship will not satisfy this requirement of the Women's and Gender Studies Graduate Certificate.

400-level (U/G) courses are offered to graduate students who will complete them with additional assignments discussed with the professor, for graduate credit.

For additional information about the women's and gender studies certificate program, contact Dr. Sarah Wiggins, Department of History. Total minimum credits: 15

## ■ POSTBACCALAUREATE LICENSURE PROGRAMS

### Early Childhood, Teacher of Students With and Without Disabilities (PreK-2) (Initial Licensure), Postbaccalaureate Licensure

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

- A liberal arts or science undergraduate major or its equivalent
- A minimum 2.8 undergraduate GPA
- Official transcripts of all undergraduate and graduate course work

This program has been approved by the Massachusetts Department of Elementary and Secondary Education and includes licensure reciprocity with signatory states under the Interstate Certification Compact.

Students should consult the ["Graduate Admission"](#) 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 ["Graduate Admission"](#) section of this catalog.

All three MTEL® must be passed as a prerequisite to professional semester courses. Students must complete the following courses. Requirements

- GRPP 501 Graduate Program Planning
- \* ECED 230 The Basics of Early Childhood Education

- ECED 300 Early Childhood Art Methods
- ECED 311 Science and Social Studies Inquiry for the Young Child
- ECED 332 Reading Development for the Young Child
- ECED 342 Language Arts for the Young Child
- ECED 352 Developmental Mathematics for the Young Child
- ECED 361 Creating an Effective Early Childhood Environment
- ECED 496 Supervised Teaching in Public Schools: Early Childhood (6 credits)
- ECED 497 Supervised Teaching in an Integrated Early Childhood Setting (6 credits)

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).

Note(s): \* To be completed prior to admission to professional education and enrollment in upper-division education courses.

Total minimum credits: 31.5

## Educational Leadership (Initial Licensure) Postbaccalaureate Licensure

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
- Three 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 Elementary and Secondary 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.

### Requirements

- EDLE 509 Seminar for Future Leaders
- EDLE 511 Educational Leadership and Managerial Effectiveness
- EDLE 564 Selection and Development of Educational Personnel
- EDLE 565 School Finance and Business Administration
- EDLE 569 Legal Aspects of School Administration

Choose one course from one of the following groups, dependent on licensure sought (3 credits)

Principal/Assistant Principal

- EDLE 561 Elementary School Administration
- EDLE 562 High School Administration
- EDLE 563 Middle School Administration

Superintendent/Assistant Superintendent

- EDLE 591 Seminar in School Administration: The Superintendency

Special Education Administrator

- SPED 512 Organization and Administration of Special Education

School Business Manager

- POLI 521 Public Finance
- or
- POLI 592 Special Topics in Public Administration

Supervisor/Director

- EDMC 531 The Standards-Based Classroom: Curriculum

A six-credit practicum is required

- 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 Superintendentcy/Assistant Superintendentcy

#### Additional Information

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

### Elementary Education (Initial Licensure), Postbaccalaureate Licensure

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

- A liberal arts or science undergraduate major or its equivalent is required
- A minimum 2.8 undergraduate GPA is required for admission to the program
- Official transcripts of all undergraduate and graduate course work

This program has been approved by the Massachusetts Department of Elementary and Secondary Education and includes licensure reciprocity with signatory states under the Interstate Certification Compact.

Students should consult the "[Graduate Academic Policies](#)" 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.

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 adviser in GRPP 501 Graduate Program Planning, which is described under "Graduate Advisers and Program Planning" in the "[Graduate Admission](#)" section of this catalog.

Students must complete the following courses.

#### Requirements

- GRPP 501 Graduate Program Planning
- \* ELED 220 Introduction to Elementary Education
- ELED 300 Elementary Art Methods
- ELED 310 Teaching Science and Social Studies in the Elementary School
- ELED 330 Teaching Reading in the Elementary School
- ELED 340 Teaching Language Arts in the Elementary School
- ELED 350 Teaching Mathematics in the Elementary School
- ELED 360 Teaching in a Standards-Based, Inclusive Elementary Classroom
- ELED 492 Supervised Teaching in Public Schools: Elementary (12 credits)

Students successfully completing the program are eligible to apply for initial Massachusetts licensure in elementary education (1-6).

Note(s): \* To be completed prior to admission to professional education and enrollment in upper-division education courses.

Total minimum credits: 31.5

### Health - Health/Family and Consumer Sciences (PreK-12) (Initial Licensure), Postbaccalaureate Licensure

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 "[Graduate Academic Policies](#)" 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 (one 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

- GRPP 501 Graduate Program Planning



- BIOL 251 Human Anatomy and Physiology I
- \* EDHM 210 Introduction to Teaching
- EDHM 235 Learning and Motivation
- EDHM 335 Assessment and Planning
- EDHM 445 Content Area Reading, Writing and Study Skills
- HEAL 200 Principles and Practices of Health Education
- HEAL 300 Current Issues in Health
- HEAL 401 Human Sexuality
- HEAL 405 Drugs in Society
- HEAL 407 Stress Management
- HEAL 430 Epidemiology and Community Health
- HEAL 450 Health Promotion Strategies
- HEAL 471 Nutrition
- HEAL 477 Environmental and Consumer Health
- HEAL 491 Field Based Pre-Practicum in Health
- HEAL 495 Practicum in Student Teaching – Elementary Health (Health/Family and Consumer Science)
- HEAL 496 Practicum in Student Teaching-Secondary Health (Health/Family and Consumer Science)
- PHED 200 Fitness for Life
- PSYC 227 Developmental Psychology
- SPED 203 Cultural Diversity Issues in School and Society

Students must supply evidence of current certification in Standard First Aid and CPR.

Total minimum credits: 67

Note(s):\*To be completed prior to admission to professional education and enrollment in upper-division education courses.

### Instructional Technology (All Levels) (Initial Licensure), Postbaccalaureate Licensure

This program is designed for students who have a bachelor's degree and seek initial licensure in instructional technology (all levels).

#### Admission Requirements

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

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

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

Anyone with an undergraduate GPA less than 2.8 should contact the School of Graduate Studies for information regarding a low-GPA remedy.

Non-degree students will be allowed to enroll in two courses or six credits prior to matriculation.

Students admitted to the Graduate Certificate in Instructional Technology program will be allowed to transfer four courses or 12 credits into the postbaccalaureate program with the permission of the program coordinator, providing that the courses completed meet the course requirements for the postbaccalaureate program.

Students successfully completing the program are eligible to apply for initial Massachusetts Licensure in Instructional Technology (all levels).

#### Course requirements

- INST 509 Foundations of Instructional Technology
- INST 522 Instructional Design
- INST 523 Information Access and the Internet
- INST 526 Making Connections: Networking
- INST 529 Assistive Technology
- INST 596 Clinical Experience (6 credits)\*

Note(s): \* Six credits are required in the clinical experience, INST 596, unless three credits are waived by the School of Education and Allied Studies due to licensure status.

Total minimum credits: 21



## Physical Education (PreK-8, 5-12) (Initial Licensure), Postbaccalaureate Licensure

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 ["Graduate Academic Policies"](#) section of this catalog. 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.

### 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.

- PHED 100 Applied Musculoskeletal Anatomy
- PHED 117 Historical and Philosophical Foundations of Sport, Physical Education and Exercise
- PHED 210 Developmental Kinesiology
- PHED 217 Principles of Motor Learning and Performance
- PHED 318 Socio-Cultural Foundations of Sport and Physical Activity
- PHED 324 Physical and Motor Development of Individuals with Disabilities
- PHED 385 Biomechanics
- PHED 401 Physiology of Exercise

### Activity Requirement

Specific physical education activities pertinent to teaching at this level as identified by the department teacher preparation committee. (9 credits)

**See Activity Courses by Area below**

### Teacher Licensure Courses

#### PreK-8

- PHED 205 Introduction to Teaching Physical Education in the Public Schools
- \* PHED 225 Observation and Analysis of Movement for Children
- PHED 326 Teaching Physical Education to Children
- PHED 329 Teaching and Curriculum Development in the Middle and Junior High School
- PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education
- PHED 495 Field-Based Pre-Practicum (PreK-8) – Physical Education
- PHED 496 Practicum in Student Teaching (PreK-8) – Physical Education
- PSYC 227 Developmental Psychology
- or
- PSYC 100 Introductory Psychology

Current certificate from the American Red Cross for Standard First Aid and CPR.

Total minimum credits (PreK-8): 69

#### 5-12

- PHED 205 Introduction to Teaching Physical Education in the Public Schools
- \* PHED 212 Strategies and Analysis of Motor Skills
- PHED 315 Teaching Team and Individual Sports
- PHED 329 Teaching and Curriculum Development in the Middle and Junior High School
- PHED 335 Planning, Implementation, and Evaluation in Teaching Physical Education
- PHED 491 Field-Based Pre-Practicum (5-12) – Physical Education
- PHED 492 Practicum in Student Teaching (5-12) – Physical Education
- PSYC 227 Developmental Psychology
- or
- PSYC 100 Introductory Psychology

Current certificate from the American Red Cross for Standard First Aid and CPR.

Note(s):\* To be completed prior to admission to professional education and enrollment in upper-division (300-level) education courses.

## Activity Courses by Area

| AREA A                                     | AREA B                                | AREA C  | AREA D   | AREA E  |
|--|---------------------------------------|---|--|---|
| Individual/Dual Sports                     | Team Sports                           | Dance   | Aquatics   | Fitness/Wellness  |
| PHED 134 Self Defense                      | PHED 131 Volleyball I – Beginner      | DANC 155 Dance Practicum                                      | PHED 150 Beginner Swimming                         | PHED 163 Aerobics   |
| PHED 170 Bowling I – Beginner              | PHED 132 Field Hockey I               | DANP 139 Theory and Practice of Dance Fundamentals            | PHED 152 Theory and Practice of Lifeguard Training |   |
| PHED 173 Archery I – Beginner              | PHED 133 Basketball I – Beginner      | DANP 147 Theory and Practice of Ballet Fundamentals           | PHED 250 Intermediate Swimming                     | PHED 188 Jogging and Road Running                                   |
| PHED 174 Tennis I – Beginner               | PHED 140 Lacrosse                     | DANP 153 Jazz Dance   | PHED 254 Water Polo                                | PHED 190 Conditioning   |
| PHED 175 Golf I – Beginner                 | PHED 141 Soccer                       | DANP 159 Latin Social Dance                                   |  | PHED 193 Weight Training  |
| PHED 176 Badminton I – Beginner            | PHED 145 Flag Football                | DANP 161 Folk Dance   |  | PHED 202 Orienteering   |
| PHED 186 Track and Field                   | PHED 231 Volleyball II – Intermediate | DANP 164 Square Dance   |  | PHED 203 Basic Rock Climbing  |
| PHED 194 Wrestling                         | PHED 233 Basketball II – Intermediate | DANP 165 Tap Dance I  |  | PHED 204 Theory and Practice of Progressive Resistance Training     |
| PHED 196 Fencing I – Beginner              | PHED 244 Softball                     | DANP 166 African Dance  |  | PHED 206 Theory and Practice of New Age Fitness                     |
| PHED 283 Theory and Practice of Gymnastics | PHED 254 Water Polo                   | DANP 167 Hip-Hop Dance  |  | PHED 207 Theory and Practice of Horsemanship                        |
| PHED 276 Badminton II – Intermediate       | PHED 282 Theory and Practice of Games | DANP 168 Ballroom Dance                                       |  | PHED 208 Theory and Practice of Group Instruction                   |
|  |                                       | DANP 235 Rhythmic Activities: Programming for All Ages        |  | PHED 209 Theory and Practice of Metabolic Training                  |
|  |                                       | DANP 268 Ballroom Dance II - Theory, Practice and Performance |  | PHED 234 Yoga   |
|  |                                       | DANP 281 Theory and Practice of Educational Dance             |  | PHED 257 Movement and Relaxation – Theory, Practice and Performance |
|  |                                       |   |  | PHED 278 Bicycle Touring  |
|  |                                       |   |  | PHED 280 Initiative Games   |
|  |                                       |   |  | PHED 356 Canoeing I   |
|  |                                       |   |  | PHED 360 Initiative Games II  |

## Secondary Education Postbaccalaureate Licensure

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 (APB) program 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 Sciences (5-8)  
 Teacher of Earth Sciences (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 Office of Graduate Admission Enrollment Management 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).
- Literacy, communication and academic competence as demonstrated by a passing score on the communication and literacy MTEL®
- Experience with youth at the licensure level

Note: English, history and music candidates are subject to a review of their course background in the license area. Additional content courses may be required.

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 Office of Graduate Admissions Enrollment Management.

### APB Curriculum

- EDHM 550 Middle and High School Theory into Practice (course includes 40 hours of fieldwork)
- EDHM 552 Curriculum and Instruction in Middle and High School Mathematics and Science  
or
- EDHM 553 Curriculum and Instruction in Middle and High School Arts and Humanities

Note(s): History candidates in the APB program must also complete MSED 450 Strategies of Teaching in the Middle School – History/Political Science or HSED 412 Strategies for Teaching in the High School - History/Political Science.

English candidates in the APA program must also complete MSED 451 Strategies of Teaching in the Middle School - English or HSED 414 Strategies for Teaching in the High School - English

- EDHM 554 Student Teaching Practicum  
or
- EDHM 556 Employment-Based Practicum
- EDHM 558 The Reflective Middle and High School Practitioner  
(An electronic portfolio is submitted at various stages in the program.)

Note(s): 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.

Total minimum credits: 15-18 (dependent on content area)

## Special Education, Teacher of Students with Moderate Disabilities (PreK-8 or 5-12) (Initial Licensure), Postbaccalaureate Licensure

### Admission Requirements

- Candidates must meet all School of Graduate Studies admission requirements and have a minimum undergraduate GPA of 2.8
- Candidates must submit evidence of passing the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL)
- 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.

- Candidates must complete SPED 202 (or equivalent) with a minimum grade of B; SPED 211 (or equivalent) with a minimum grade of B; or SPED 510, (or equivalent) with a minimum grade of B
- 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 509 Teaching Reading to Learners with Disabilities (or equivalent) with a minimum grade of B
  - d. have passed the Foundations of Reading MTEL®
- 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 509 Teaching Reading to Learners with Disabilities (or equivalent) with a minimum grade of B
  - d. have passed the Foundations of Reading MTEL®

### Degree/Licensure Requirement

- GRPP 501 Graduate Program Planning

### Licensure Requirements

- SPED 508 Strategies for Diversity
- SPED 530 Assessment Procedures in Special Education
- SPED 575 Behavior Interventions in Special Education
- SPED 501 Professional Practices in Special Education
- 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
- SPED 594 Practicum: Moderate Disabilities (PreK-8) (six credits)  
or
- SPED 595 Practicum: Moderate Disabilities (5-12) (six or twelve credits)

Total minimum credits: 22

## Special Education, Teacher of Students with Severe Disabilities (All Levels) (Initial Licensure), Postbaccalaureate Licensure

### Admission Requirements

- Candidates must meet all School of Graduate Studies admission requirements and have a minimum undergraduate GPA of 2.8
- Candidates must submit evidence that they have passed the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL)
- 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:

- Candidates must complete SPED 202 (or equivalent) with a minimum grade of B; SPED 211 (or equivalent) with a minimum grade of B; or SPED 510 (or equivalent), with a minimum grade of B
- Candidates must complete SPED 402 - Children with Reading Disability: Diagnosis and Teaching Strategies or SPED 509 - Teaching Reading to Learners with Disabilities (or equivalent) prior to enrollment in SPED 524
- Candidates must complete an appropriate developmental psychology course
- Candidates must submit evidence that they have passed the General Curriculum MTEL® prior to the practicum experience

### Degree Requirement

- GRPP 501 Graduate Program Planning

### Licensure Requirements

- SPED 508 Strategies for Diversity
- SPED 517 Language Skills for Special Needs Learners
- SPED 530 Assessment Procedures in Special Education
- SPED 575 Behavior Interventions in Special Education
- SPED 524 Curriculum Development for Learners with Severe Disabilities I
- SPED 525 Curriculum Development for Learners with Severe Disabilities II
- SPED 593 Practicum: Severe Disabilities (6 or 12 credits)

Total minimum credits: 25

## ■ MASTER OF ARTS

### English, Creative Writing Concentration, MA

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

- A minimum undergraduate GPA of 2.75 based upon four years of course work or a 3.0 undergraduate degree GPA based upon work completed in the junior and senior years
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- Three appropriate letters of recommendation
- 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.
- Official transcripts of all undergraduate and graduate course work

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.

#### Degree Requirements

- ENGL 500 Introduction to Graduate Study in English (To be taken early in the student's program)

Three courses in literary periods, figures or genres (9 credits)

One course in ethnic or culturally diverse literature (3 credits)

One course in literary theory (3 credits)

Two courses in creative writing (6 credits)

One elective course in literature or writing or three internship credits (3 credits)

A foreign language reading proficiency test

The remaining course requirements must be satisfied by completing a creative thesis (ENGL 502) (6 credits)

Total minimum credits: 33

### English, MA

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

- A minimum undergraduate GPA of 2.75 based upon four years of course work or a 3.0 undergraduate degree GPA based upon work completed in their junior and senior years
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- Three appropriate letters of recommendation
- 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.
- Official transcripts of all undergraduate and graduate course work

#### Degree Requirements

Thirty-three credits at the 500-level distributed as follows:

- ENGL 500 Introduction to Graduate Study in English (To be taken early in the student's program)

Three courses in literary periods, figures or genres (9 credits)

One course in ethnic or culturally diverse literature (3 credits)

One course in literary theory (3 credits)

One course in writing (3 credits)

Two elective courses in literature and/or writing (6 credits)

The remaining course requirements (six 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 (six 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:

- Students must enroll in two additional three-credit 500-level elective courses in literature and/or writing (total 6 credits).
- 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.

### Additional Degree Requirements

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)  
Total minimum credits: 33

## PSYCHOLOGY, MA

The Department of Psychology offers a graduate program leading to the 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 steppingstone to further graduate training (PhD or PsyD).

The Master of Arts degree 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 undergraduate GPA of 3.0, above-average GRE scores and some experience in the field
- 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 degree in psychology. Students must complete a written comprehensive examination before graduation.

All students will complete a minimum 46-credit academic core and 15-credit clinical core (including practicum and internship).

### Grade Requirement

Students in the MA in Psychology must achieve a grade of B- or better in any courses taken which will be credited toward the degree. Students may repeat only one graduate course for which they have received a grade of B- or less.

### Academic Core

#### First Year Courses

The following courses *must* be taken within the Department of Psychology.

##### Fall

- PSYC 505 Research Methods and Design I
- PSYC 509 Foundations of Clinical Practice
- PSYC 511 Theories of Psychotherapy

##### Spring

- PSYC 506 Research Methods and Design II
- PSYC 512 Evaluation Techniques
- PSYC 575 Psychopathology

#### Second Year Courses

- First year courses must be completed before beginning second year courses.

##### Fall



- PSYC 500 Developmental Human Psychology
- PSYC 541 Psychotherapy: Theory and Practice I

Spring

- PSYC 513 Psychopharmacology for Nonmedical Professionals
- PSYC 542 Psychotherapy: Theory and Practice II

#### Other Program Requirements

The following courses may be taken at any time, assuming any prerequisites have been met.

- PSYC 508 Advanced Seminar
- PSYC 516 Multicultural Counseling
- PSYC 517 Career Information and Placement
- PSYC 518 Theory and Process of Group Interaction

#### Seminar and Research

- All students are required to complete one of the following two courses.
- PSYC 504 Research (Thesis)  
or
- PSYC 508 Advanced Seminar

#### Clinical Core

- All students must complete 100 hours of practicum and 600 hours of internship.
- PSYC 591 Clinical Practicum
- PSYC 592 Internship (maximum of six credits each semester)

Note(s): Important: Only 500-level courses will be accepted for credit in the MA program in psychology. Degree-seeking 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 postgraduate supervised clinical hours) to sit for the examination for licensure as a mental health counselor in Massachusetts.

Total minimum credits: 61

## ■ MASTER OF ARTS IN TEACHING

### Biology, MAT

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 MA DESE 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 ["Graduate Academic Policies"](#) section of the catalog for information regarding graduate program procedures.

#### 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 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
- 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 ["Graduate Admission"](#) section of this catalog.

#### Program Requirements

- GRPP 501 Graduate Program Planning

#### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher (final program course)

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

Note: The student may take the same numbered course more than once if the subject matter is different (18 credits)



- 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

Note(s): \*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

## Creative Arts, MAT

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 MA DESE 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 ["Graduate Academic Policies"](#) section of the catalog for information regarding graduate program procedures.

### 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 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
- 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 ["Graduate Admission"](#) section of this catalog.

### Program Requirements

- GRPP 501 Graduate Program Planning

### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher

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 credits)

Successful completion of a comprehensive examination is also required.

Total minimum credits: 34

## English, MAT

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 MA DESE 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

- A minimum undergraduate GPA of 2.75 based upon four years of course 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
- Official transcripts of all undergraduate and graduate course work

#### Degree Requirements

Eighteen credits in English

- ENGL 500 Introduction to Graduate Study in English

Two courses in literary periods, figures or genres (6 credits)

One course in writing (3 credits)

One course in ethnic and culturally diverse literature (3 credits)

One elective course in literature or writing (3 credits)

Fifteen credits in secondary education

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher (final program course)

A comprehensive examination administered by the Department of English

Total minimum credits: 33

### History, MAT

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 MA DESE 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 [“Graduate Academic Policies”](#) section of the catalog for information regarding graduate program policies and procedures.

#### Admission Requirements

- A 2.75 undergraduate GPA based upon four years of course 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

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 [“Graduate Admission”](#) section of this catalog.

#### Program Requirements

- GRPP 501 Graduate Program Planning

#### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher (final course of program)

#### Concentration Electives (18 credits)

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, MAT

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 MA DESE 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 [“Graduate Academic Policies”](#) section of the catalog for information regarding graduate program policies and procedures.

#### Admission Requirements

- A minimum undergraduate GPA of 2.75 based upon four years of course 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
- 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 [“Graduate Admission”](#) section of this catalog.

#### Program Requirements

- GRPP 501 Graduate Program Planning

#### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher (final program course)

#### Concentration Electives (18 credits)

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

## Music, MAT

#### 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 junior and senior years
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- A bachelor’s degree in music
- An initial teaching license and teaching experience in the field of music
- Three appropriate letters of recommendation
- A passing score on the Department of Music proficiency test and either a formal audition or a video of the applicant’s teaching and/or conducting
- Demonstrated proficiency in the use of technological applications for music education as assessed by the department’s technology specialist
- 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.)
- 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.
- Official transcripts of all undergraduate and graduate course work

#### Program Requirements

#### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy

- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher (final program course)

#### Music Courses

- MUSC 552 Seminar in Music Education Problems
- 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)
- MUSC 559 Orff Schulwerk Teacher Training; Level II  
or
- MUSC 503 Directed Study
- MUSC 564 Music in the Arts: A Cultural Perspective
- MUSC 569 Foundations in Music Education
- MUSC 575 Techniques for Arranging Classroom and Concert Music

Successful completion of a comprehensive examination is also required.

Total minimum credits: 33

### Physical Science, MAT

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 Elementary and Secondary Education licensure regulations.

Students should consult the [“Graduate Academic Policies”](#) section of this catalog for information regarding program policy and procedures.

For current information concerning program requirements, consult the Physics section of this catalog.

#### 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 years
- An initial teaching license
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work

#### Program Requirements

##### Introductory Course

- PHSC 501 Problem Solving in Physical Science

##### Concentration Electives

Twelve credits in electives at least three credits from Chemistry, Earth Sciences and Physics (12 credits)

##### Chemistry

- CHEM 550 Chemistry and the Environment
- CHEM 560 Special Topics in Chemistry

##### Earth Sciences

- EASC 501 Observational Astronomy
- EASC 504 Observational Meteorology
- EASC 550 Modern Developments in Earth Science
- EASC 560 Special Topics in Earth Science

##### General Science

- GSCI 560 Special Topics in Science Teaching

##### 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 I

##### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher

Capstone course

- PHSC 590 Integrated Physical Science

Total minimum credits: 33

## Physics, MAT

The Master of Arts in Teaching degree in physics in 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 MA DESE licensure regulations.

Students should consult the ["Graduate Academic Policies"](#) section of the catalog for information regarding graduate program policies and procedures.

### 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 years
- An initial teaching license
- Three appropriate letters of recommendation
- 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 ["Graduate Admission"](#) section of this catalog.

### Program Requirements

- GRPP 501 Graduate Program Planning

### Education Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher

### 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 is also required.

Total minimum credits: 34

## ■ MASTER OF EDUCATION

### Counseling, Mental Health Counseling Concentration, MEd

#### Admission Requirements

- Dependent upon the candidate's counseling experience noted on their application, CNGC 501 Orientation to Counseling may be required based on a review by the Counselor Education Admissions Committee and the Department of Counselor Education
- 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

This 60-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

#### Grade Requirement

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 placed on academic probation by the department. Any student who receives a second "F" 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.

#### **Required Courses**

- CNGC 528 Counseling and Development
- \* CNGC 529 Multicultural Counseling
- \* CNGC 500 Research and Evaluation
- CNMH 534 The Professional Counselor: Standards, Ethics and Legal Issues
- CNGC 535 Applied Counseling: Adolescent-Adult
- CNGC 536 Applied Counseling: Pre-Adolescent
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNMH 568 Psychopathology
- CNGC 532 Psychological Assessment
- CNGC 539 Introduction to Career Counseling
- CNMH 564 Theories of Psychological Development
- CNGC 520 Group Experience (graded on a (P) Pass/(N) No Pass basis)
- CNMH 570 Advanced Applied Counseling: Mental Health Counselor (150 hours)
- CNGC 563 Psychopharmacology for Nonmedical Professionals
- CNMH 540 Substance Abuse and Dependency
- CNMH 571 Internship: Mental Health Counselor (Total of 600 hours)\*\*

Note(s)

\*To be taken within first 15 credits

\*\* Students will meet with their adviser to plan their fieldwork experience. 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 three credits for each 150 hours of field work they will complete that semester: 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine 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 two total seminars.

#### **Electives**

7.5 credits of electives at the 500 level or above

Culminating Experience

Total minimum credits: 60

### **Counseling, Mental Health Counseling–Dual License Concentration, MEd**

#### **Admission Requirements**

- Dependent upon the candidate's counseling experience noted on their application, CNGC 501 Orientation to Counseling may be required based on a review by the Counselor Education Admissions Committee and the Department of Counselor Education
- 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 Elementary and Secondary Education. Program requirements have been designed to meet current state licensing requirements (CMR 262) and initial licensure by the Massachusetts Department of Elementary and Secondary Education as a school adjustment counselor.

### **Mental Health Counseling-Dual Licensure Program**

#### **Grade Requirement**

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 placed on academic probation by the



department. Any student who receives a second grade of "F" 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.

#### **Required Courses**

- CNGC 528 Counseling and Development
- \* CNGC 529 Multicultural Counseling
- \* CNGC 500 Research and Evaluation
- CNMH 534 The Professional Counselor: Standards, Ethics and Legal Issues
- CNGC 535 Applied Counseling: Adolescent-Adult
- CNGC 536 Applied Counseling: Pre-Adolescent
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNMH 568 Psychopathology
- CNGC 563 Psychopharmacology for Nonmedical Professionals
- CNGC 520 Group Experience (graded on a (P) Pass/(N) No Pass basis)
- CNGC 532 Psychological Assessment
- CNGC 539 Introduction to Career Counseling
- CNMH 564 Theories of Psychological Development
- CNGC 582 Principles and Methods of Community Counseling and Consultation
- CNMH 540 Substance Abuse and Dependency
- CNMH 580 Advanced Applied Counseling: Mental Health Counselor - Dual License (150 hours)
- CNMH 571 Internship: Mental Health Counselor (Total of 450 hours)\*\*
- CNMH 582 Internship: Mental Health Counselor - Dual License (Total of 450 hours)

\*\*Note(s):

\*To be taken within the first 15 credits

\*\* Students will meet with their adviser to plan their fieldwork experience. 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 three credits for each 150 hours of field work they will complete that semester: 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine 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 two total seminars.

#### **Electives**

4.5 credits of elective at the 500 level or above

Culminating Experience

Total minimum credits: 66

### **Counseling, School Counseling (PreK-8, 5-12) Concentration, MEd**

#### **Admission Requirements**

- Dependent upon the candidate's counseling experience noted on their application, CNGC 501 Orientation to Counseling may be required based on a review by the Counselor Education Admissions Committee and the Department of Counselor Education
- 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 Elementary and Secondary 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 university 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)**

#### **Grade Requirement**



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 placed on academic probation by the department. Any student who receives a second "F" 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.

Requirements should be taken in the following sequence:

#### **General Counseling Core Courses**

- \* CNGC 528 Counseling and Development
- \* CNGC 529 Multicultural Counseling
- \* CNGC 500 Research and Evaluation
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNGC 520 Group Experience (graded on a (P)Pass/(N)No Pass basis)
- CNGC 539 Introduction to Career Counseling

Note(s) \* To be taken within the first 15 credits

#### **School Counseling Courses**

- CNSC 516 Foundations in School Counseling
- CNSC 515 Ethical and Legal Issues for the School Counselor
- CNSC 523 The School Counselor: Psychological Development and Clinical Issues
- CNSC 524 Applied School Counseling
- CNSC 526 Consultation and Collaboration for School Counselors

#### **School Counseling Fieldwork**

- CNSC 570 Advanced Applied Counseling – School Counselor: (PreK-8) (150 hours)
- CNSC 571 Practicum: School Counselor (PreK-8) (600 hours)\*\* (12 credits)

Note(s):\*\* Students will meet with their adviser to plan their fieldwork experience. Students will need to complete 600 hours of fieldwork 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 fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine credits. Students must attend a clinical seminar each semester they are involved in field experience.

Six credits in electives at the 500 level or above

Students should consult with their academic advisers when choosing an appropriate elective.

Culminating Experience

Total minimum credits: 51

### **School Counseling Program Initial Licensure (5-12)**

#### **Grade Requirement**

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 placed on academic probation by the department. Any student who receives a second "F" 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.

Requirements should be taken in the following sequence:

#### **General Counseling Core Courses**

- \* CNGC 528 Counseling and Development
- \* CNGC 529 Multicultural Counseling
- \* CNGC 500 Research and Evaluation
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNGC 520 Group Experience (graded on a (P)Pass/(N)No Pass basis)
- CNGC 539 Introduction to Career Counseling
- Note(s): \* To be taken within the first 15 credits

#### **School Counseling Core Courses**

- CNSC 516 Foundations in School Counseling
- CNSC 515 Ethical and Legal Issues for the School Counselor
- CNSC 523 The School Counselor: Psychological Development and Clinical Issues
- CNSC 524 Applied School Counseling
- CNSC 526 Consultation and Collaboration for School Counselors

#### **School Counseling Fieldwork**

- CNSC 580 Advanced Applied Counseling – School Counselor: (5-12) (150 hours)
- CNSC 581 Practicum: School Counselor (5-12) (600 hours)\*\* (12 credits)

Note(s) \*\* Students will meet with their adviser to plan their fieldwork experience. Students will need to complete 600 hours of fieldwork 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 fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine credits. Students must attend a clinical seminar each semester they are involved in field experience.

Six credits in electives at the 500 level or above

Students should consult with their academic adviser when choosing an appropriate elective.

Culminating Experience

Total minimum credits: 51

## **Counseling, Student Affairs Counseling Concentration, MEd**

### **Admission Requirements**

- Dependent upon the candidate's counseling experience noted on their application, CNGC 501 Orientation to Counseling may be required based on a review by the Counselor Education Admissions Committee and the Department of Counselor Education
- 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/student affairs profession and 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 54-credit program is designed for those students interested in careers in student affairs settings.

## **Student Affairs Counseling Program**

### **Grade Requirement**

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 placed on academic probation by the department. Any student who receives a second "F" 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.

### **Required Courses**

Requirements should be taken in the following sequence

- CNGC 528 Counseling and Development
- \* CNGC 529 Multicultural Counseling
- \* CNGC 500 Research and Evaluation
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNGC 520 Group Experience (graded on a (P) Pass/(N) No Pass basis)
- CNGC 539 Introduction to Career Counseling
- CNSA 551 Student Development Theory in Higher Education
- CNSA 523 Foundations in Higher Education Counseling for Student Affairs Practice
- CNSA 520 Ethical, Legal and Professional Issues in Student Affairs
- CNSA 525 Student Affairs Administration
- CNSA 530 Applied Counseling for Student Affairs Professionals
- CNSA 560 Special Topics in Student Affairs
- or
- Any counseling elective (3 credits)
- CNSA 570 Advanced Applied Counseling: Student Affairs Counseling (150 hours)
- CNSA 571 Internship: Student Affairs Counselor (Total of 600 hours)\*\* (12 credits)

Note(s)

\*To be taken within first 15 credits

\*\* Students will meet with their adviser to plan their fieldwork 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 fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours nine credits; 40 hours per week/600 total hours = 12 credits.

Six credits in electives at the 500 level or above  
Students should consult with their academic advisers when choosing an appropriate elective.  
Culminating Experience  
Students in the student affairs counseling program will not be eligible for licensure.  
Total minimum credits: 54

### **Early Childhood Education (Non-Licensure), MEd**

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

### **Early Childhood Education (Professional Licensure), MEd**

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 MA DESE licensure regulations.

#### **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 in the junior and senior years
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- Three appropriate letters of recommendation
- An initial teaching license with one year full-time teaching experience
- Official transcripts of all undergraduate and graduate course work

Students should consult the ["Graduate Academic Policies"](#) section of the catalog for information regarding graduate program application policies and procedures.

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 ["Graduate Admission"](#) section of this catalog.

#### **Program Requirements**

GRPP 501 Graduate Program Planning

Education Master's Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher

Program Content Electives (15 credits)

- 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.
- 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.

Total minimum credits: 31

### **Educational Leadership (Initial Licensure), MEd**

The Master of Education degree (MEd) in educational leadership program 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 Elementary and Secondary Education. This includes licensure reciprocity with signatory states under the Interstate Certification Compact.

Where required, candidates who possess an appropriate professional license and who have had three years' 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 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 superintendency, 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:

- supervisor/director (various 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)

As part of their chosen program option, students must satisfactorily complete the following curriculum:

#### **Admission Requirements**

- A minimum 2.75 GPA based upon four years of work or a minimum 3.0 undergraduate GPA based upon work completed during the junior and senior years
- A qualifying score on the Communications and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL) or Graduate Record Examination (GRE)
- Three appropriate letters of recommendation (one from supervisor)
- An essay on the candidate's philosophy of educational leadership

#### **Program of Study**

- EDLE 510 Seminar on Educational Leadership for the Future (may be taken prior to admission; prerequisite to all other 500-level EDLE courses in the program)
- EDLE 511 Educational Leadership and Managerial Effectiveness
- EDLE 530 Research Applications for School Leaders
- EDLE 564 Selection and Development of Educational Personnel
- EDLE 565 School Finance and Business Administration
- EDLE 567 Human Concerns in the Schools
- or
- EDLE 579 Diversity Issues for School Leaders
- EDLE 569 Legal Aspects of School Administration
- EDLE 572 Technology for School Administrators
- EDLE 578 Curriculum Improvement

Complete one additional course from below (3 credits)

#### **Principal/Assistant Principal**

- EDLE 561 Elementary School Administration
- or
- EDLE 562 High School Administration
- or
- EDLE 563 Middle School Administration

#### **Superintendency**

- EDLE 591 Seminar in School Administration: The Superintendency

#### **Curriculum/Supervisor**

- EDMC 531 The Standards-Based Classroom: Curriculum

#### **Special Education Administrator**

- SPED 512 Organization and Administration of Special Education

#### **School Business Administrator**

- POLI 521 Public Finance
- or
- POLI 592 Special Topics in Public Administration

Complete one of the following practica (6 credits)

- 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 Superintendentcy/Assistant Superintendentcy

#### **Exit Requirement**

All candidates must successfully complete a leadership e-portfolio and pass the comprehensive examinations as exit requirements from the program.

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 university 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.

### **Educational Leadership (Non-Licensure), MEd**

#### **Admission Requirements**

- A minimum GPA of 2.75 based upon four years of work or a minimum undergraduate GPA of 3.0 based upon work completed during junior and senior years
- Passing scores on the Communications and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL) or Graduate Record Examination (GRE)
- Three letters of recommendation (one from supervisor)
- An essay on candidate's philosophy of educational leadership

#### **Program of Study**

- EDLE 510 Seminar on Educational Leadership for the Future (may be taken prior to admission; prerequisite to all other EDLE 500 courses in the program)
- EDLE 511 Educational Leadership and Managerial Effectiveness
- EDLE 530 Research Applications for School Leaders
- EDLE 564 Selection and Development of Educational Personnel
- EDLE 565 School Finance and Business Administration
- EDLE 569 Legal Aspects of School Administration
- EDLE 572 Technology for School Administrators
- EDLE 578 Curriculum Improvement
- EDLE 579 Diversity Issues for School Leaders
- or
- EDLE 567 Human Concerns in the Schools

Three courses (nine credits) in electives from any graduate 500-level course offered in the School of Education and Allied Studies (9 credits)

#### **Exit Requirement**

All candidates must successfully complete a leadership e-portfolio and pass the comprehensive examinations as exit requirements from the program.

Total minimum credits: 36

### **Elementary Education (Initial Licensure), MEd**

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 ["Graduate Academic Policies"](#) section of the catalog for information regarding graduate program application policies and procedures.

#### **Admission Requirements**

- A minimum undergraduate GPA of 2.8 based upon four years of work
- A qualifying score on the Communications, Literacy Skills and the Elementary Education portions of the Massachusetts Tests for Educator Licensure® (MTEL)
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work

Students seeking initial licensure should consult the section of this catalog titled ["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 courses: reading, language arts, mathematics, science and social studies.

All accepted students must enroll under the directions of their adviser in GRPP 501 Graduate Program Planning, which is described under "Graduate Advisers and Program Planning" in the ["Graduate Admission"](#) section of this catalog. Students must complete the following courses.

#### **Requirements**

- GRPP 501 Graduate Program Planning
- ELED 510 Fundamentals of Elementary Education
- ELED 511 Theory and Practice in Teaching Reading
- ELED 512 Theory and Practice in Teaching Language Arts
- ELED 513 Mathematical Applications for the Classroom
- ELED 514 Exemplary Practice in Science and Social Studies Classrooms
- ELED 515 Differentiating Instruction: Creating Inclusive Classrooms
- ELED 592 Practicum: Elementary Education (12 credits)
- or
- ELED 591 Employment-Based Practicum: Elementary Education
- EDMC 530 The Teacher as Researcher

#### **Exit Requirement:**

A student teaching documentation package (competency portfolio)

Total minimum credits: 34

### **Elementary Education (Non-Licensure), MEd**

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

### **Elementary Education (Professional Licensure), MEd**

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 MA DESE licensure regulations.

Students should consult the ["Graduate Admission"](#) section of the catalog for information regarding graduate program application policies and procedures.

#### **Admission Requirements**

- 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
- A composite score of 900 on the quantitative and verbal parts of the GRE General Test
- Three appropriate letters of recommendation
- An initial teaching license with one year full-time teaching experience
- 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 ["Graduate Admission"](#) section of this catalog.

#### **Program Requirements**

- GRPP 501 Graduate Program Planning

#### **Education Master's Core Courses**

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy
- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher (final program course)

#### **Program Content 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.
- Total minimum credits: 31



## Health Promotion, MEd

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 business, industry, agencies, hospitals and voluntary and official health agencies, as well as for in-service teachers.

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

- GRPP 501 Graduate Program Planning (required of most first semester graduate students, see "Graduate Advisers and Program Planning" in the ["Graduate Admission"](#) section of this catalog)

All master's degree candidates in health promotion will be required to successfully complete the following health core requirements.

- HEAL 504 Seminar in Health Promotion Theory and Literature
- HEAL 511 Research and Evaluation Methods in Health Promotion
- HEAL 518 Quantitative Methods in Health Promotion and Epidemiology
- HEAL 519 Scientific and Philosophical Foundations of Health Promotion
- HEAL 520 Designing and Administering Health Promotion Programs

All master's degree candidates will be required to choose one of four alternative courses of study below.

#### Option A

- Successful completion of the core requirements and GRPP 501 (16 credits)
- Individualized program of health (HEAL) electives by advisement. Non-health electives may be taken only with prior written consent of adviser (18 credits)
- Comprehensive Examination on core requirements

Total minimum credits (option A): (34 credits)

#### Option B

- Successful completion of the core requirements and GRPP 501 (16 credits)
- Individualized program of health (HEAL) electives by advisement. Non-health electives may be taken only with prior written consent of adviser (15 credits)
- Health Promotion Project (HEAL 501) (3 credits)
- Comprehensive Examination: oral defense of health promotion project

Total minimum credits (option B): (34 credits)

#### Option C

Successful completion of the core requirements and GRPP 501 (16 credits)

- Individualized program of health (HEAL) electives by advisement. Non-health electives may be taken only with prior written consent of adviser (12 credits)
- Thesis in Health Promotion (HEAL 502) (6 credits)
- Comprehensive Examination: oral defense of thesis

Total minimum credits (option C): (34 credits)

#### Option D: Health Fitness Promotion Concentration

- Successful completion of the core requirements and GRPP 501 (16 credits)
- Concentration Courses
  - PHED 518 Advances in Exercise Metabolism
  - PHED 519 Advances in Exercise Prescription
  - PHED 544 Applied Laboratory Techniques in Exercise Science
- 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 credits)
- 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 credits)

### **Instructional Technology, MEd**

This 30-credit program prepares leaders in teaching with current technology, both in PreK-12 schools and in adult professional 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.

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

- Completed application for admissionA 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
- Three appropriate letters of recommendation. At least one letter of recommendation should be an academic reference from a professor.
- Official transcripts of all undergraduate and graduate course work
- A composite score of 900 on the quantitative and verbal parts of the GRE general test or a qualifying score on the Communication and Literacy Skills portion of the Massachusetts Test for Educator Licensure® (MTEL)

Admission decisions to the Master of Education degree in instructional technology program are made on a deadline basis. Current admission deadlines are Feb. 15 for summer session admission, May 15 for fall semester admission and Oct. 1 for spring semester admission. For students with an undergraduate GPA less than 2.8, a low-GPA remedy is available.

Note: Students who have been admitted and completed the Graduate Certificate in Instructional Technology are permitted to transfer four courses or 12 credits into the Master of Education in Instructional Technology program with the permission of the graduate coordinator providing that the courses completed meet the course requirements for the Master of Education degree in instructional technology. Students who have been admitted and completed the postbaccalaureate program are permitted to transfer five courses or 15 credits into the Master of Education in Instructional Technology program with the permission of the graduate coordinator, providing that the courses completed meet the course requirements for the Master of Education degree in instructional technology.

#### **Requirements for completion of the Master of Education Degree in Instructional Technology Program**

Successful completion of the Master of Education degree in instructional technology requires that a candidate complete a 30-credit program of study and a research project, and pass a comprehensive examination based on the research project.

#### **Required Courses**

- INST 509 Foundations of Instructional Technology
- INST 522 Instructional Design
- INST 523 Information Access and the Internet
- INST 524 Technology Leadership
- INST 526 Making Connections: Networking
- INST 529 Assistive Technology
- INST 525 Emergent Technology and Learning Environments
- or
- INST 552 Multimedia for Educators
- EDMC 530 The Teacher as Researcher
- INST 590 Seminar in Instructional Technology: Research and Analysis
- INST 595 Advanced Research Seminar

Total minimum credits: 30

### **PreK-12 Education (For Educators in Non-U.S. Settings), MEd**

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**

- Hold a bachelor's degree from an accredited college
- Have 2.8 grade point average
- Three letters of recommendation; at least two should be from professors and the third can be from a professional employer
- Submit a completed application with statement of intent
- Achieve a minimum GPA of 3.0 for the first two degree courses

#### **Program Requirements:**

Education Masters Core Courses

- EDMC 530 The Teacher as Researcher
- EDMC 531 The Standards-Based Classroom: Curriculum
- EDMC 532 The Teacher as Leader: From Issues to Advocacy

- EDMC 533 The Standards-Based Classroom: Instruction and Assessment for Diverse Learners
- EDMC 538 The Professional Teacher

#### **Elective Courses**

- In collaboration with the non-U.S. setting site, Bridgewater State University will identify course work that meets the needs of the students. (15 credits)

Degree requirements include a minimum of 30 approved graduate credits and the successful completion of the comprehensive examination.

Total minimum credits: 30

## **Reading, MEd**

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 of Accreditation of Teacher Education (NCATE) Joint Task Force of the International Reading Association (IRA), 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**

- 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
- A composite score of 900 (clear admit) or 600 (conditional admit) in the quantitative and verbal parts of the GRE General Test
- Possession of a Massachusetts State Department of Elementary and Secondary Education active teacher licensure (Initial or Professional)
  - a. Possession of a Massachusetts State Department of Elementary and Secondary Education active licensure as a Reading Specialist (Initial or Professional)
  - or
  - b. A qualifying score on the Massachusetts Tests for Educator Licensure® (MTEL) Communication and Literacy Skills (01)
- 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)
- Foundational knowledge in computer technology (Microsoft Word and Office)
- Official transcripts of all undergraduate and graduate course work

#### **Program Requirements**

- Successful completion of the Literacy Professional’s Library
- An oral presentation or exhibit pertaining to a topic in literacy
- Successful completion of two 200-hour practica
- 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 Elementary and Secondary Education or
  - b. A qualifying score on the MTEL® Reading Specialist (08)
- Successful completion of a Literacy Professional’s Portfolio
- Support for the work of professional literacy organizations
- READ 550 Improving Literacy Instruction
- READ 551 Case Studies in Literacy Acquisition and Development
- READ 552 Literacy Assessment Principles and Techniques
- READ 553 Issues in Literacy Education for Social Justice
- READ 554 Research in Literacy Teaching and Learning
- READ 555 Supervision and Administration of Literacy Programs
- READ 556 Literacy Curriculum Development and Implementation
- READ 558 Practicum Experience I for the Reading Specialist
- READ 559 Practicum Experience II for the Reading Specialist
- READ 560 Literacy Research Seminar

Total minimum credits: 30

## **Special Education (Non-licensure), MEd**

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**

- Candidates who have enrolled in appropriate course work prior to admission are limited in the number of credits six 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 [“Graduate Academic Policies”](#) section of this catalog.
- 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
- Candidates must meet all School of Graduate Studies admission requirements and have a minimum undergraduate GPA of 2.8
- 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 equivalent) with a minimum grade of B; SPED 211 (or equivalent) with a minimum grade of B; or SPED 510 (or equivalent) with a minimum grade of B.

#### **Degree Requirements**

- GRPP 501 Graduate Program Planning

#### **Required Education Course**

- EDMC 530 The Teacher as Researcher

#### **Required Special Education Courses**

- SPED 501 Professional Practices in Special Education
- 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
- SPED 522 The Inclusion Classroom: Philosophy and Implementation
- SPED 530 Assessment Procedures in Special Education
- SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction
- SPED 575 Behavior Interventions in Special Education
- SPED 550 Seminar in Special Education
- SPED 555 Field Experience in Special Education (required for those without special education experience)

#### **Elective(s) as determined with an adviser (9 credits)**

- Suggested electives include, but are not limited to, the following
- SPED 508 Strategies for Diversity
- SPED 517 Language Skills for Special Needs Learners
- SPED 518 Reading Strategies in Special Education
- SPED 520 Special Topics in Special Education

Total minimum credits: 34

Degree requirements include a minimum of 34 approved graduate credits and successful completion of either written or oral comprehensive examination.

### **Special Education, Teacher of Students with Moderate Disabilities (PreK-8 or 5-12) (Partial Fulfillment of Professional Licensure), MEd**

This program is a degree program for partial fulfillment of Massachusetts Department of Elementary and Secondary Education professional licensure requirements.

#### **Admission Requirements**

- Candidates must meet all School of Graduate Studies admission requirements and have a minimum undergraduate GPA of 2.8
- Candidates must submit evidence of Massachusetts Special Education Initial Teacher License
- 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 (six) 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 [“Graduate Academic Policies”](#) section of this catalog.

#### **Degree Requirements**

- GRPP 501 Graduate Program Planning

#### **Professional Content Core (15 credits)**

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**

- EDMC 530 The Teacher as Researcher

- SPED 550 Seminar in Special Education
- SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction
- SPED 518 Reading Strategies in Special Education

**Elective(s) as determined with an adviser (3 credits)**

**Suggested electives include, but are not limited to, the following:**

- SPED 517 Language Skills for Special Needs Learners
- SPED 522 The Inclusion Classroom: Philosophy and Implementation

Total minimum credits: 31

Degree requirements include a minimum of 31 approved graduate credits and the successful completion of the comprehensive examination.

## **Special Education, Teacher of Students with Moderate Disabilities (PreK-8 or 5-12), (Initial Licensure), MEd**

### **Admission Requirements**

- Candidates must meet all School of Graduate Studies requirements and have a minimum undergraduate GPA of 2.8
- Candidates must submit evidence that they have passed the Communication and Literacy Skills Massachusetts Tests for Educator Licensure® (MTEL)
- Official transcripts of all undergraduate and graduate course work

### **Program Requirements**

In consultation with an adviser, under the appropriate course work and activities including the following.

- Candidates must complete SPED 202 (or equivalent) with a minimum grade of B; SPED 211 (or equivalent); with a minimum grade of B; or SPED 510 (or equivalent) with a minimum grade of B
- **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 509 Teaching Reading to Learners with Disabilities (or equivalent) with a minimum grade of B
  - d. have passed the Foundations of Reading MTEL®
- **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 509 Teaching Reading to Learners with Disabilities (or equivalent) with a minimum grade of B
  - d. have passed the Foundations of Reading MTEL®

### **Degree Requirements**

- GRPP 501 Graduate Program Planning

### **Licensure Requirements**

- SPED 508 Strategies for Diversity
- SPED 530 Assessment Procedures in Special Education
- SPED 575 Behavior Interventions in Special Education
- SPED 501 Professional Practices in Special Education
- 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
- SPED 594 Practicum: Moderate Disabilities (PreK-8) or
- SPED 595 Practicum: Moderate Disabilities (5-12)

### **Additional Degree Requirements**

- EDMC 530 The Teacher as Researcher
- SPED 517 Language Skills for Special Needs Learners
- SPED 518 Reading Strategies in Special Education
- SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction
- SPED 550 Seminar in Special Education

Total minimum credits: 37\*

Degree requirements include a minimum of 37 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 34.

## **Special Education, Teacher of Students with Moderate Disabilities (PreK-8) (Initial Licensure) for Elementary and Early Childhood Teachers , MEd**

This program is intended for teachers who hold an elementary or early childhood education initial license and is designed to provide them with:

- An initial license as a teacher of students with moderate disabilities, PreK-8, and
- A Master of Education in Special Education, which fulfills the course work requirements for professional licensure in elementary or early childhood education

#### **Admission Requirements**

- Candidates must meet all School of Graduate Studies admission requirements
- Candidates must submit evidence of Massachusetts Elementary or Early Childhood Education Initial Teacher License
- Candidates must submit official transcripts of all undergraduate and graduate course work

#### **Program Requirements**

- Candidates must complete SPED 202 (or equivalent) with a minimum grade of B; SPED 211 (or equivalent) with a minimum grade of B; or SPED 510 (or equivalent) with a minimum grade of B
- Candidates must, prior to the student teaching experience, complete the appropriate course work listed below

#### **Degree Requirement**

- GRPP 501 Graduate Program Planning

#### **Licensure Requirements**

- SPED 508 Strategies for Diversity
- SPED 530 Assessment Procedures in Special Education
- SPED 575 Behavior Interventions in Special Education
- SPED 501 Professional Practices in Special Education
- SPED 504 Applied Curriculum Development for Learners with Special Needs: PreK-8
- SPED 594 Practicum: Moderate Disabilities (PreK-8)

#### **Additional Degree Requirements**

- EDMC 530 The Teacher as Researcher
- SPED 517 Language Skills for Special Needs Learners
- SPED 518 Reading Strategies in Special Education
- SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction
- SPED 550 Seminar in Special Education

Total minimum credits: 37\*

Degree requirements include a minimum of 37 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 34.

### **Special Education, Teacher of Students with Severe Disabilities (All Levels) (Initial Licensure), MEd**

#### **Admission Requirements**

- Candidates must meet all graduate admissions office requirements and have a minimum undergraduate GPA of 2.8
- Candidates must submit evidence that they have passed the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL)
- 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 class in special education
- Candidates must complete SPED 402 - Children with Reading Disability: Diagnosis and Teaching Strategies or SPED 509 - Teaching Reading to Learners with Disabilities (or equivalent) prior to enrollment in SPED 524
- Candidates must have completed an appropriate developmental psychology course
- Candidates must submit evidence that they have passed the General Curriculum MTEL® prior to the internship practicum experience

#### **Degree Requirement**

- GRPP 501 Graduate Program Planning

#### **License Requirements**

- SPED 508 Strategies for Diversity
- SPED 517 Language Skills for Special Needs Learners
- SPED 530 Assessment Procedures in Special Education
- SPED 575 Behavior Interventions in Special Education
- SPED 524 Curriculum Development for Learners with Severe Disabilities I
- SPED 525 Curriculum Development for Learners with Severe Disabilities II
- SPED 593 Practicum: Severe Disabilities

#### Additional Degree Requirements

- EDMC 530 The Teacher as Researcher
- SPED 560 Teaching Students with Special Needs through Direct/Explicit Instruction
- SPED 550 Seminar in Special Education

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 PUBLIC ADMINISTRATION

### Political Science, Civic and Nonprofit Leadership and Administration Concentration, MPA

The purpose of the civic and nonprofit leadership and administration concentration is to develop leadership and administrative skills in strengthening organizational capacity, fostering civic and democratic life, and building social capital through understanding of the historical, political, economic, social and technological aspects of civic and nonprofit organizations.

#### Admission Requirements

Detailed information about admissions is provided in the ["Graduate Admission"](#) 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 application material.

#### Orientation Program

All MBA students must attend a department sponsored orientation program before the first fall term they enroll in classes as a matriculated student.

#### Grade Requirement

Students in the MPA program must maintain a 3.0 GPA. Students in the MPA program may not repeat courses which they have already completed, regardless of the grade they have earned for that course. Students who successfully graduate in the program may earn no more than one grade for a course that is less than a "B-" -that is a "C+", "C", "C-" or "F". Students who earn more than one grade lower than a "B-" will be subject to separation from the program.

#### MPA Core Courses

Both precareer and in-career students must complete a 24-hour MPA core curriculum component of the degree program. These courses are:

- POLI 501 Introduction to Public Institutions and Administration
- POLI 510 Introduction to Research in Public Administration
- POLI 511 Program Evaluation and Policy Analysis
- POLI 521 Public Finance
- POLI 531 Public Personnel
- POLI 532 Organizational Theory and Behavior for Public and Nonprofit Institutions
- POLI 541 Legislative-Executive Relations
- or
- POLI 542 Administrative Law and Regulation
- POLI 591 Capstone Seminar in Public Administration

#### Additional Concentration Requirements

- POLI 571 Foundations of Civic and Nonprofit Theory and Administration
- POLI 572 Nonprofit Resource Development and Management

#### Electives

As part of the nine credits required in electives, each student must take three one-credit professional development modules (POLI 506 Public Administration Training Module). At least two of the three modules must address elements of information management, technology applications and policy.

The remaining six credits in electives must be selected from the courses listed below:



- POLI 502 Research
- POLI 503 Directed Study
- POLI 513 Strategic Planning and Performance Measurement in Public Administration
- POLI 533 Administrative Ethics
- POLI 534 Public Service Leadership
- POLI 592 Special Topics in Public Administration
- POLI 598 Internship: Public Administration

Total minimum credits (in-career): 39

### Internship

Students with a bachelor's degree and no professional work experience must complete a six-credit internship in addition to the requirements above.

Note(s): Internship (POLI 598), directed study or research (POLI 503 and POLI 502), and special topics (POLI 592) in political science credits may be applied to the elective courses and other concentration requirements only if they are related to the student's concentration. This determination is made by the MPA coordinator.

Total minimum credits (precareer): 45

### 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. Students approved for this option must complete the 39- to 45- credit program, depending on their program admission category. The master's thesis will carry an additional six hours of graduate credit. Credit for a public service internship is granted under this option if the student completes both an internship and a thesis plus 39 hours of course work for a total of 51 hours of credit. The thesis option is especially appropriate for students wishing to pursue a doctorate after completing the MPA, but is open to all students who meet the criteria established by the department. Departmental standards require the student to work closely with his/her adviser and to phase the work so that the project proposal is carefully designed and approved before the student advances to the next stage.

## Political Science, MPA

The MPA program accommodates the needs of both precareer 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.

### Admission Requirements

Detailed information about admissions is provided in the ["Graduate Admission"](#) 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.

### Orientation Program

All MPA students must attend a department sponsored orientation program before the first fall term they enroll in classes as a matriculated student.

### Grade Requirement

Students in the MPA program must maintain a 3.0 GPA. Students in the MPA program may not repeat courses which they have already completed, regardless of the grade they have earned for that course. Students who successfully graduate in the program may earn no more than one grade for a course that is less than a "B-" -that is a "C+", "C", "C-" or "F". Students who earn more than one grade lower than a "B-" will be subject to separation from the program.

### MPA Core Courses



Both precareer and in-career students must complete a 24-hour MPA core curriculum component of the degree program. These courses are:

- POLI 501 Introduction to Public Institutions and Administration
- POLI 510 Introduction to Research in Public Administration
- POLI 511 Program Evaluation and Policy Analysis
- POLI 521 Public Finance
- POLI 531 Public Personnel
- POLI 532 Organizational Theory and Behavior for Public and Nonprofit Institutions
- POLI 541 Legislative-Executive Relations
- or
- POLI 542 Administrative Law and Regulation
- POLI 591 Capstone Seminar in Public Administration

#### Electives

As part of the 15 credits required in electives, each student must take three one-credit professional development modules (POLI 506 Public Administration Training Module). At least two of the three modules must address elements of information management, technology applications and policy.

The remaining 12 credits in electives must be selected, with adviser approval, from the 500-level Political Science (POLI) course offerings. Total minimum credit (in-career): 39

#### Internship

Students with a bachelor's degree and no professional work experience must complete a six-credit internship in addition to the requirements above.

Note(s): Internship (POLI 598), directed study or research (POLI 503 and POLI 502), and special topics (POLI 592) in political science credits may be applied to the elective courses and other concentration requirements only if they are related to the student's concentration. This determination is made by the MPA coordinator.

Total minimum credits (precareer): 45

#### 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. Students approved for this option must complete the 39- to 45- credit program, depending on their program admission category. The master's thesis will carry an additional six hours of graduate credit. Credit for a public service internship is granted under this option if the student completes both an internship and a thesis plus 39 hours of course work for a total of 51 hours of credit. The thesis option is especially appropriate for students wishing to pursue a doctorate after completing the MPA, but is open to all students who meet the criteria established by the department. Departmental standards require the student to work closely with his/her adviser and to phase the work so that the project proposal is carefully designed and approved before the student advances to the next stage.

### Political Science, Sustainable Community Development Concentration, MPA

The purpose of the sustainable community development concentration is to develop leadership and administrative skills in integrating sustainable economic development, environmental protection, and social well-being at local, regional, national and international levels of governance.

#### Admission Requirements

Detailed information about admissions is provided in the ["Graduate Admission"](#) 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.

#### Orientation Program

All MBA students must attend a department sponsored orientation program before the first fall term they enroll in classes as a matriculated student.

#### **Grade Requirement**

Students in the MPA program must maintain a 3.0 GPA. Students in the MPA program may not repeat courses which they have already completed, regardless of the grade they have earned for that course. Students who successfully graduate in the program may earn no more than one grade for a course that is less than a "B-" -that is a "C+", "C", "C-" or "F". Students who earn more than one grade lower than a "B-" will be subject to separation from the program.

#### **MPA Core Courses**

Both precareer and in-career students must complete a 24-hour MPA core curriculum component of the degree program. These courses are:

- POLI 501 Introduction to Public Institutions and Administration
- POLI 510 Introduction to Research in Public Administration
- POLI 511 Program Evaluation and Policy Analysis
- POLI 521 Public Finance
- POLI 531 Public Personnel
- POLI 532 Organizational Theory and Behavior for Public and Nonprofit Institutions
- POLI 541 Legislative-Executive Relations
- or
- POLI 542 Administrative Law and Regulation
- POLI 591 Capstone Seminar in Public Administration

#### **Additional Concentration Requirements**

- POLI 551 Managing Economic and Community Development
- POLI 561 Foundations of Sustainability and Sustainable Development

#### **Electives**

As part of the nine credits required in electives, each student must take three one-credit professional development modules (POLI 506 Public Administration Module). At least two of the three modules must address elements of information management, technology applications and policy.

The remaining six credits in electives must be selected from the courses listed below:

- POLI 502 Research
- POLI 503 Directed Study
- POLI 513 Strategic Planning and Performance Measurement in Public Administration
- POLI 533 Administrative Ethics
- POLI 534 Public Service Leadership
- POLI 552 Municipal Organization and Management
- POLI 592 Special Topics in Public Administration
- POLI 598 Internship: Public Administration

Total minimum credits (in-career): 39

#### **Internship**

Students with a bachelor's degree and no professional work experience must complete a six-credit internship in addition to the requirements above.

Note(s): Internship (POLI 598), directed study or research (POLI 503 and POLI 502), and special topics (POLI 592) in political science credits may be applied to the elective courses and other concentration requirements only if they are related to the student's concentration. This determination is made by the MPA coordinator.

Total minimum credits (precareer): 45

#### **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. Students approved for this option must complete the 39- to 45- credit program, depending on their program admission category. The master's thesis will carry an additional six hours of graduate credit. Credit for a public service internship is granted under this option if the student completes both an internship and a thesis plus 39 hours of course work for a total of 51 hours of credit. The thesis option is especially appropriate for students wishing to pursue a doctorate after completing the MPA, but is open to all students who meet the criteria established by the department. Departmental standards require the student to work closely with his/her adviser and to phase the work so that the project proposal is carefully designed and approved before the student advances to the next stage.

## ■ MASTER OF SCIENCE

### Athletic Training, MS

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 Requirements

- A 3.0 overall GPA based on four years work for the undergraduate degree
- Three letters of recommendation; at least two from professors
- Completion of prerequisite courses in: introduction to athletic training (including taping, bracing and protective equipment), biomechanics/kinesiology, exercise science, a full year of human anatomy and physiology, an introductory psychology course and current Emergency Cardiac Care Certification (Certification in Advanced First Aid, Adult and Pediatric CPR, AED and use of barrier devices)

Admission into the ATEP is limited and competitive. Candidates must apply for acceptance in the School of Graduate Studies by Feb. 1. Candidates should contact the program director for application materials or download them from the ATEP Web site at

[www.bridgew.edu/atep](http://www.bridgew.edu/atep).

#### Prerequisite Content Courses

- Anatomy and Physiology I
- Anatomy and Physiology II
- Introduction to Athletic Training including Protective Techniques in Athletic Training (taping, bracing and protective equipment)
- Introductory Psychology
- Kinesiology/Biomechanics
- Exercise Physiology
- Current Emergency Cardiac Care Certification (Certification in Advanced First Aid, Adult and Pediatric CPR, AED and use of barrier devices)

#### Requirements

- ATTR 510 Nutritional Concepts for Health Care Practitioners
- ATTR 511 Research Methods in Physical Education  
or
- PHED 511 Research Methods in Physical Education
- ATTR 540 Management of Lower Extremity Conditions
- ATTR 541 Management of Upper Extremity and Torso Conditions
- ATTR 542 Therapeutic Exercise
- ATTR 543 Pharmacology for the Physically Active
- ATTR 546 Medical Conditions and Disabilities of the Physically Active
- ATTR 550 Therapeutic Modalities
- ATTR 561 Level I Clinical Experience in Athletic Training
- ATTR 562 Level II Clinical Experience in Athletic Training
- ATTR 563 Level III Clinical Experience in Athletic Training
- ATTR 564 Level IV Clinical Experience in Athletic Training
- ATTR 565 Level V Clinical Experience in Athletic Training
- ATTR 590 Administration in Athletic Training

#### Culminating Experience

All master's students will be required to show evidence of a culminating experience by passing the comprehensive examination, or the Board of Certification (BOC) national examination, or completing an oral defense of a thesis (ATTR 502 Research) or project (ATTR 501 Athletic Training Project) under the guidance of an adviser.

Total minimum credits: 39

### Computer Science, MS

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 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 into 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 33 credits and may be completed entirely on a part-time basis (courses are offered in the late afternoon or evening).

#### Admission Requirements

- A minimum undergraduate GPA of 2.75 based upon four years of course 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
- Three appropriate letters of recommendation
- 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, applicants should be familiar with the organization of computers 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 course work. Students who do not already have a computer science degree should contact the program coordinator to determine their level of preparedness.

#### Program Requirements

- COMP 520 Operating Systems Principles
- COMP 545 Analysis of Algorithms
- COMP 590 Computer Architecture
- COMP 594 Computer Networks

Candidates must successfully complete five courses from among the following (15 credits)

- COMP 510 Topics in Programming Languages
- COMP 525 Design and Construction of Compilers
- COMP 530 Software Engineering
- COMP 540 Automata, Computability and Formal Languages
- COMP 536 Graphics
- COMP 550 Topics in Discrete Mathematics
- COMP 560 Artificial Intelligence
- COMP 562 Expert Systems
- COMP 565 Logic Programming
- COMP 570 Robotics
- COMP 575 Natural Language Processing
- COMP 580 Database Systems
- COMP 582 Distributed Database Systems
- COMP 594 Computer Networks
- COMP 596 Topics in Computer Science \*
- COMP 599 Computer Science Seminar

Note(s): \* Topics in Computer Science (COMP 596) has recently addressed issues such as human-computer interaction, bioinformatics, computer security, computer vision and computer learning systems.

#### Capstone Requirement (3 credits)

At the conclusion of the program, candidates complete a three-credit capstone project, COMP 502 Research, that allows them to pursue an area of interest in depth.

Total minimum credits: 30

### **Criminal Justice, Administration of Justice Concentration, MS**

The Administration of Justice concentration focuses on the structure of criminal justice agencies and their jurisdictional authority on the local, state and federal levels. It also examines issues relevant to administrators of criminal justice agencies, including organization and planning, leadership, conflict management, and problem solving.

#### Admission Requirements

- A minimum undergraduate GPA of 3.0 based upon four years of course work
- A composite score of 1000 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

For more information, contact the program coordinator.

#### Core Courses

- CRJU 500 Foundations of Scholarship

- CRJU 504 Seminar: Crime, Justice and Society
- CRJU 505 Applications of Crime Theory
- CRJU 510 Research Methods in Criminal Justice
- CRJU 511 Analyzing Criminal Justice Data
- CRJU 512 Ethics and Policy in Criminal Justice

#### Concentration Courses

- CRJU 515 Criminal Justice Administration
- POLI 501 Introduction to Public Institutions and Administration
- POLI 505 Public Management

#### Exit Requirement

##### Thesis Option

- CRJU 502 Research (6 credits)

##### Non-Thesis Option

- A Comprehensive Examination (The comprehensive examination should be attempted in the last semester of the student's program.)
- CRJU 542 Research Seminar in Corrections  
or
- CRJU 597 Research Seminar in Criminal Justice (3 credits)

##### Plus one of the following courses (3 credits)

- 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 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 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
- 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
- SOCI 514 Theories of Social Deviance

Total minimum credits: 33

### Criminal Justice, Crime and Corrections Concentration, MS

The Crime and Corrections concentration focuses on theoretical frameworks concerning criminal behavior, crime patterns and other attributes, and methods used to control and prevent crime and to punish the offender.

#### Admission Requirements

- A minimum undergraduate GPA of 3.0 based upon four years of course work
- A composite score of 1000 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

For more information, contact the program coordinator.

#### Core Courses

- CRJU 500 Foundations of Scholarship
- CRJU 504 Seminar: Crime, Justice and Society
- CRJU 505 Applications of Crime Theory
- CRJU 510 Research Methods in Criminal Justice
- CRJU 511 Analyzing Criminal Justice Data
- CRJU 512 Ethics and Policy in Criminal Justice

#### Concentration Courses

- CRJU 540 Corrections, Crime and Society
- CRJU 541 Community-Based Corrections
- CRJU 542 Research Seminar in Corrections

#### Exit Requirement

##### Thesis Option

- CRJU 502 Research (6 credits)

##### Non-Thesis Option

- A Comprehensive Examination (The comprehensive examination should be attempted in the last semester of the student's program.)
- CRJU 542 Research Seminar in Corrections  
or
- CRJU 597 Research Seminar in Criminal Justice (3 credits)

#### Plus one of the following courses (3 credits)

- 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
- SOCI 514 Theories of Social 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 527 Policing in a Democratic Society
- CRJU 530 Introduction to Police Culture: An Intensive Review
- 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

Total minimum credits: 33

## Criminal Justice, MS

The Master of Science in Criminal Justice provides students with the knowledge and skills necessary to successfully compete in a variety of professional positions in criminal justice or in closely related fields and prepares students for doctoral programs as well.

#### Admission Requirements

- A minimum undergraduate GPA of 3.0 based upon four years of course work
- A composite score of 1000 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

For more information, contact the program coordinator.

#### Core Courses

- CRJU 500 Foundations of Scholarship
- CRJU 504 Seminar: Crime, Justice and Society



- CRJU 505 Applications of Crime Theory
- CRJU 510 Research Methods in Criminal Justice
- CRJU 511 Analyzing Criminal Justice Data
- CRJU 512 Ethics and Policy in Criminal Justice

#### Additional Course Requirements

Complete 15 credits from the courses listed below

Note(s): Within the 15 required credits of additional courses, CRJU 502 Research (six-credit thesis option); or CRJU 542 Research Seminar in Corrections or CRJU 597 Research Seminar in Criminal Justice(non-thesis option) must be taken to meet part of the exit requirement outlined below.

- 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 (also counts toward the selected exit requirement below)
- CRJU 503 Directed Study
- 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 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 (also counts toward the selected exit requirement below)
- 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) (also counts toward the selected exit requirement below)
- CRJU 598 Internship in Criminal Justice
- CRJU 599 Special Topics in Criminal Justice
- SOCI 514 Theories of Social Deviance

#### Exit Requirement

##### Thesis Option

- CRJU 502 Research (6 credits)

##### Non-Thesis Option

A comprehensive Examination (The comprehensive examination should be attempted in the last semester of the student's program.)

- CRJU 542 Research Seminar in Corrections  
or
- CRJU 597 Research Seminar in Criminal Justice

##### 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: 33

### Management, Accounting Concentration, MS

Successful managers in the 21<sup>st</sup> 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) degree 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

- 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
- An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work
- Working knowledge of computers

For students who hold a bachelor's degree

The MS degree 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 [afdept@bridgew.edu](mailto:afdept@bridgew.edu) for information.

## ■ FIVE-YEAR BACHELOR OF SCIENCE/MASTER OF SCIENCE DEGREE IN MANAGEMENT

Undergraduate students who have completed at least 30 credit hours of course work at Bridgewater State University, 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 DEGREE IN MANAGEMENT WITH A CONCENTRATION IN ACCOUNTING

Candidates for the Master of Science degree in management with an accounting concentration must successfully complete the following course requirements:

### Management Core Courses (MS)

- MGMT 501 Systems Research and Problem Solving
- MGMT 526 Project Management
- MGMT 576 Organizational Change and Leadership
- MGMT 581 Information Resources Management
- MGMT 582 Business System Design and Integration

Total minimum core credits: 15

### Concentration Area Requirements

- ACFI 545 Auditing
- ACFI 560 Advanced Accounting

Select one course from the following (3 credits)

- ACFI 567 Advanced Taxation
- ACFI 593 Financial Statement Analysis and Disclosure

Elective

Any approved MS course (3 credits)

### Capstone Course

- ACFI 595 Accounting Seminar (Capstone)

### Internship in Accounting and Finance

Students interested in earning internship credit should contact the Department of Accounting and Finance.

Total minimum credits: 30

## Management, Marketing Concentration, MS

### 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 years

- An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work
- Working knowledge of computers

For students who hold a bachelor's degree

The MS degree 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 Accounting and Finance for Managers, and courses in marketing and law for MGMT 506 Marketing and Contract Management. Students concentrating in accounting will need additional prerequisites. Accounting students may call 508.531.1395 or e-mail [afdept@bridgew.edu](mailto:afdept@bridgew.edu) for information.

### Management Core Courses (MS)

- MGMT 501 Systems Research and Problem Solving
- MGMT 526 Project Management
- MGMT 576 Organizational Change and Leadership
- MGMT 581 Information Resources Management
- MGMT 582 Business System Design and Integration

Total minimum core credits: 15

Select three courses from the following (9 credits)

- MGMT 510 International Marketing
- MGMT 540 Industrial Marketing
- MGMT 554 Issues in Global E-Commerce
- MGMT 594 Marketing Management and Strategy

Elective (3 credits)

Any approved (ACFI or MGMT) MS course

Capstone Course

- MGMT 590 Management Systems Seminar

Total minimum credits (marketing): 30

### Management, Organization Development Concentration, MS

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 years
- An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work
- Working knowledge of computers

For students who hold a bachelor's degree

The MS degree 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 Accounting and Finance for Managers, and courses in marketing and law for MGMT 506 Marketing and Contract Management. Students concentrating in accounting will need additional prerequisites. Accounting students may call 508.531.1395 or e-mail [afdept@bridgew.edu](mailto:afdept@bridgew.edu) for information.

### Management Core Courses (MS)

- MGMT 501 Systems Research and Problem Solving
- MGMT 526 Project Management
- MGMT 576 Organizational Change and Leadership
- MGMT 581 Information Resources Management
- MGMT 582 Business System Design and Integration

Total minimum core credits: 15

Requirements

- MGMT 572 Interpersonal and Group Behavior

- MGMT 578 Organizational Development
- Select one course from the following (3 credits)
- MGMT 571 Organizational Culture and Work Force Diversity
  - MGMT 577 Power and Influence in Organizations
- Elective (3 credits)
- Any approved (ACFI or MGMT) MS course (3 credits)
- Capstone Course
- MGMT 590 Management Systems Seminar
- Total minimum credits (organization development): 30

## Management, Technology Management Concentration, MS

### 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 years
- An appropriate score on the GMAT. For more information, contact the School of Graduate Studies
- Three appropriate letters of recommendation
- Official transcripts of all undergraduate and graduate course work
- Working knowledge of computers

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 Accounting and Finance for Managers, and courses in marketing and law for MGMT 506 Marketing and Contract Management. Students concentrating in accounting will need additional prerequisites. Accounting students may call 508.531.1395 or e-mail [afdept@bridgew.edu](mailto:afdept@bridgew.edu) for information.

### Management Core Courses (MS)

- MGMT 501 Systems Research and Problem Solving
- MGMT 526 Project Management
- MGMT 576 Organizational Change and Leadership
- MGMT 581 Information Resources Management
- MGMT 582 Business System Design and Integration

Total minimum core credits: 15

Select three courses from the following (9 credits)

- MGMT 527 Product Development Processes
- MGMT 528 Quality and Risk Management
- MGMT 561 Environmental Management
- MGMT 562 Strategic Management of Technological Innovation (Capstone)

Elective (3 credits)

Any approved (ACFI or MGMT) graduate course

Capstone Course

- MGMT 590 Management Systems Seminar

Total minimum credits (technology management): 30

## Physical Education, Adapted Physical Education Concentration, MS

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.

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.

#### Culminating Experience

All students must take the comprehensive examination, or complete an oral defense of a thesis (PHED 502 Research) or an oral defense of a project (PHED 501 Physical Education Project) under the guidance of an adviser.

#### Required Courses

- PHED 451 Prosthetics and Orthotics
- PHED 484 Physical Education for Children and Youth with Disabilities
- PHED 494 Study of Motor Programs for Individuals with Chronic and Acute Health Impairments
- PHED 508 Motor Learning
- PHED 511 Research Methods in Physical Education
- PHED 595 Internship in Physical Education

Courses in psychology and/or special education appropriate to individual program (9 credits)

Electives appropriate to program (3-6 credits)

Total minimum credits: 30

### Physical Education, Applied Kinesiology Concentration, MS

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.

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.

#### Culminating Experience

All students must take the comprehensive examination, or complete an oral defense of a thesis (PHED 502 Research) or an oral defense of a project (PHED 501 Physical Education Project) under the guidance of an adviser.

#### Required Courses

- PHED 511 Research Methods in Physical Education
- PHED 517 Experimental Processes in Physical Education

Choice of four of the following five courses (12 credits)

- PHED 506 Philosophy and Principles of Physical Education
- PHED 508 Motor Learning
- PHED 545 Physical Conditioning and Training in Sports and Exercise
- PHED 546 Applied Biomechanics and Movement Analysis
- PHED 571 Social Issues in Sport

#### Electives

- Four courses as electives (12 credits)  
or
- Two-three courses (6-9 credits) and a project or thesis (3-6 credits)

Total minimum credits: 30

### Physical Education, Human Performance and Health Fitness Concentration, MS

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.

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 27 graduate credits.

#### Culminating Experience

All students must take the comprehensive examination, or complete an oral defense of a thesis (PHED 502 Research) or an oral defense of a project (PHED 501 Physical Education Project) under the guidance of an adviser.

#### Required Courses

- PHED 511 Research Methods in Physical Education
- PHED 515 Advances in Exercise Circulation
- PHED 517 Experimental Processes in Physical Education
- PHED 518 Advances in Exercise Metabolism
- PHED 519 Advances in Exercise Prescription
- PHED 544 Applied Laboratory Techniques in Exercise Science
- PHED 595 Internship in Physical Education

#### 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 credits)
- 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 Analysis, Evaluation, and Rehabilitation
- PHED 404 Exercise Prescription
- PHED 405 Exercise Circulation: Mechanisms and Morphology
- PHED 502 Research
- 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 Sports and Exercise

Note(s): \* Recommended based on student's program. Both may be taken.

Total minimum credits: 27

### Physical Education, Individualized Concentration, MS

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.

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.

#### Culminating Experience

All students must take the comprehensive examination, or complete an oral defense of a thesis (PHED 502 Research) or an oral defense of a project (PHED 501 Physical Education Project) under the guidance of an adviser.

#### Requirements

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

### Physical Education, Strength and Conditioning Concentration, MS

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.

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.

#### Culminating Experience

All students must take the comprehensive examination, or complete an oral defense of a thesis (PHED 502 Research) or an oral defense of a project (PHED 501 Physical Education Project) under the guidance of an adviser.

#### Required Courses

- PHED 504 Nutrition for Sports, Exercise and Weight Control
- PHED 511 Research Methods in Physical Education
- PHED 517 Experimental Processes in Physical Education
- PHED 523 Strength and Conditioning Laboratory
- PHED 543 Foundations of Resistance Training
- PHED 545 Physical Conditioning and Training in Sports and Exercise
- PHED 595 Internship in Physical Education

#### Electives

Three classes or a combination of classes, directed studies or thesis (9 credits)

#### 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

Total minimum credits: 30

## ■ MASTER OF SOCIAL WORK

### Social Work, MSW

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:

- SCWK 500 Policy I: Social Welfare Policy
- SCWK 502 Dynamics of Diversity and Oppression
- SCWK 508 Policy II: Policy Advocacy, Development and Analysis
- SCWK 510 Human Behavior in the Social Environment I
- SCWK 511 Human Behavior in the Social Environment II
- SCWK 530 Social Work Practice I
- SCWK 531 Social Work Practice II: Groups and Community-Based Practice
- SCWK 540 Introductory Social Research
- SCWK 590 Field Practice and Seminar I
- SCWK 591 Field Practice and Seminar II

#### The Advanced Year

With 32 credits, the advanced year, 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. Second-year students will take the following courses:

- SCWK 512 Human Behavior in the Social Environment III: DSM-IV-TR
- SCWK 541 Research: Evaluating Practice
- SCWK 550 Social Work Practice III: Intergenerational Strengths-Based Practice with Families
- SCWK 551 Social Work Practice IV: Intergenerational Strengths-Based Practice with Individuals
- SCWK 572 Social Policy III: Mental and Physical Health Care Policy
- SCWK 592 Field Practice III
- SCWK 593 Field Practice IV

Electives: nine additional credits in elective courses to include SCWK 580 Special Topics or an equivalent course in another department

Total minimum credits: 62

#### 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

- A completed application to the MSW program, available through the School of Graduate Studies. Applications are due on Jan. 10 for Advanced Standing and Jan. 25 for fulltime and parttime matriculation (fall only).
- An updated résumé
- Official transcripts of all undergraduate and graduate course work
- A personal statement about interest in master's-level social work practice
- 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
- Standardized test scores such as the GREs and the GMAT are not required, but students are welcome to submit such scores
- 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 University 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.

## ■ POSTMASTER'S LICENSURE PROGRAMS

### Counseling, School Counseling (PreK-8, 5-12), Postmaster's Licensure

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 (e.g., 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 BSU requirements for licensure as a school counselor, which are aligned with licensure requirements established by the Massachusetts Department of Elementary and Secondary Education. The program will complement previous master's level course work, 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 percent of the required school counseling course work at BSU 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 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
- A passing score on the Communication and Literacy portion of the Massachusetts Tests for Educator Licensure® (MTEL)
- Official transcripts of all undergraduate and graduate course work

### Postmaster's Licensure in School Counseling (PreK-8) Program

#### Grade Requirement

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 placed on academic probation by the department. Any student who receives a second "F" 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.

#### Note(s):

- Students must complete CNSC 524 Applied School Counseling before entering the field experience (a minimum grade of "B" is required).
- Students must complete CNSC 615 Legal and Ethical Issues for the School Counselor, which can be taken concurrently with either the pre-practicum or practicum experience.
- 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.

#### General Counseling Core Courses

- CNGC 528 Counseling and Development
- CNGC 529 Multicultural Counseling
- CNGC 500 Research and Evaluation
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNGC 539 Introduction to Career Counseling

#### School Counseling Core Courses

- CNSC 516 Foundations in School Counseling
- CNSC 523 The School Counselor: Psychological Development and Clinical Issues
- CNSC 524 Applied School Counseling
- CNSC 526 Consultation and Collaboration for School Counselors
- CNSC 615 Legal and Ethical Issues for the School Counselor

### School Counseling Fieldwork

- CNSC 570 Advanced Applied Counseling – School Counselor: (PreK-8) (150 hours)
- CNSC 571 Practicum: School Counselor (PreK-8) (600 hours)\* (12 credits)

Note(s): \* Students will meet with their adviser to plan their fieldwork experience. Students need to complete 600 hours of fieldwork 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 fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine credits. Students must attend a clinical seminar each semester they are involved in field experience.

### Electives

Six credits in electives at the 500 level or above

Total minimum credits: 51

## Postmaster's Licensure in School Counseling (5-12) Program

Requirements should be taken in the following sequence.

### Grade Requirement

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 placed on academic probation by the department. Any student who receives a second "F" 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.

### General Counseling Core Courses

- CNGC 528 Counseling and Development
- CNGC 529 Multicultural Counseling
- CNGC 500 Research and Evaluation
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNGC 539 Introduction to Career Counseling

### School Counseling Core Courses

- CNSC 516 Foundations in School Counseling
- CNSC 523 The School Counselor: Psychological Development and Clinical Issues
- CNSC 524 Applied School Counseling
- CNSC 526 Consultation and Collaboration for School Counselors
- CNSC 615 Legal and Ethical Issues for the School Counselor

### School Counseling Fieldwork

- CNSC 580 Advanced Applied Counseling – School Counselor: (5-12) (150 hours)
- CNSC 581 Practicum: School Counselor (5-12) (600 hours)\* (12 credits)

Note(s):\* Students will meet with their adviser to plan their fieldwork experience. Students would need to complete 600 hours of fieldwork 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 fieldwork they will complete that semester. For example, 10 hours per week/150 total hours = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine credits. Students must attend a clinical seminar each semester they are involved in field experience.

Total minimum credit hours: 45

## Educational Leadership (Initial Licensure) Postmaster's Licensure

### Requirements

- EDLE 509 Seminar for Future Leaders
- EDLE 664 The Personnel Function of Public Schools
- EDLE 665 Fiscal Aspects of School Administration
- EDLE 669 Concepts and Cases in School Law
- EDLE 677 Systems Planning for Educational Leaders

Choose one course from one of the following groups, dependent on licensure sought (3 credits)

#### 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

#### Superintendent/Assistant Superintendent

- EDLE 691 The School Superintendency

#### Special Education Administrator

- SPED 512 Organization and Administration of Special Education

#### School Business Manager

- POLI 521 Public Finance  
or
- POLI 592 Special Topics in Public Administration

Supervisor/Director

- EDMC 531 The Standards-Based Classroom: Curriculum

A six credit practicum from below is required

- 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 Superintendentcy/Assistant Superintendentcy
- EDLE 688 Practicum in Directorship of Guidance
- EDLE 689 Practicum in Directorship of Pupil Personnel Services

#### Additional Information

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.

## ■ CERTIFICATE OF ADVANCED GRADUATE STUDY

### Counseling, Mental Health Counseling, CAGS

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

After matriculation into the CAGS program, students must complete a minimum of 30 credits of course work at BSU and fulfill the following requirements either through the student's master's degree or with courses and fieldwork experience as part of the student's CAGS program.

### Certificate of Advanced Graduate Study (CAGS ) in Mental Health Counseling Program

#### Grade Requirement

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 placed on academic probation by the department. Any student who receives a second "F" 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.

#### Required Courses

- CNGC 528 Counseling and Development
- \* CNGC 529 Multicultural Counseling
- \* CNGC 500 Research and Evaluation
- CNMH 534 The Professional Counselor: Standards, Ethics and Legal Issues
- CNGC 535 Applied Counseling: Adolescent-Adult
- CNGC 536 Applied Counseling: Pre-Adolescent
- CNGC 538 Group I: Theory and Process of Group Interaction
- CNMH 568 Psychopathology

- CNGC 532 Psychological Assessment
- CNGC 539 Introduction to Career Counseling
- CNMH 564 Theories of Psychological Development
- CNGC 563 Psychopharmacology for Nonmedical Professionals
- CNMH 540 Substance Abuse and Dependency
- CNMH 570 Advanced Applied Counseling: Mental Health Counselor
- CNMH 671 CAGS Internship: Mental Health Counselor \*

Note(s): \*To be taken within first 15 credits

\*\* Students will meet with their adviser to plan their fieldwork 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 = three credits; 20 hours per week/300 total hours = six credits; 30 hours per week/450 total hours = nine credits. Students must attend a clinical seminar each semester they are involved in field experience and must attend a minimum of two total seminars. However, if a student elects to complete 600 hours in a single semester, the student would attend two seminars.

Elective(s): As needed to meet the minimum 30 credits required in the program

Culminating Experience

Total minimum credits: 30

## Counseling, School Counseling, CAGS

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 statement that explains how this CAGS program will contribute to the candidate's professional development as a school counselor
- Official transcripts of all undergraduate and graduate course work

Note: Interested professionals must submit a completed counseling program application by Oct. 1 for spring semester admission or Feb 1 for summer/fall semester admission.

Massachusetts Department of Elementary and Secondary 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.

## Certificate of Advanced Graduate Study (CAGS ) in School Counseling Program

### Grade Requirement

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 placed on probation by the department. Any student who receives a second "F" 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.

### Required Courses

- CNSC 605 Orientation to Capstone Experience
- CNGC 610 Counselor Supervision: Principles and Practice
- CNSC 615 Legal and Ethical Issues for the School Counselor
- CNGC 620 Multicultural Counseling II
- CNGC 625 Enhancing Counseling and Prevention through Technology
- CNGC 542 Group II: The Facilitation of Group Experience
- CNGC 630 Child and Adolescent Psychopathology
- CNSC 607 Capstone Experience

Counseling electives to equal nine credits

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 (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 561 Grief Counseling
- CNGC 563 Psychopharmacology for Nonmedical 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)
- CNGC 660 Special Topics in Counseling
- CNMH 564 Theories of Psychological Development
- CNSA 551 Student Development Theory in Higher Education
- CNSC 523 The School Counselor: Psychological Development and Clinical Issues

Total minimum credits: 30

### Educational Leadership (Initial Licensure), CAGS

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:

- Take educational initiatives by encouraging innovation, planning and implementing strategic change and having the self-confidence to be a risk-taker
- Analyze and prioritize problems by acquiring and interpreting key information and by resisting premature judgments
- Build and maintain teams for continuous improvement of teaching and learning by communicating expectations and by developing and empowering others
- Expand learning opportunities for all constituencies by having and advocating a need to be a lifelong 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 licensure requirements for educational leaders through a university-sponsored internship.

In the cohort model, a group of 18-24 students begins the program together and moves 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 University 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

- Master's degree from an accredited college or university (official transcript required)
- A minimum undergraduate GPA of 3.0
- Three letters of recommendation (one from immediate supervisor)
- Completed application form
- Academic licensure through Massachusetts Department of Elementary and Secondary Education
- Qualifying score on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure®
- (MTEL)An essay on the candidate's philosophy of educational leadership

#### 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.

#### Content Courses

- EDLE 670 Certificate of Advanced Graduate Study (CAGS) Seminar (may be taken prior to admission; prerequisite to all other 600-level EDLE courses)
- EDLE 664 The Personnel Function of Public Schools
- EDLE 665 Fiscal Aspects of School Administration
- EDLE 579 Diversity Issues for School Leaders or
- EDLE 667 Communication Between and Among School Stakeholders
- EDLE 669 Concepts and Cases in School Law
- EDLE 672 Technology for Administrators
- EDLE 675 Research Issues in School Administration
- EDLE 677 Systems Planning for Educational Leaders

- EDLE 678 Curriculum Development and Program Management
- EDLE 681 CAGS Extern

Note(s): Students who do not complete EDLE 681 CAGS Extern in an academic year will be required to register for EDLE 682 CAGS Extern II (1 credit) each semester thereafter (fall and spring) until the project is complete.

Complete one additional course from below (3 credits)

Principal/Assistant Principal

- EDLE 661 Effective School Leadership for Elementary Schools
- or
- EDLE 662 Effective School Leadership for Middle Schools
- or
- EDLE 663 Effective School Leadership for High Schools

Superintendency

- EDLE 691 The School Superintendency

Curriculum/Supervisor

- EDMC 531 The Standards-Based Classroom: Curriculum

Special Education Administrator

- SPED 512 Organization and Administration of Special Education

School Business Administrator

- POLI 521 Public Finance
- or
- POLI 592 Special Topics in Public Administration

Director of Guidance and Pupil Personnel

- EDMC 531 The Standards-Based Classroom: Curriculum

Practicum

Complete a six-credit practicum based on licensure sought

- EDLE 603 Directed Study in School Administration
- 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

Exit Requirement

All candidates must successfully complete a leadership e-portfolio and pass written and oral comprehensive examinations as exit requirements from the program.

Total minimum credits: 39

## Educational Leadership (Non-Licensure), CAGS

Admission Requirements

- Master's degree from an accredited college or university (official transcript required)
- A minimum graduate GPA of 3.0
- A completed application form
- Qualifying scores on the Communication and Literacy Skills portion of the Massachusetts Tests for Educator Licensure® (MTEL) or Graduate Record Examination (GRE)
- Three letters of recommendation (one from immediate supervisor)
- An essay on candidate's philosophy of educational leadership

Program of Study

- EDLE 579 Diversity Issues for School Leaders
- or
- EDLE 667 Communication Between and Among School Stakeholders
- EDLE 670 Certificate of Advanced Graduate Study (CAGS) Seminar (may be taken prior to admission; prerequisite to all other EDLE 600-level courses)
- EDLE 664 The Personnel Function of Public Schools
- EDLE 665 Fiscal Aspects of School Administration



- EDLE 669 Concepts and Cases in School Law
- EDLE 672 Technology for Administrators
- EDLE 675 Research Issues in School Administration
- EDLE 677 Systems Planning for Educational Leaders
- EDLE 678 Curriculum Development and Program Management
- EDLE 681 CAGS Extern

#### Exit Requirement

All candidates must successfully complete a leadership e-portfolio and pass written and oral comprehensive examinations as exit requirements from the program.

Total minimum credits: 30

### Reading, CAGS

The graduate reading program offers the Certificate of Advanced Graduate Study in Reading with an option for institutional endorsement for Massachusetts licensure as a Reading Specialist (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 University 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

- Master's degree from an accredited college or university
- 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)
- A minimum graduate GPA of 3.0
- Possession of an active Massachusetts State Department of Elementary and Secondary Education (MA DESE) professional teacher license
  - a. Possession of MA DESE licensure as Reading Specialist
  - or
  - b. A qualifying score on the Massachusetts Tests for Educator Licensure® (MTEL) Communications and Literacy Skills (01)
- Three years of experience teaching in the area of licensure
- Foundational knowledge in computer technology (Microsoft Word and Office)
- Official transcripts of all undergraduate and graduate course work

Candidates must complete all of the following course requirements and program requirements:

#### Program Requirements

- READ 650 Research in Literacy Curriculum and Instruction
- READ 651 Socio-Psycholinguistics and Critical Literacy
- READ 652 Cultural Foundations of Literacy
- READ 653 Diagnosis, Assessment, and Evaluation of Student Performance and Program Effectiveness
- READ 654 Principles and Programs in Professional Development
- READ 655 Case Studies in K-12 Literacy Curriculum and Instruction
- READ 670 Seminar for Advanced Studies in Literacy
- READ 681 CAGS Literacy Practicum
- READ 682 CAGS Literacy Practicum
- INST 552 Multimedia for Educators  
With adviser's consent, another 500- or 600-level course in instructional technology may be substituted for INST 552
- Successful completion of a research project in exemplary literacy practices
- Successful completion of a multimedia exhibit in exemplary literacy practices
- Support for the work of professional literacy organizations
- Successful defense of the research project and multimedia exhibit

Total minimum credits: 30